

2021 Vermont Hospitals Report

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Disclaimer

Vermont hospital discharge data for use in this publication were supplied by the VAHHS-NSO reporting system, Vermont EXPLOR, under a contract with GMCB. These data were supplied upon the authorization of the hospitals through agreements between VAHHS-NSO and each participating hospital.

After receipt of the data files from VAHHS-NSO, the data undergo additional editing and processing by the Vermont Department of Health, under an agreement with GMCB, before inclusion in the Vermont Uniform Hospital Discharge Data Set (VUHDDS). The VUHDDS is used to construct this report and is the official state data file available to the public. The Health Department does not assume responsibility for errors in the data due to coding or processing by hospitals, VAHHS-NSO Vermont EXPLOR, or other data providers.

Vermonters Using Out-of-State Hospitals

GMCB has data sharing agreements with state agencies in New Hampshire, Massachusetts, and New York to receive hospital discharge records for Vermont residents using hospital services outside of Vermont. Unfortunately, the timeliness of the annual data exchange between Vermont and New Hampshire has been seriously impacted by major changes in New Hampshire's data collection and processing technologies. At the time of this report, New Hampshire has not released data to Vermont beyond 2015. In addition, Massachusetts has not released data to Vermont since 2013 due to changes in their data release policies.

The most recent population-based report, *Vermont Hospital Utilization Reports* (VHUR), was published in 2011 based on data from 2009. In 2009, approximately 9,000 of 52,000 Vermont resident inpatient discharges occurred at New Hampshire hospitals and another 2,000 at Massachusetts and New York hospitals.

Requesting Hospital Data Files

Public Use data files are available on the Health Department website: <https://www.healthvermont.gov/health-statistics-vital-records/health-care-systems-reporting/hospital-discharge-data> .

Information on requesting research hospital discharge data sets (that include non-public data elements not found in Public Use data files) also can be found on the Health Department website:

<http://healthvermont.gov/health-statistics-vital-records/health-care-systems-reporting/hospital-discharge-data>.

For any additional information concerning the data sets, contact the Vermont Green Mountain Care Board at (802) 828-2900 or (800) 631-7788.

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Note: Reporting is limited to Vermont hospitals until the 2021 data are available for Vermont residents served in New Hampshire, Massachusetts and New York hospitals. The timeliness of the annual data exchange between Vermont and New Hampshire has been seriously impacted by major changes in New Hampshire's data collection and processing technologies. Data from New Hampshire have not been available since 2015, and Massachusetts data have not been available since the 2013 discharge year.

User's Guide

Introduction

The 2021 Vermont Hospitals Report presents information about patient health issues and hospital services provided in 14 Vermont acute care hospitals within inpatient, outpatient and emergency department settings.

Hospital-based analyses are useful for understanding overall hospital utilization, and have applications for health system planning, cost containment, and resource development. Vermont hospitals near Vermont's borders may provide care to people in neighboring, non-Vermont towns. Hospital-based analyses include all people served by each hospital, regardless of their state of residency. This report focuses only on data from Vermont hospitals, and includes all patients who received services regardless of whether they were Vermont residents or residents of other states.

Analyses by hospital service area (HSA) can be used to compare data for residents of geographic regions of Vermont who were provided services in any Vermont, New Hampshire, New York, or Massachusetts hospital. With some caveats, such population-based HSA analyses can help compare morbidity and practice variations across different regions of Vermont. Because data for Vermont residents using hospitals in all bordering states are not available at the time of production of this report, it is not possible to calculate accurate population-based rates for Vermont residents for this report. This report is based only on data from Vermont hospitals: analyses by hospital service area are not available.

Individuals may have multiple records in any or all of the datasets if they had multiple inpatient discharges, outpatient procedures, expanded outpatient services and/or emergency department visits during the reporting year. Therefore, the number of discharge/visit records likely exceeds the number of individuals who received hospital-based services during the reporting year.

Sources of Data

All fourteen of Vermont's civilian acute care hospitals, under an agreement with the Vermont Association of Hospitals and Health Systems - Network Services Organization (VAHHS-NSO), supply discharge abstracts directly to VAHHS-NSO in electronic format for processing and consolidation. Under a contract with the Vermont Green Mountain Care Board (GMCB, formerly the Department of Financial Regulation, and prior to that, the Department of Banking, Insurance, Securities and Health Care Administration), VAHHS-NSO provides hospital discharge data to the Vermont Department of Health.

Upon receipt of Vermont hospital discharge data from VAHHS-NSO, the Health Department edits the data and checks for completeness and internal consistency. Results of these analyses are shared with VAHHS-NSO and participating Vermont hospitals as part of an ongoing quality improvement process.

The Veterans Administration hospital in White River Junction submitted data until June 30, 2006. The Brattleboro Retreat in Brattleboro and the Vermont State Hospital are strictly psychiatric hospitals and do not participate in this data collection effort.

Exclusions

As in any data set of this size, there are a small number of records with incomplete or missing elements. These records must be excluded from particular analyses. The number of missing records is indicated in each table so that all totals can be reconciled.

Throughout the report, to avoid counting hospitalizations for delivery twice, maternal records are included but newborns (MDC 15) are excluded from reports (although newborn charges are included in reports of total charges). This is a standard practice in hospital utilization analysis. However, discharge records for newborns are retained in the Vermont Uniform Hospital Discharge Data Set to support research and analyses that include this population.

Data Collection in Vermont

Inpatient discharge data have been the core of the Vermont hospital utilization reports since 1975. These data have been helpful in hospital planning and have provided a longitudinal view of hospital utilization and the health of Vermonters.

All fourteen of Vermont's civilian acute care hospitals participate in the Emergency Department reporting system. ED usage is of particular interest in a rural state that may have limited sites and hours available for provision of primary and urgent care in some areas. ED data also provide essential information for injury control studies since this is often the setting in which accidental and intentional injuries are evaluated and treated. Complete reporting of ED data to the hospital discharge reporting system began in 2003.

All fourteen of Vermont's civilian acute care hospitals submit outpatient data to the hospital discharge reporting system. Reporting of outpatient procedures that occurred in an operating room began in 1989.

In 2006, additional types of hospital-based outpatient services were collected in the hospital discharge dataset, such as diagnostic tests and therapeutic services. This report continues to explore these expanded outpatient data and includes information on revenue codes and primary cost centers.

The Green Mountain Surgical Center began reporting outpatient services as of quarter two in 2021.

Hospital Settings

Inpatient Discharges

The inpatient dataset includes all discharges that are billed as an inpatient stay, regardless of admission source. Maternal records are included, but newborns (MDC 15) are excluded from reports to avoid duplicate counts (although newborn charges are included in reports of total charges). Several tables provide comparisons of inpatient discharges that originated in the ED with those that did not.

Emergency Department (ED) Visits

ED data are defined as records that originated in the ED, as indicated by an associated revenue code of 450-459, Emergency Room. ED visits are reported in terms of admission or non-admission to the inpatient setting.

Outpatient Procedures

The outpatient procedure data include records with a primary CPT code in CCS high level groups 1 through 15 that did not originate in the ED. Outpatient procedures may have been performed in an operating room or other hospital outpatient setting.

Observation Beds

The hospital discharge data also include observation bed records, as indicated by an associated revenue code of 760 or 762, Treatment/Observation Room. These are records recognized by third-party payers for beds occupied by a person in an observation status. Most observation bed records can be found in the outpatient setting with an associated ED revenue code and/or a primary CPT code in CCS high level groups 1 through 15. There are a few inpatient discharges from Vermont hospitals with an associated observation bed revenue code, and some observation bed records can be found in the outpatient data with no associated ED revenue code or primary CPT code.

Expanded Outpatient Services

The expanded outpatient data include records that do not have an associated ED or observation bed revenue code, and do not have a primary CPT code in CCS high level groups 1 through 15. These data include additional types of hospital-based outpatient services, such as diagnostic tests and therapeutic services that are not classified elsewhere. Collection of the expanded outpatient data began with the 2006 reporting year.

Comparison Across Hospital Settings

Since reporting year 2003, data have been available across three hospital settings: inpatient discharges, outpatient procedures and services, and emergency department (ED) visits. Comparison of utilization across these three settings offers a comprehensive view of patterns in the health care delivery system. The distribution of discharges among the three settings by hospital offers an interesting snapshot of local patterns of use. In most of these tables, the discharge records are sorted by diagnostic or procedure groups for comparison across the settings (see explanation of Clinical Classifications Software Refined below).

Records are presented at the visit level, one record per visit, except for Table O-11, where expanded outpatient visits with multiple revenue groups are reported more than once.

Classification of Diagnoses and Procedures

2020 saw the transition from Clinical Classification Software (CCS) to the Clinical Classification Software Refined (CCSR). (See below). The CCSR reference files are updated annually.

In 2014 and 2015, hospitals reported diagnoses and procedures using multiple coding systems for inpatients, ED visits and outpatients. Due to changes in Vermont's requirements, as of July 1, 2014, reporting of [outpatient procedures](#) changed from the International Classification of Disease codes (9th Revision, Clinical Modification: ICD-9-CM) to the Current Procedural Terminology (CPT) and Health Care Procedure Coding System (HCPCS) coding system. In addition, as of October 1, 2015, federal mandates required that reporting of [all diagnoses and inpatient procedures](#) change from the ICD-9-CM to the ICD-10-CM/PCS coding system.

Inpatient Diagnosis Groupings

Inpatient discharges are often grouped by diagnoses using Medicare Severity Diagnosis Related Groups (MS-DRGs) and Major Diagnostic Categories (MDCs). MS-DRG groupings describe conditions and procedures related to similar body systems or etiologies and are further grouped into 25 MDCs. However, these groupings are not used for outpatient or ED records. For this report, to facilitate comparisons across hospital settings, primary diagnoses for all inpatients, outpatients, and ED visits are grouped into the same clinically meaningful categories using Clinical Classifications Software (CCS).

Outpatient ICD-9CM and CPT Primary Procedures

Prior to July 1, 2014, outpatient procedures were reported using the ICD-9-CM coding system; these codes were included as appropriate on each individual discharge record with a primary procedure code determined by the reporting hospital. As of July 1, 2014, outpatient procedures are reported using the HCPCS/CPT coding system; these codes are included on each of one-to-many revenue records per discharge, and there is no determination of primary CPT code by the reporting hospital. Therefore, a primary CPT code is calculated for each outpatient discharge using an algorithm that includes relative value units, charges, and whether the CPT code is for an ambulatory surgical procedure.

Clinical Classification Software Refined

Clinical Classifications Software Refined (CCSR) is a tool developed at the Agency for Healthcare Research and Quality (AHRQ) and available to the public at the website: https://www.hcup-us.ahrq.gov/toolssoftware/ccsr/ccs_refined.jsp The CCSR for ICD-10-CM aggregates more than 70,000 ICD-10-CM diagnosis codes into 541 clinically meaningful single level categories across 21 body systems, which generally follow the structure of the ICD-10-CM diagnosis chapters. For our reporting purposes we use the assignment of the default CCSR for the principal diagnosis. Similarly, the CCSR for ICD-10-PCS aggregates more than 80,000 ICD-10-PCS procedure codes into 326 clinically meaningful single level categories organized into 31 clinical domains, which generally follow the structure of the ICD-10-PCS Code Book. For our reporting purposes we use the CCSR category for the principal inpatient surgical procedure.

CCSR diagnosis and procedure groups are used in these tables to compare patient records within and across health care settings, and across time.

Revenue Code Primary Cost Center Groups

Primary Cost Centers (PCCR) are used to group revenue codes into broader categories of services. About 25 of the most frequent PCCR categories are reported individually in this report, of over 60 possible categories. If a visit includes multiple revenue codes that map to the same PCCR category, or to multiple PCCR categories, each distinct category is counted once for that visit.

The 2021 Vermont Hospital Report and all data presented in this report, discharge years 2017-2021, are matched up to the CCSR groupers, unless the title of the report references the CCS PROC grouper for comparisons across settings. Vermont Hospital Reports published on the VDH website prior to the 2020 report are based on the CCS groupers. Because of the differences between the CCS and CCSR groupers, 2016-2019 data reported in prior reports will have different totals.

Highlights

Highlights of Charges and In-migration to Vermont Hospitals

Total Charges and Number of Discharges

- **Total charges for Vermont resident inpatient discharges from Vermont hospitals** increased by 15.9% from 2020 to 2021. Charges for non-resident inpatient discharges also increased by 16.1%. The number of inpatient discharges for Vermont residents in 2021 increased by 8.3% from 2020, and the number of non-resident inpatient discharges increased by 10.4% from 2020.
- **Total charges for Vermont residents with ED visits to Vermont hospitals** increased by 26.1% from 2020 to 2021, a smaller increase than that for non-residents (35.5%). Total charges have fluctuated in recent years, with the smallest increases occurring from 2016 to 2017 (2.5% and 3.6% respectively), and prior largest increase from 2013 to 2014 (10.8% and 10.9% respectively). The number of ED visits for both Vermont residents and non-residents has increased from 2020 to 2021 (13.9% and 25.5% respectively).
- **Total charges for Vermont residents with outpatient procedures in CCS high-level procedure groups 1 through 15 at Vermont hospitals** increased 18.0% from 2020 to 2021 compared to the increase of 11.4% in total charges for non-residents. The number of outpatient procedures for Vermont residents and non-residents also increased from 2020 to 2021 (17.6% and 13.6% respectively).

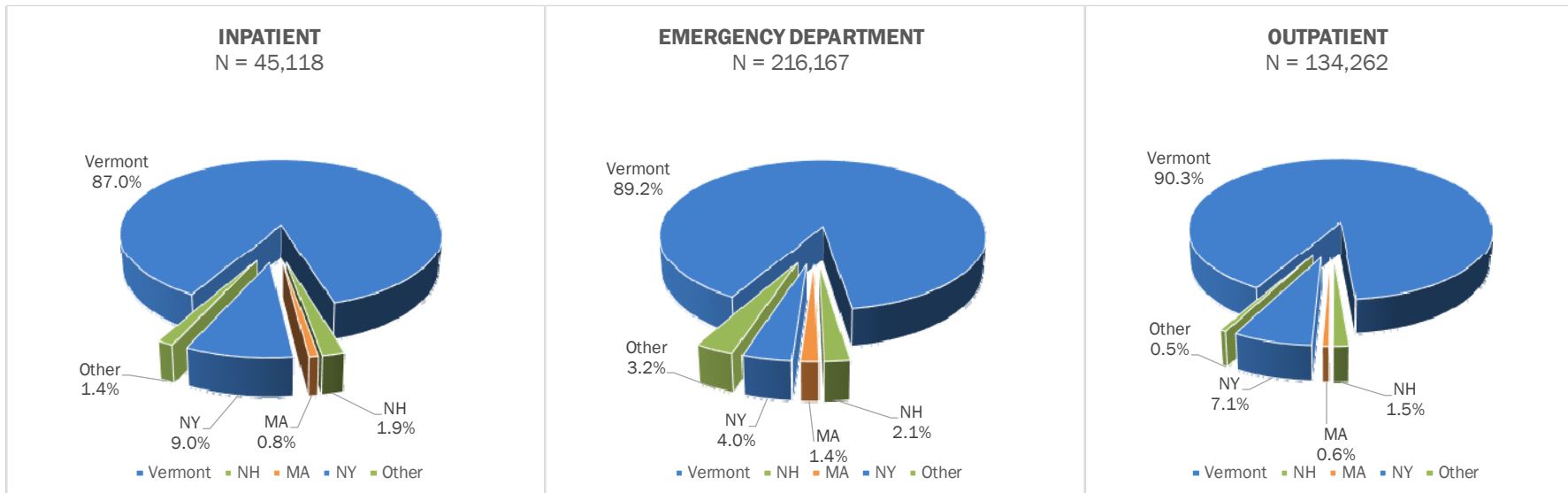
In-migration

- Most in-migration to Vermont hospitals in 2021 continued to be by New York residents for inpatient care, ED visits, and outpatient procedures in range. As in recent years, New York residents accounted for a much smaller percent of all ED visits than of either inpatient discharges or outpatient procedures (4.0% of ED visits, compared to 9.0% of inpatient discharges and 7.1% of outpatient procedures in range).
- In 2021, New York residents accounted for a higher percent of total charges than of total discharges in all three settings (4.5% of ED charges, 13.8% of inpatient charges and 7.5% of outpatient charges), as in recent years.

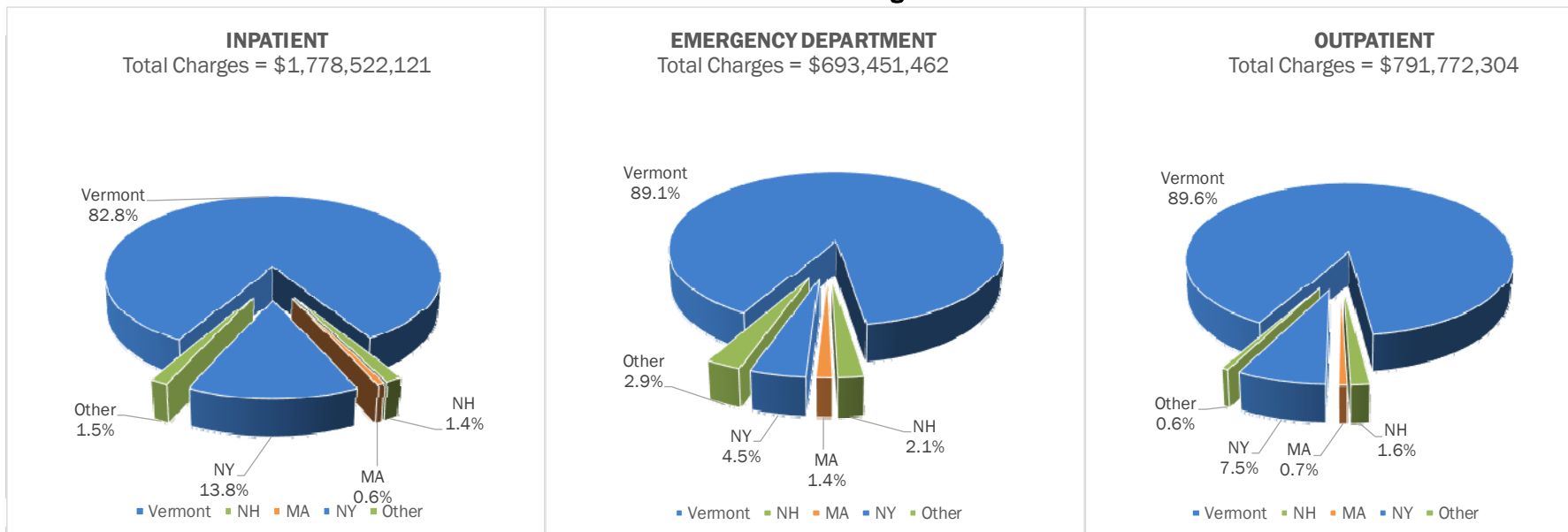
Note: Reporting is limited to Vermont hospitals until the 2021 data are available for Vermont residents served in New Hampshire, Massachusetts, and New York hospitals. The timeliness of the annual data exchange between Vermont and New Hampshire has been seriously impacted by major changes in New Hampshire's data collection and processing technologies. Data from New Hampshire have not been available since 2015, and Massachusetts data have not been available since the 2013 discharge year.

**2021 Vermont Hospitals
Summary of Patients' State of Residence by Hospital Setting**

Percent of Total Discharges

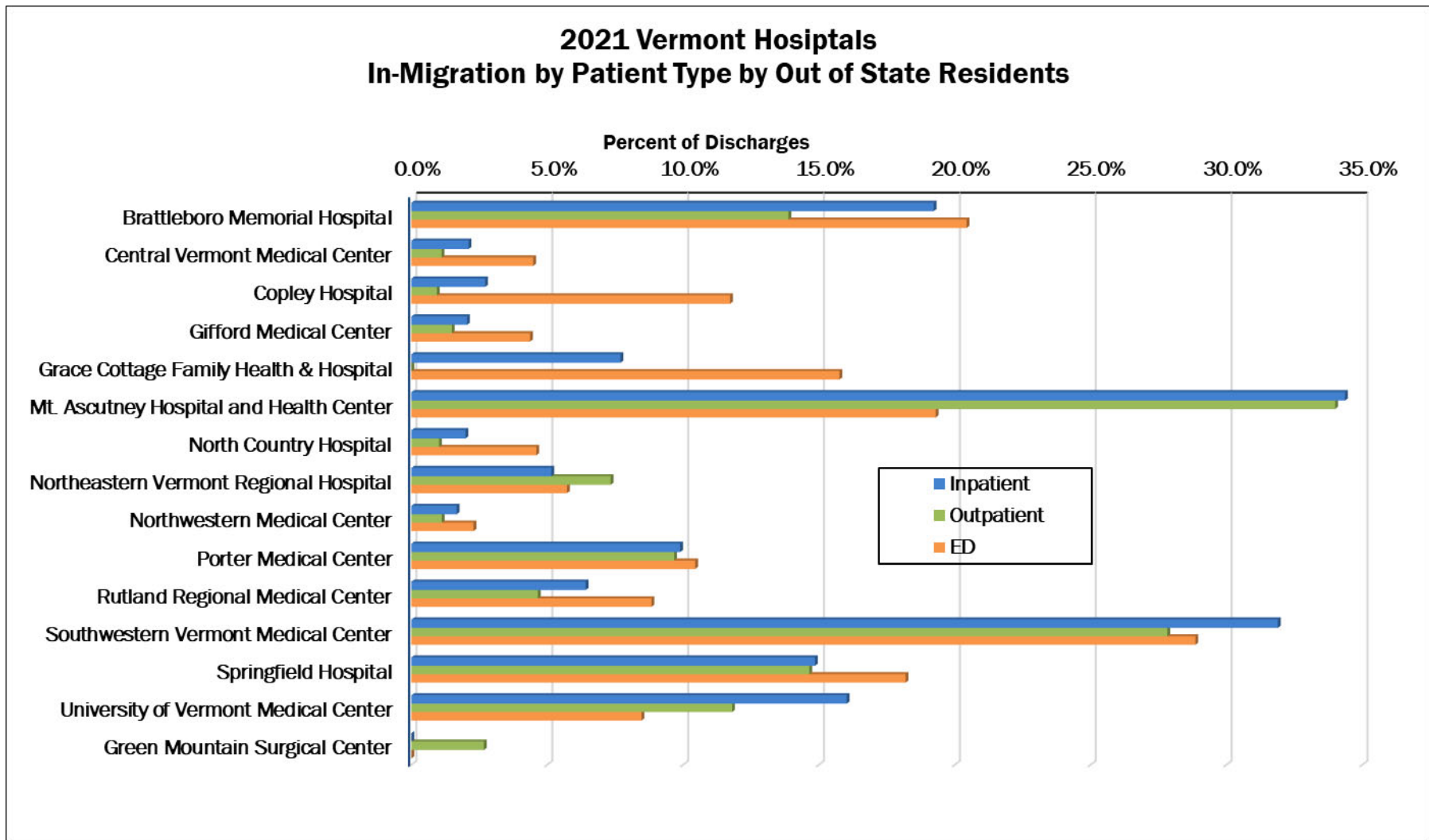


Percent of Total Charges



Numbers of discharges exclude newborns. Total charges include charges for newborns.

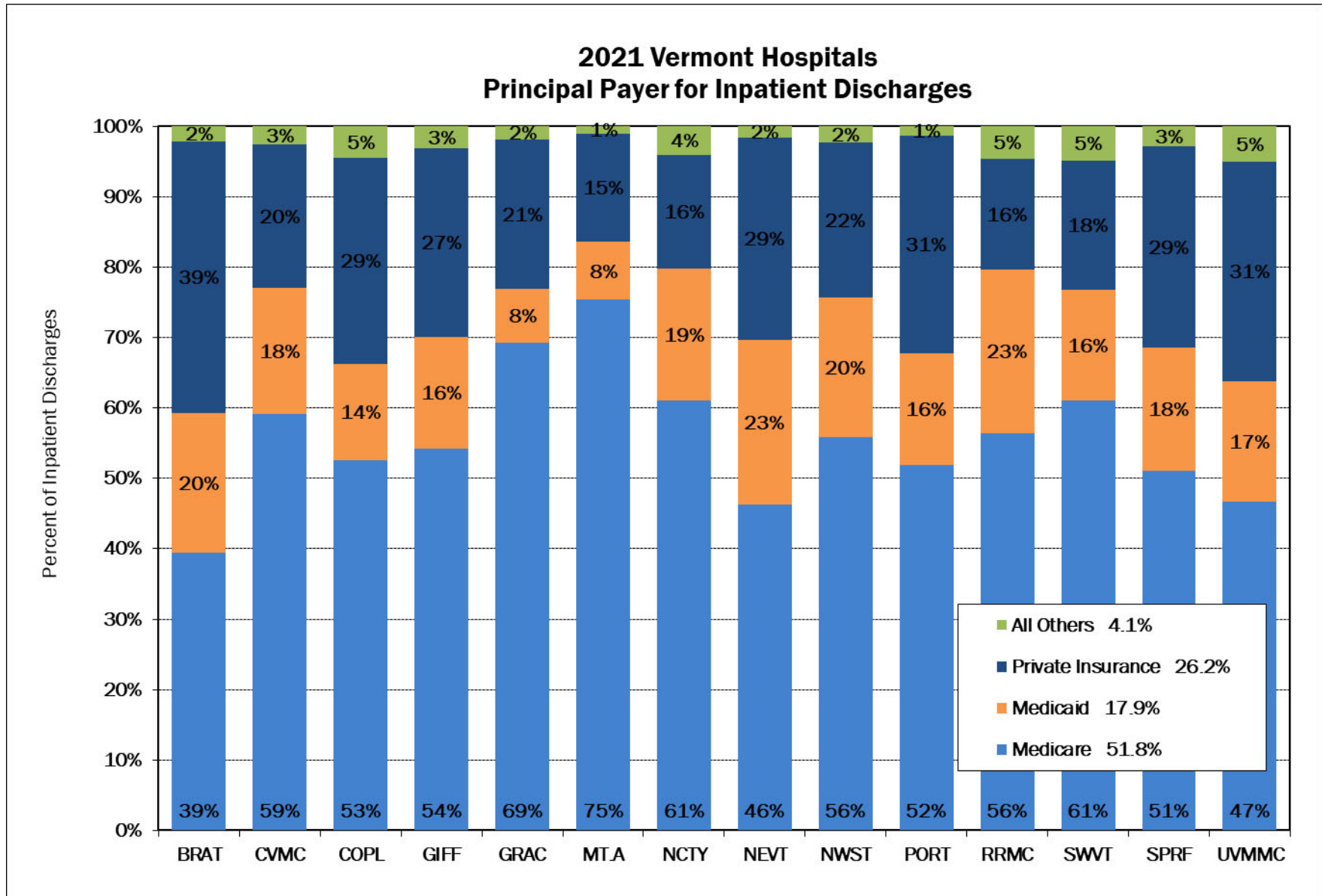
- In 2021, the number of out of state encounters and visits to Vermont hospitals varied by patient type, with Mt. Ascutney Hospital and Health Center, and Southwestern Vermont Medical Center reporting inpatient migration at 20% or greater, (34.4%, and 31.9% respectfully). ED visits from out of state resident at Southwestern Vermont Medical Center were reported at 28.9% followed by Brattleboro Memorial Hospital with 20.4% and Mt. Ascutney Hospital and Health Center with 19.3%. Outpatient discharges saw the greatest percent of out of state encounters with Mt. Ascutney Hospital and Health Center having 34.0%, followed by Southwestern Vermont Medical Center at 27.8% and Springfield Hospital with 14.6%.



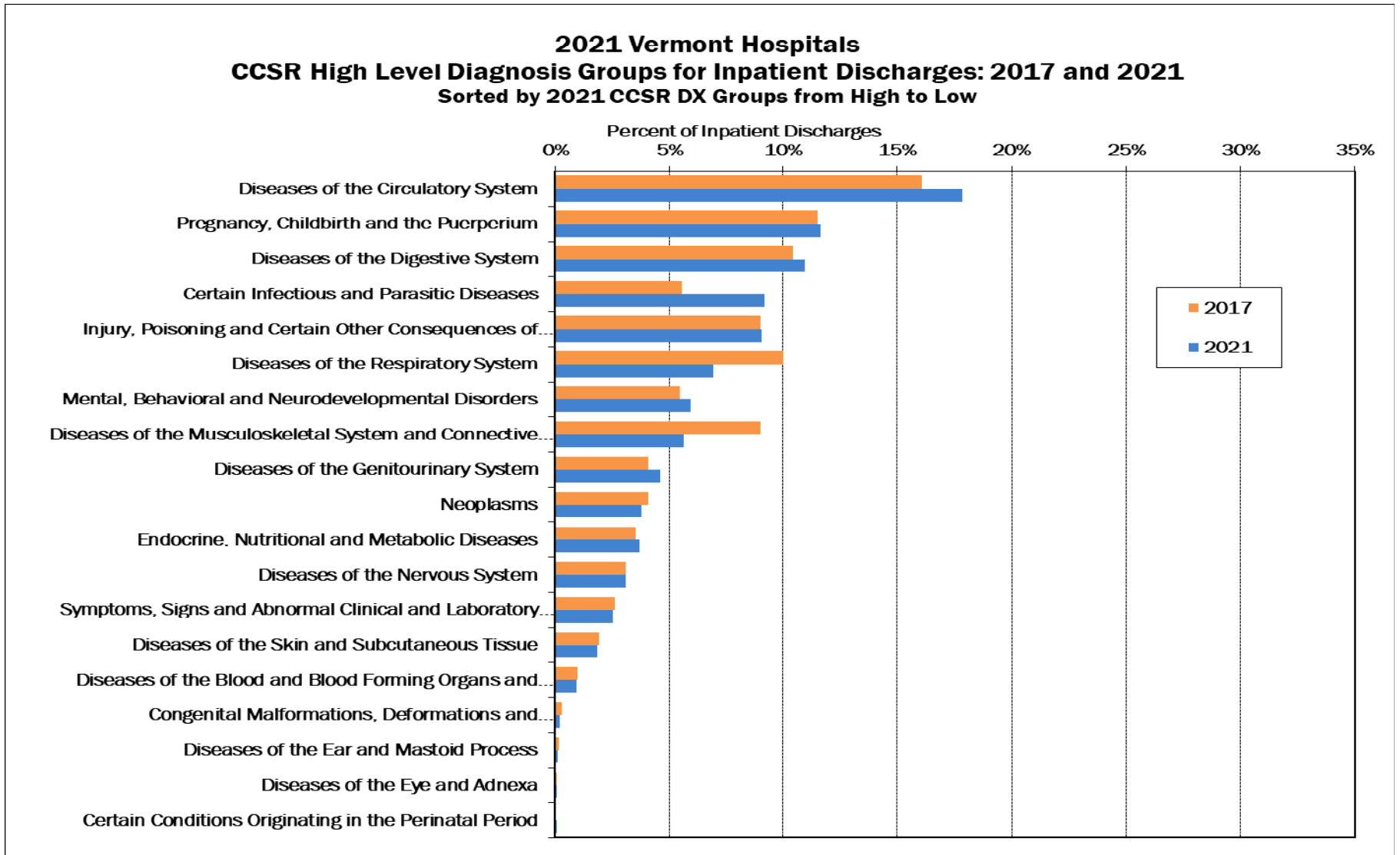
Highlights of Inpatient Discharges from Vermont Hospitals

- **In 2021, there were 45,118 inpatient discharges from Vermont hospitals**, including maternal records but excluding newborns. Of these, 87.0% were Vermont residents, and 13.0% were residents of New Hampshire, Massachusetts, New York or elsewhere.
- **The number of inpatient discharges from Vermont hospitals has decreased** 6.2% from 2017, and increased 8.6% from 2020, including both Vermont residents and non-residents. The average length of stay for these discharges increased slightly, from 4.9 days per discharge in 2017 to 5.3 in 2020, and to 5.4 in 2021.
- **Similar to findings in recent years**, more than half of the total inpatient discharges from Vermont hospitals in 2021 originated in the Emergency Department (66.7%).
- **The University of Vermont Medical Center** continued to have the highest number of inpatient discharges at 20,104 in 2021 (44.6% of all inpatient discharges, compared to 44.9% in 2020 and 41.1% in 2017). Rutland followed with 5,683 discharges (12.6%) in 2021. Grace Cottage Family Health & Hospital and Mt. Ascutney Hospital and Health Center had the lowest total numbers of inpatient discharges in 2021 (104 and 1010 respectively).
- **The University of Vermont Medical Center** continued to have the highest total number of patient days at 131,602 in 2021 (53.8% of 244,417 patient days), followed by Rutland Regional Medical Center with 30,655 (12.5%). Grace Cottage Family Health & Hospital had the lowest total number of patient days (559).
- **In 2021, average length of stay in Vermont hospitals varied** from 3.0 days per discharge at Gifford Medical Care to 6.5 days per discharge at The University of Vermont Medical Center; not including Mt. Ascutney Hospital and Health Center.
- **The exception** was Mt. Ascutney Hospital and Health Center, where the average length of stay in 2021 was 9.1. The high average length of stay started in 2014, due in large part to updates made to the computer system at VAHHS-NSO which allows inpatient rehabilitation cases to be submitted. These cases tend to have longer lengths of stay.

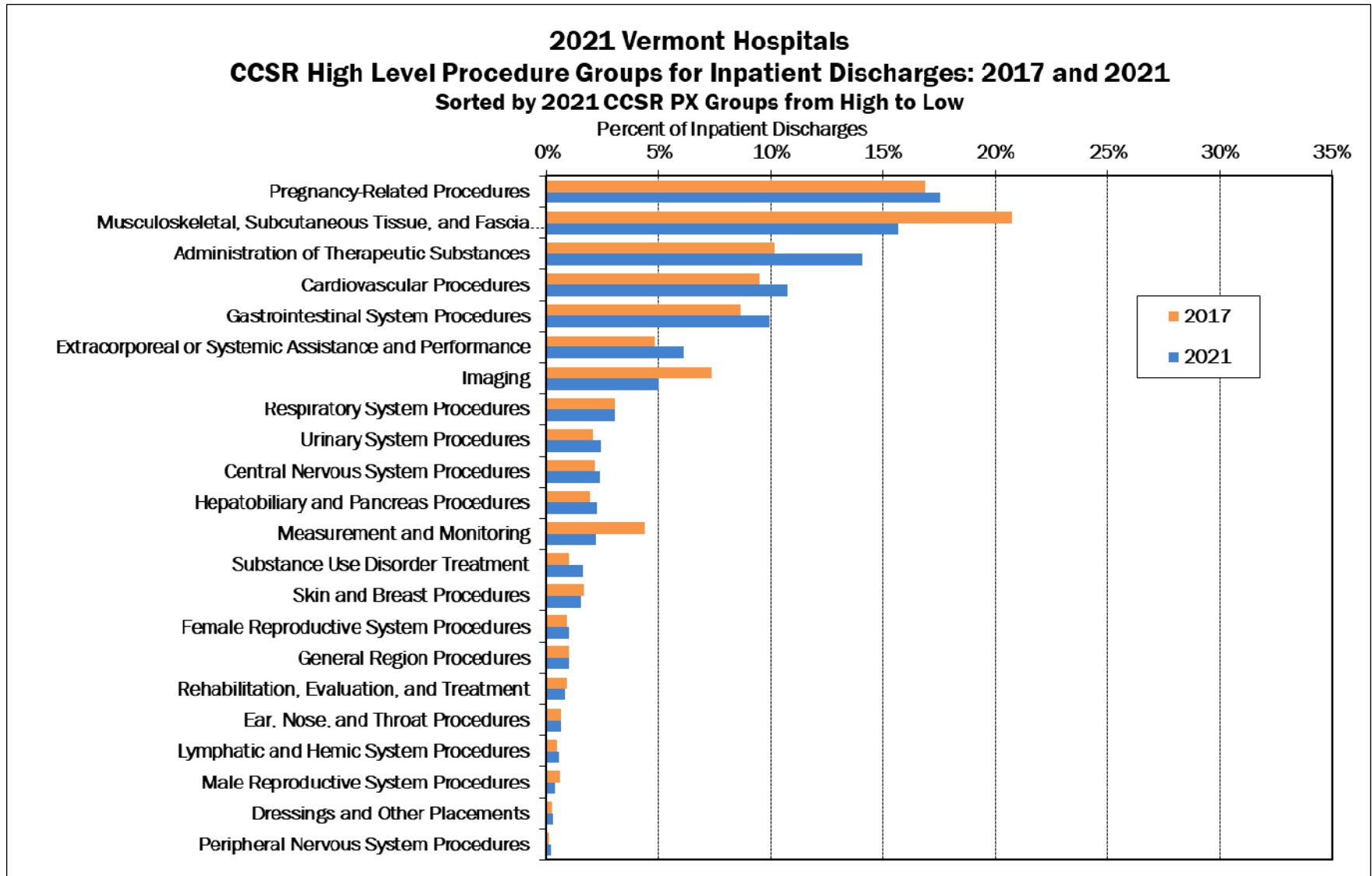
- In 2021, Medicare continued to be the leading principal payer for inpatient discharges from Vermont hospitals at 51.8% of total discharges, followed by private insurance at 26.2% and Medicaid at 17.9%. These figures are comparable to those in recent years. As in previous years, there was wide variation among hospitals in payer mix.



- **The most frequent reasons for hospitalization in 2021** were Diseases of the Circulatory System; Pregnancy, Childbirth, and the Puerperium; Diseases of the Digestive System; Certain Infectious and Parasitic Diseases; and Injury, Poisoning and Certain Other Consequences of External Causes. This is consistent with recent years. Of note are the continued decreases in percent of hospitalizations with diagnoses for Disease of the Musculoskeletal System, and Diseases of the Respiratory System, and the increases in the percent of diagnoses Certain Infectious and Parasitic Diseases, and Diseases of the Circulatory System.

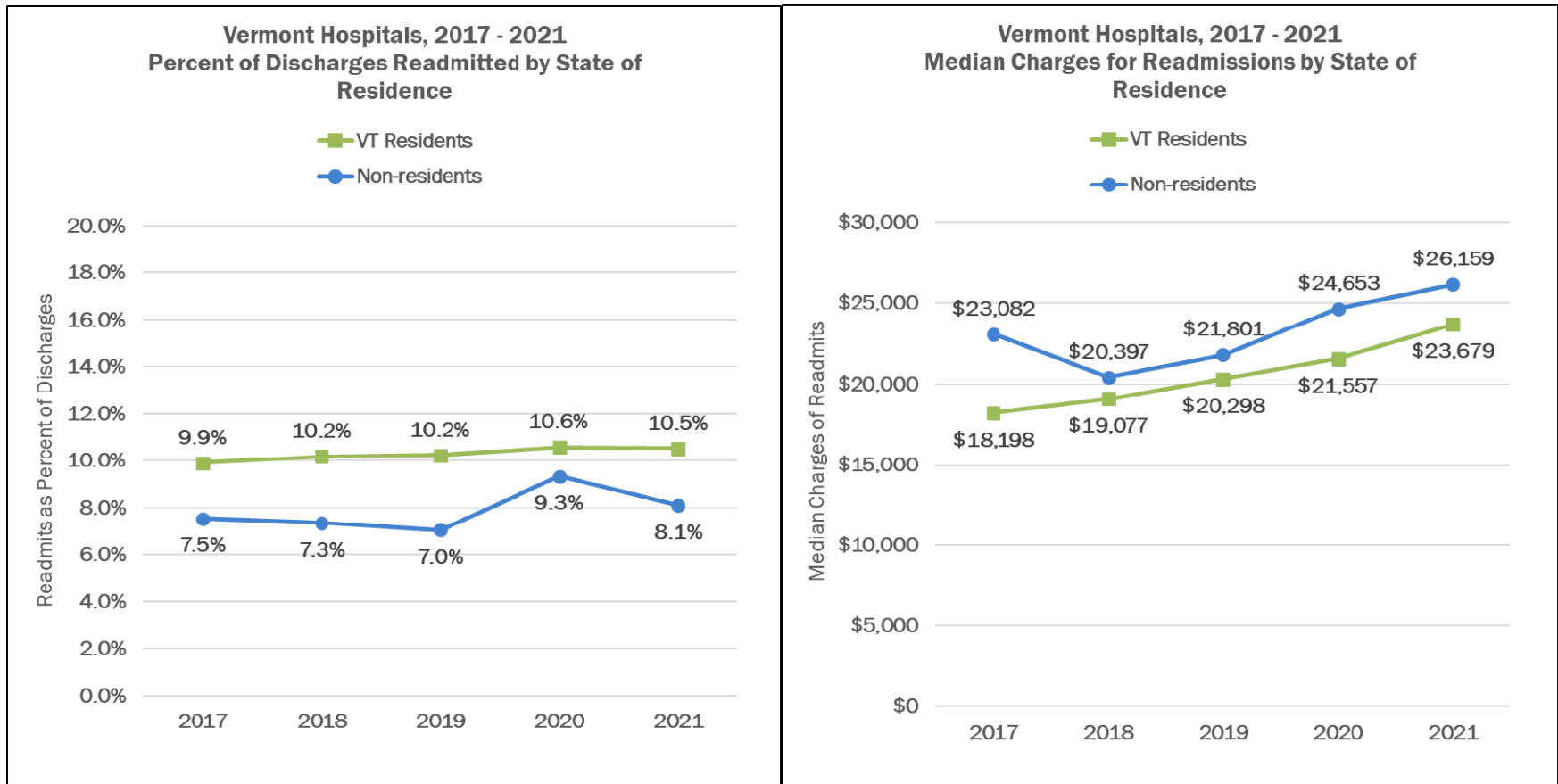


- The most frequent inpatient procedures during hospitalization in 2021 were Pregnancy-Related Procedures, as well as Musculoskeletal, Subcutaneous Tissue, and Fascia Procedures, followed by Administration of Therapeutic Substances, and Cardiovascular Procedures. During the five years span the largest increases were seen in Administration of Therapeutic Substances, followed by Extracorporeal or Systemic Assistance and Performance. The largest decreases were seen in Musculoskeletal, Subcutaneous Tissue, and Fascia Procedures, followed by Imaging.

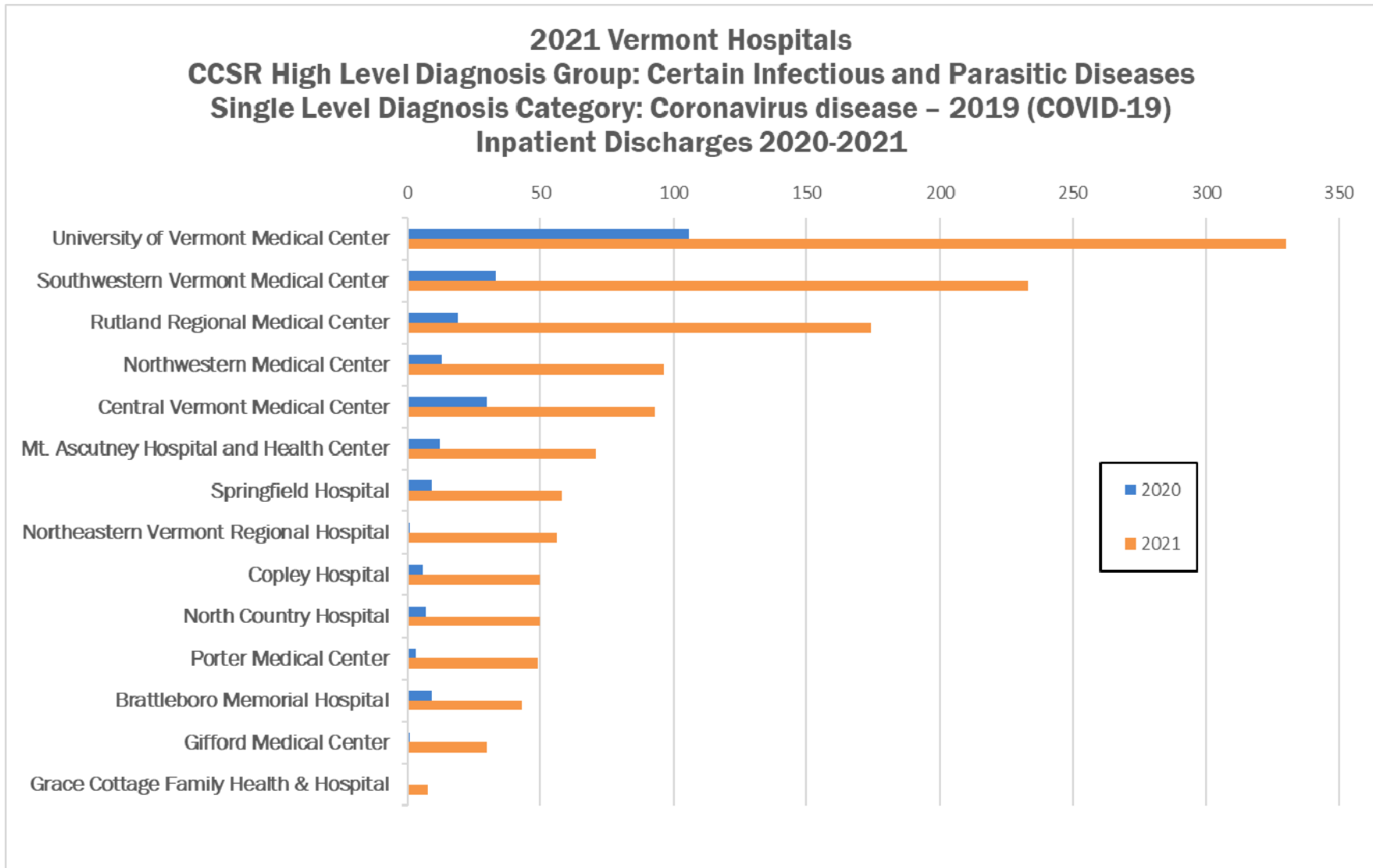


- **The percent of inpatients readmitted to the same hospital for any reason within 30 days of discharge** differs by the patient’s state of residence, with Vermont residents readmitted more frequently than out-of-state residents each year from 2017 through 2021. In contrast, out-of-state residents have higher median charges than Vermont residents when readmitted to Vermont hospitals.

Note: ‘Readmission’ is defined in this report as readmitted to the same hospital for any reason within 30 days of discharge, excluding readmission on the same day as discharge.

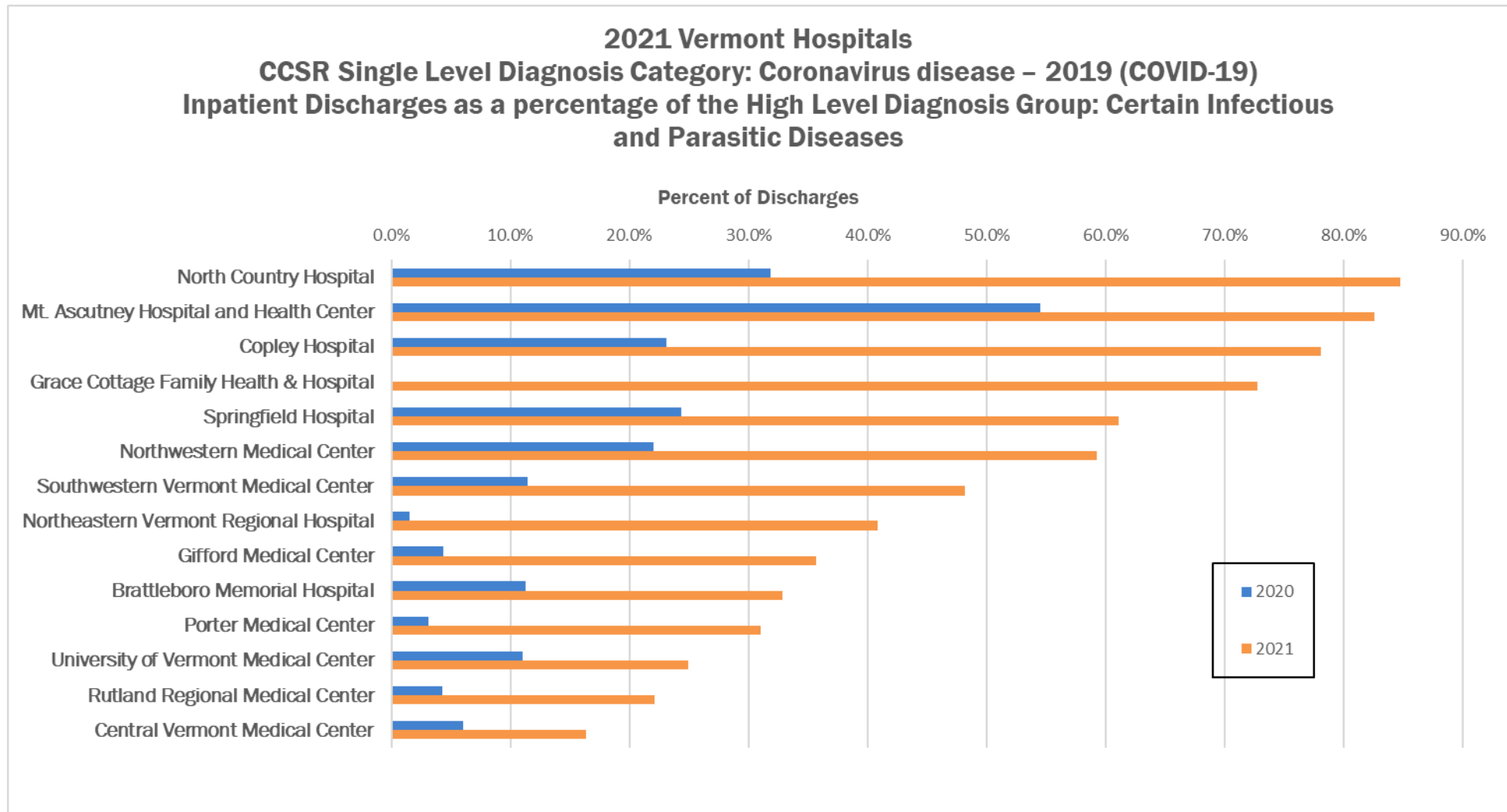


- **The increase in inpatient discharges for COVID-19 in 2021 compared to 2020 is noticeable in all of Vermont's 14 community hospitals** with the University of Vermont Medical Center seeing the largest number of discharges in 2021, followed by Southwestern Vermont Medical Center, Rutland Regional Medical Center, and Northwestern Medical Center. Grace Cottage Family Health & Hospital saw the fewest inpatient discharges for COVID-19, followed by Gifford Medical Center, and Brattleboro Memorial Hospital.



Diagnosis code U071 was effective April 1, 2020

- Looking at the percentage of COVID-19 to its high level diagnosis group Certain Infectious and Parasitic Diseases for the years 2020 and 2021, North Country Hospital's percentage increased to 84.7% in 2021, followed by Mt. Ascutney Hospital and Health Center's 82.6%, and Copley Hospital's 78.1%. Central Vermont Medical Center, Rutland Regional Medical Center, and the University of Vermont Medical Center had the lowest percentage of COVID-19 to the high level diagnosis group with 16.3%, 22.1% and 24.9% respectively.

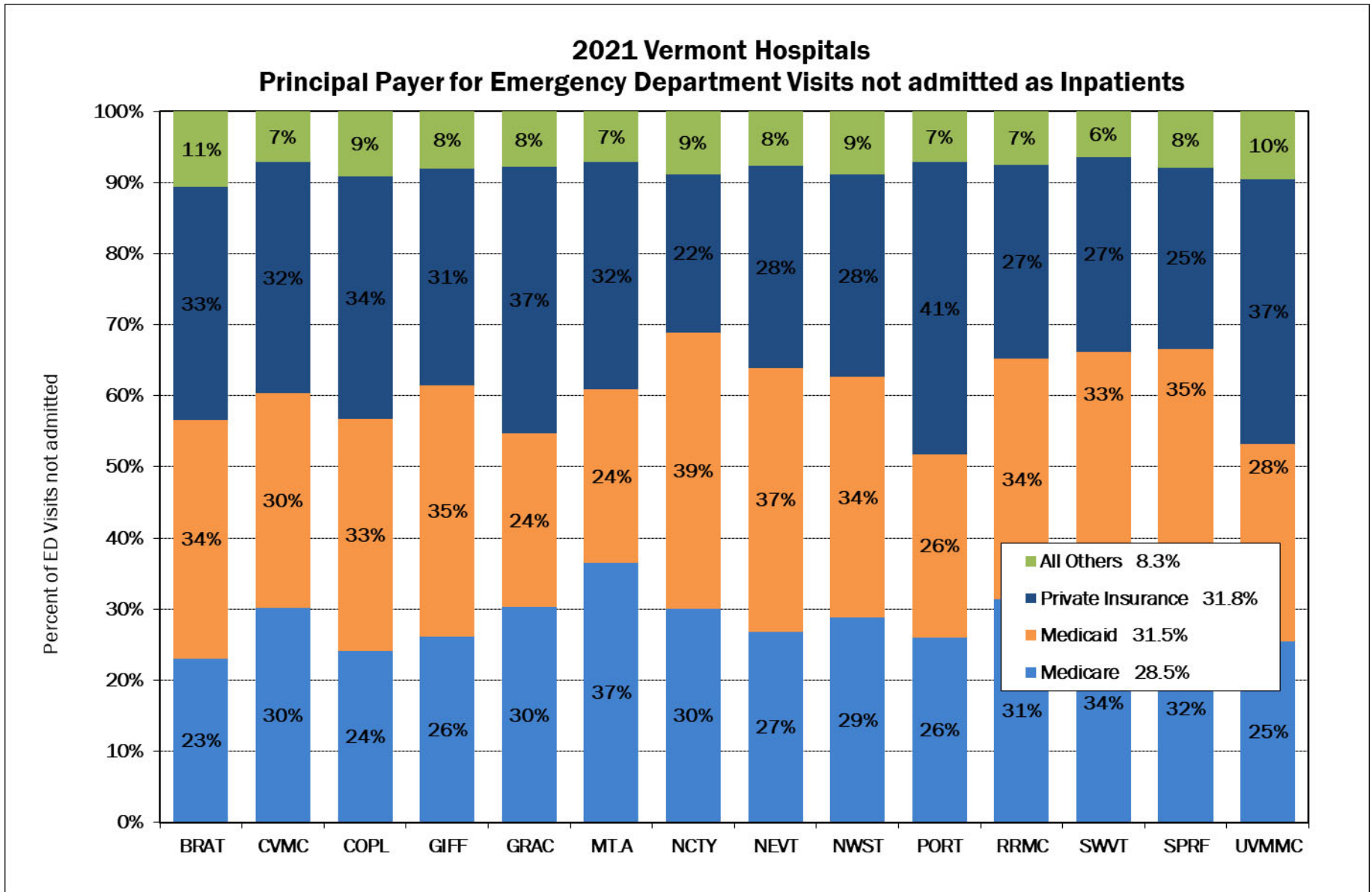


Diagnosis code U071 was effective April 1, 2020

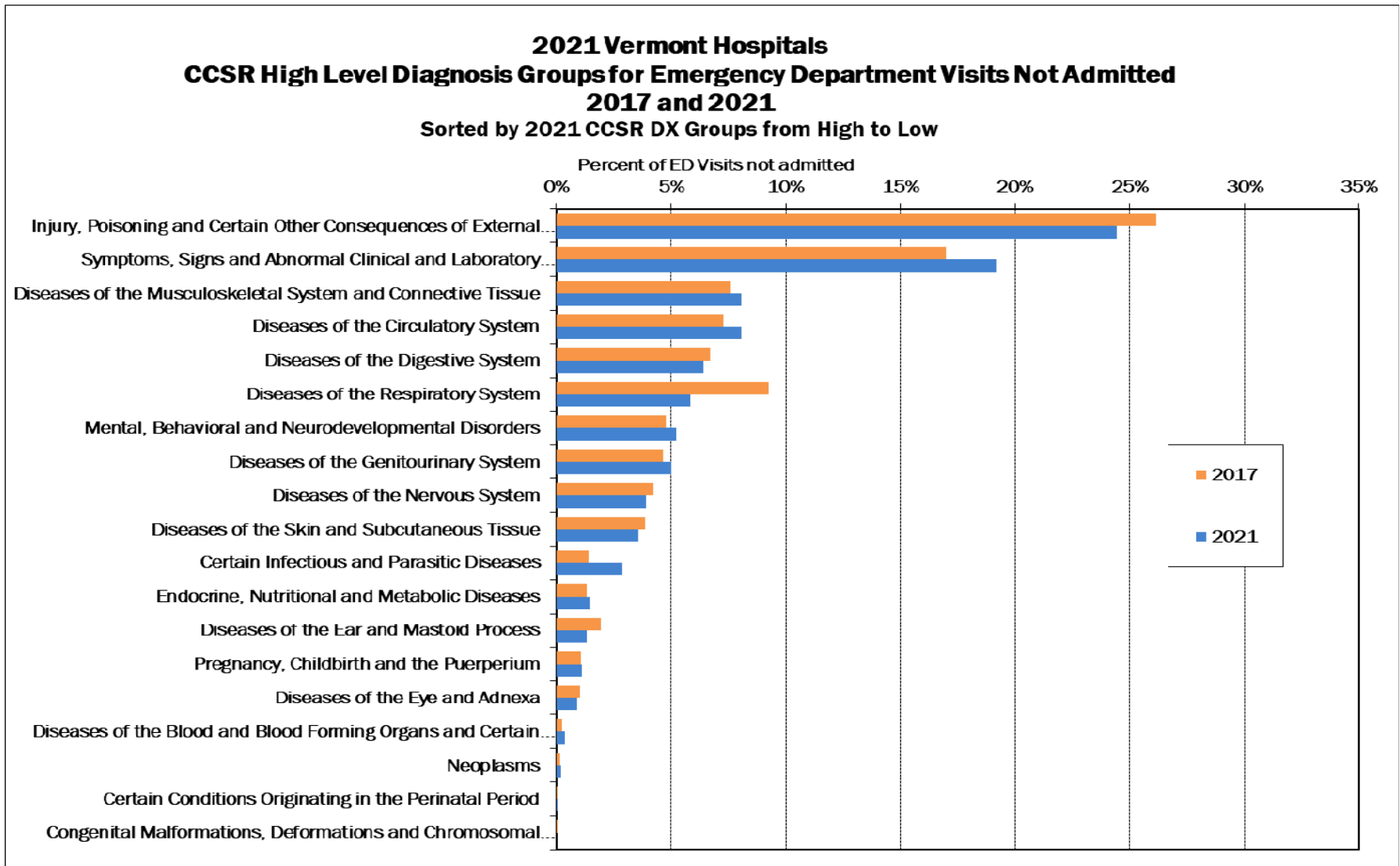
Highlights of Visits to Vermont Hospital Emergency Departments

- **In 2021, there were a total of 246,265 visits to Vermont hospital Emergency Departments**, including both Vermont residents and non-residents, a 14.8 increase from 2021. Similar to recent years, 87.8% (216,167) of these ED visits were not admitted, while the remaining 12.2% (30,098) of ED visits were admitted and categorized as inpatient discharges.
- **Overall, the number of ED visits decreased** from 2017 to 2021 by -5.7% (-6.7.5% for ED visits not admitted, and a 2.1% increase for those admitted as inpatients).
- **In 2021, as in previous years, the percent of ED visits that were admitted as inpatients increased with increasing age.** Just 2.3% of ED visits by children under age 15 were admitted, as were 5.1% of visits by individuals aged 15-44, 13.1% of those aged 45-64, 19.5% of those aged 65-69, 21.2% of those aged 70-74, 24.6% of those aged 75-79, and 29.4% of those aged 80 and older.
- **The University of Vermont Medical Center** continued to have the highest percent of visits to the ED in 2021, leading all Vermont hospitals with 23.1% of all ED visits. Of all ED visits to The University of Vermont Medical Center, 20.4% were admitted as inpatients, a 0.6% decrease from the previous year's percentage.
- **The percent of ED visits that were admitted in 2021 ranged** from highs of 20.4% at The University of Vermont Medical Center, 16.4% at Rutland Regional Medical Center, and 13.4% at Central Vermont Medical Center, to a low of 2.6% at Grace Cottage Hospital and 4.0% Porter Medical Center.
- **Of all ED visits, those with a primary diagnosis of Neoplasms were the most likely to be admitted (65.3%),** followed by those with Certain Infectious and Parasitic Diseases (37.8%), those with Congenital Malformations, Deformations and Chromosomal Abnormalities (34.2%), and those with Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism (31.2%). Least likely to be admitted were ED visits for Certain Conditions Originating in the Perinatal Period (0.0%) and for Diseases of the Ear and Mastoid Process (1.5%).

- In 2021, Private Insurance was the leading principal payer for ED visits not admitted at 31.8% of these visits, followed by Medicaid at 31.5% and Medicare at 28.5%. These figures are comparable to those in recent years. As in previous years, there was wide variation among hospitals in payer mix.



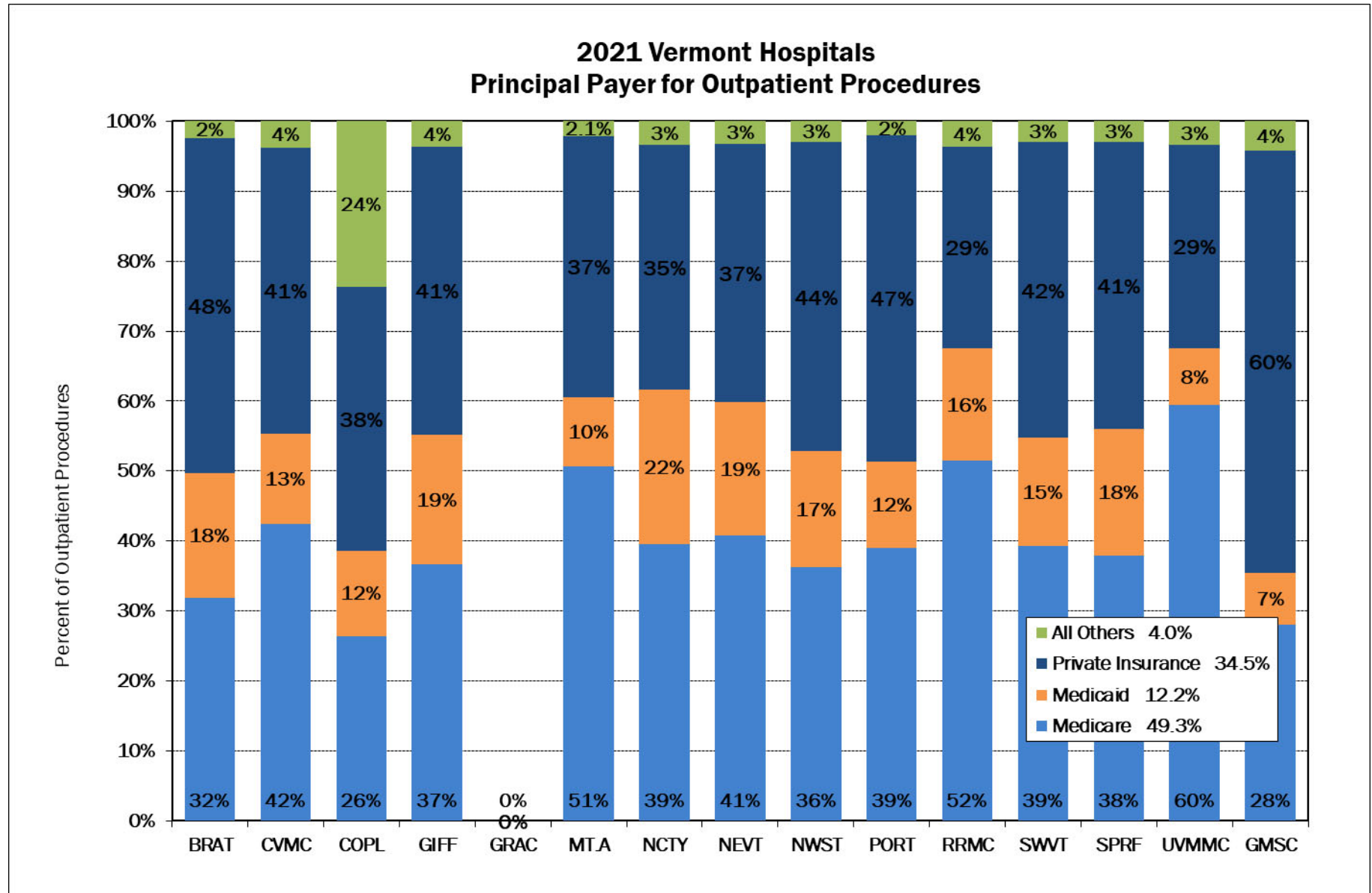
- **The most frequent reasons for ED visits not admitted in 2021** were Injury, Poisoning and Certain Other Consequences of External Causes; Symptoms, Signs and Abnormal Clinical and Laboratory Findings; Diseases of Musculoskeletal System and Connective Tissue; and Diseases of the Circulatory System. This is consistent with recent years. Of note is the substantial decrease over 5 years in the percent of ED visits not admitted for Diseases of the Respiratory System; and Injury, Poisoning and Certain Other Consequences of External Causes, and the increases over 5 years in Symptoms, Signs and Abnormal Clinical and Laboratory Findings; and Certain Infectious and Parasitic Diseases.



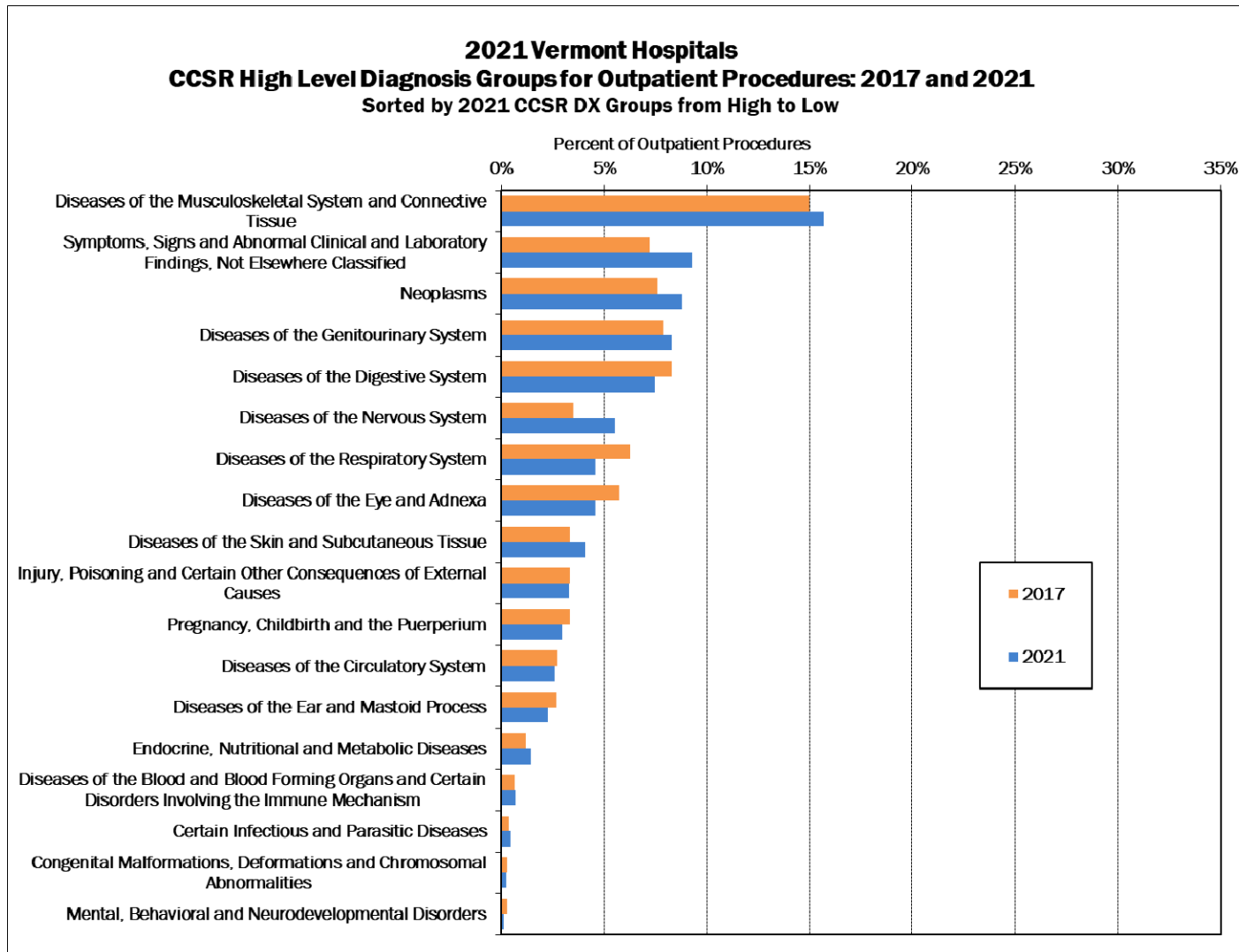
Highlights of Outpatient Procedures and Services in Vermont Hospitals

- **In 2021, there were 134,262 visits to Vermont hospitals for outpatient procedures** with a high-level procedure code in CCS procedure groups 1 through 15, representing both Vermont residents and non-residents. These outpatient visits did not originate in the Emergency Department. Grace Cottage Hospital had zero visits for outpatient procedures in this range of CCS procedure groups.
- **The number of outpatient procedures in Vermont hospitals increased** by 17.2% from 2020. This follows a decrease of 15.9 from 2019 to 2020 and a decrease of 0.7% from 2017 to 2018. There has been a 2.3% increase in outpatient procedures in Vermont hospitals over the past five years (2017-2021).
- **Overall, non-residents accounted for 9.7% of all visits to Vermont hospitals for outpatient procedures** in 2021. As in previous years, there was wide variation in the percent of non-residents at Vermont hospitals, with non-residents comprising 34.0% of Mt. Ascutney Hospital and Health Center's outpatient visits and 27.8% of Southwestern Vermont Medical Center's outpatient visits, compared to 1% or less of outpatient visits to Copley Hospital, and North Country Hospital.
- **Medicare was the primary payer** for 49.3% of all visits to Vermont hospitals for outpatient procedures in 2021. University of Vermont Medical Center reported 59.5 % of outpatient visits with Medicare as the primary payer, while Copley Hospital reported the lowest percent with 26.4%. Consistent with recent years, there was substantial variation by CCSR diagnosis group, with Diseases of the skin and subcutaneous tissue (86.3%), Certain infectious and parasitic diseases (82.9%), Diseases of the eye and adnexa (75.1%), and Diseases of the Ear and Mastoid Process (73.0%) having the highest percent of visits with Medicare as the primary payer.
- **North Country Hospital reported the highest percent of outpatient procedures with Medicaid as primary payer** (22.2%), while the University of Vermont Medical Center reported the lowest percent with Medicaid as primary payer (8.0%).
- **Brattleboro Memorial Hospital reported the highest percent of outpatient procedures with private insurance as primary payer** (48.0%), while Rutland Regional Medical Center reported the lowest percent with private insurance as primary payer (28.8%).
- **The services most frequently provided in expanded outpatient visits** in 2021 were charged under the primary cost center for Laboratory-Clinical services in all 14 Vermont hospitals, as in previous years. The frequency of these services far exceeded the next most frequent services, which were charged under the primary cost centers for Radiology-Diagnostic, Drugs Charged to Patients, Bacteriology & Microbiology, Chemistry, Mammography, Ultrasound, CT Scan, and Physical Therapy.
- **The average charge for observation beds in Vermont hospitals** was the highest average charge in recent years, and 34.1% higher in 2021 than in 2017. The number of these beds continues to fluctuate over time as the average charge has increased. The University of Vermont Medical Center had 32.3% of all observation beds in 2021, followed by Northwestern Medical Center (9.0%).

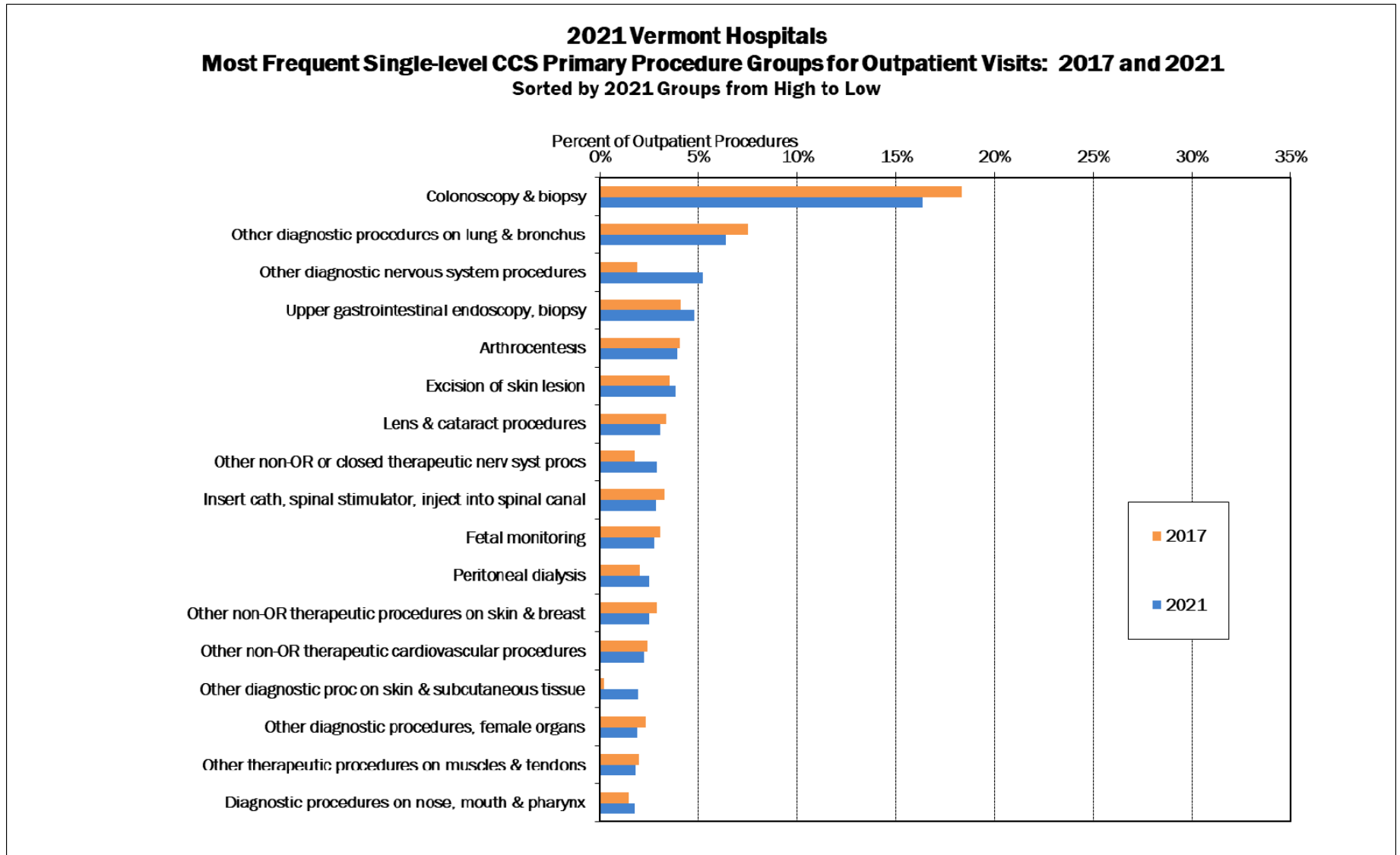
- In 2021, Medicare was the leading principal payer for 49.3% of outpatient procedures in range, followed by Private Insurance at 34.5% and Medicaid at 12.2%. These figures are comparable to those in recent years. As in previous years, there was wide variation among hospitals in payer mix. (Grace Cottage Family Health & Hospital had zero outpatient procedure.)



- **The most frequent reasons for outpatient procedures in range** in 2021 were Diseases of the Musculoskeletal System and Connective Tissue; Symptoms, Signs and Abnormal Clinical and Laboratory Findings; Neoplasms; Diseases of the Genitourinary System; and Diseases of the Digestive System. The most frequent reasons in 2021 are consistent with those in recent years, although their rank order may differ a little. Of note are increases in the percent of outpatients diagnosed with Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified; and Diseases of the Nervous System, and decreases in the percent of outpatients diagnosed with Diseases of the Respiratory System, compared to 2017.

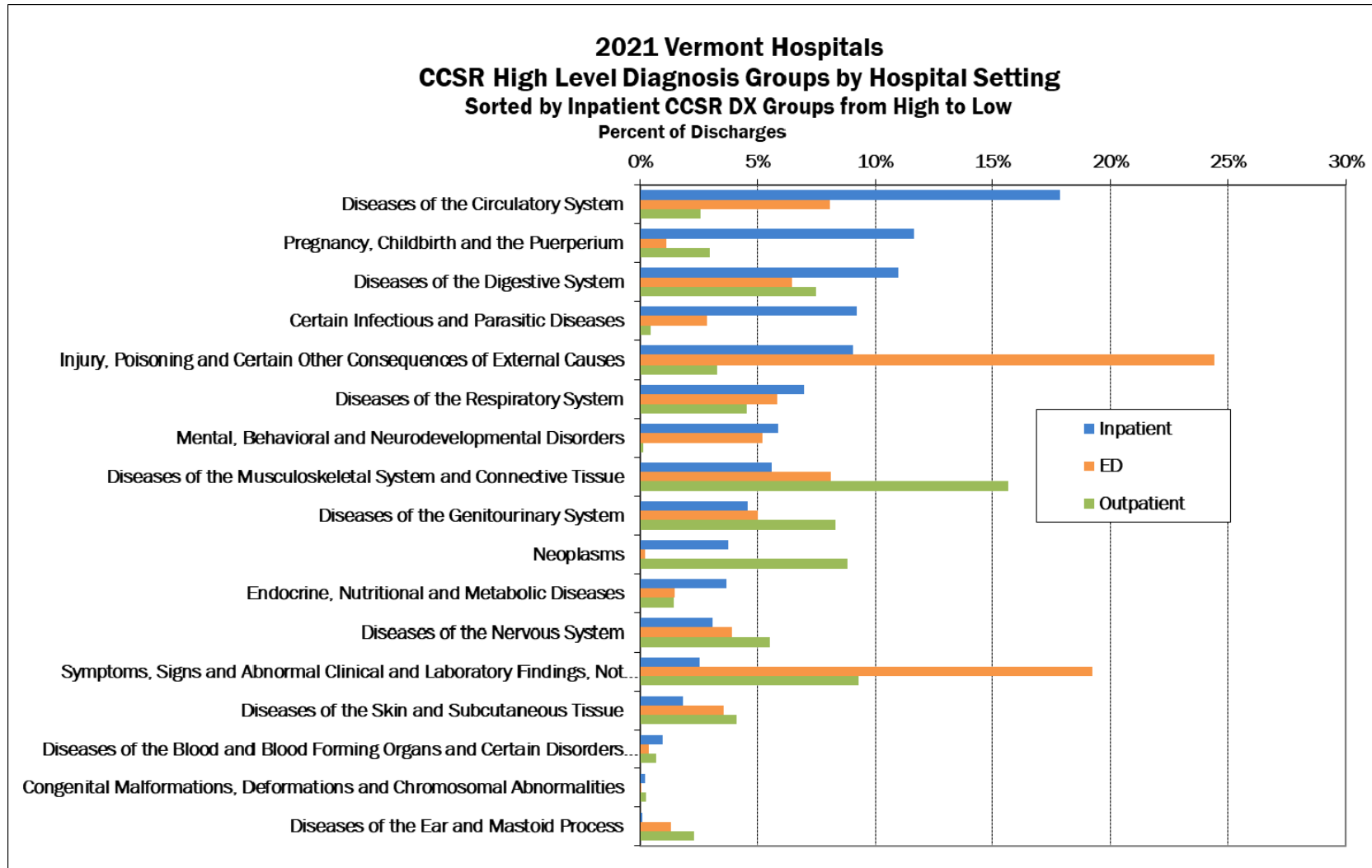


- The leading single-level group of outpatient procedures in high-level CCS procedure groups 1 through 15 in both 2017 and 2021 was Colonoscopy & biopsy. Following this procedure group in 2021 were Other diagnostic procedures on lung & bronchus; Other diagnostic nervous system procedures; and Upper gastrointestinal endoscopy, biopsy. Of note are decreases in the percent of procedures for Colonoscopy & biopsy.

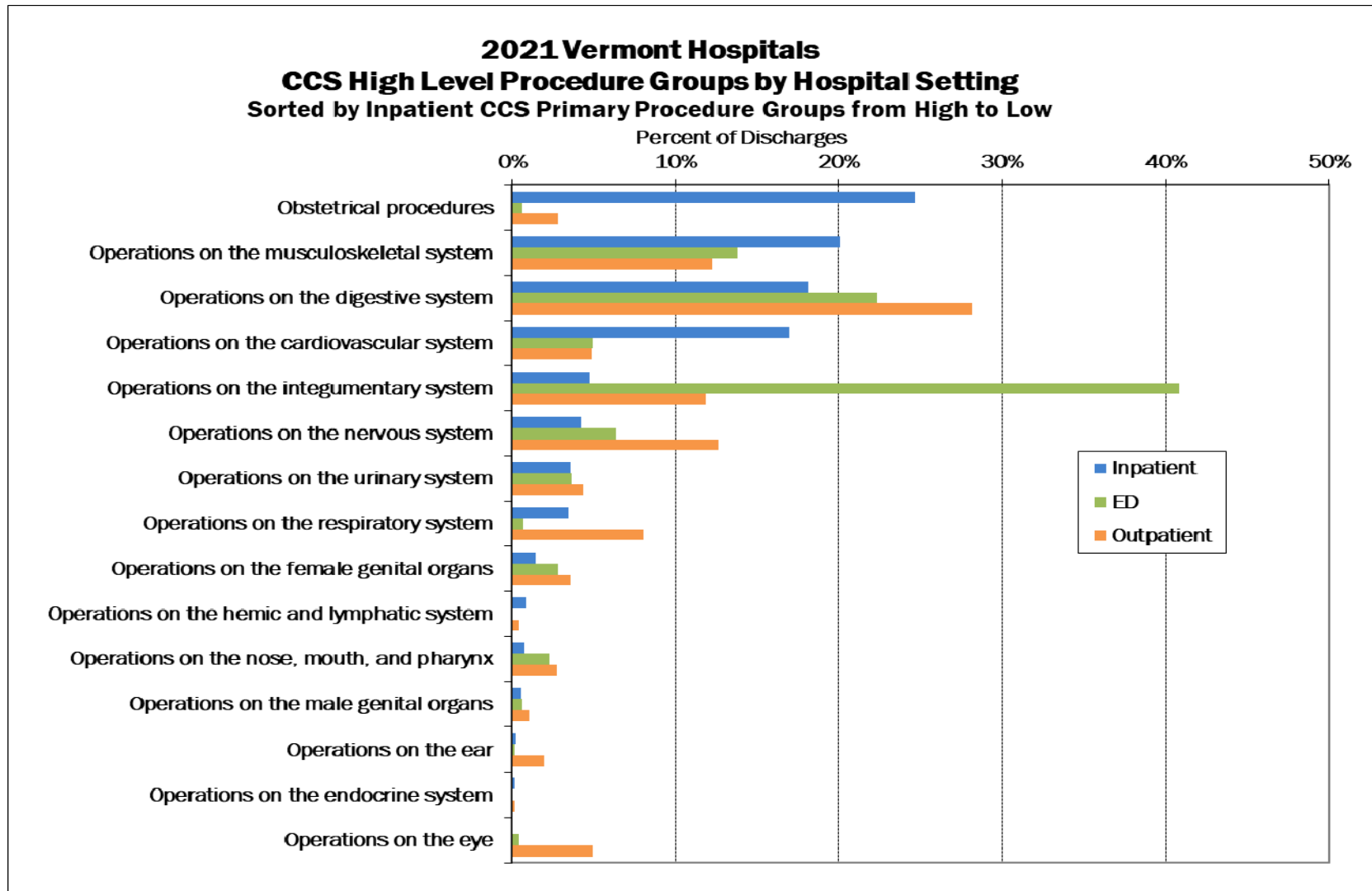


Highlights of Comparisons across Vermont Hospital Settings

- The most frequent CCSR high level diagnosis groups differed across Vermont hospital settings in 2021. The most frequent diagnosis group (based on primary diagnosis) for inpatients was Diseases of the Circulatory System. The most frequent diagnosis group for ED visits was Injury, Poisoning and Certain other Consequences of External Causes, and for outpatients, Diseases of the Musculoskeletal System and Connective Tissue.



- The most frequent CCS high level procedure groups in range 1 through 15 differed across hospital settings in 2021. The most frequent procedure group for inpatients was Obstetrical procedures, followed by Operations on the musculoskeletal system. The most frequent procedure group for ED visits was Operations on the integumentary system, followed by Operations on the digestive system. The most frequent outpatient group was Operations on the digestive system, followed by Operations on the nervous system. The frequencies of these CCS high level procedure groups across settings have been consistent in recent years.



Inpatient Discharges

Table I-1
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Vermont Hospitals by Setting

Vermont Hospital	Inpatient Discharges NOT Originating in ED		Inpatient Discharges Originating in ED		All Inpatient Discharges	
	N	Row %	N	Row %	N	Col %
Brattleboro Memorial Hospital	622	37.6%	1,032	62.4%	1,654	3.7%
Central Vermont Medical Center	512	14.2%	3,085	85.8%	3,597	8.0%
Copley Hospital	762	50.7%	740	49.3%	1,502	3.3%
Gifford Medical Center	392	31.8%	841	68.2%	1,233	2.7%
Grace Cottage Hospital	25	24.0%	79	76.0%	104	0.2%
Mt. Ascutney Hospital and Health Center	714	70.7%	296	29.3%	1,010	2.2%
North Country Hospital	334	25.7%	964	74.3%	1,298	2.9%
Northeastern Vermont Regional Hospital	382	26.4%	1,064	73.6%	1,446	3.2%
Northwestern Medical Center	530	24.7%	1,615	75.3%	2,145	4.8%
Porter Medical Center	480	39.5%	736	60.5%	1,216	2.7%
Rutland Regional Medical Center	953	16.8%	4,730	83.2%	5,683	12.6%
Southwestern Vermont Medical Center	595	19.3%	2,494	80.7%	3,089	6.8%
Springfield Hospital	216	20.8%	821	79.2%	1,037	2.3%
University of Vermont Medical Center	8,503	42.3%	11,601	57.7%	20,104	44.6%
Total	15,020	33.3%	30,098	66.7%	45,118	100.0%

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-2
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021

<u>Vermont Hospital</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Brattleboro Memorial Hospital	1,771	1,697	1,860	1,451	1,654	5,729	5,826	6,124	4,870	5,742	3.2	3.4	3.3	3.4	3.5
Central Vermont Medical Center	4,012	3,787	3,808	3,374	3,597	18,608	17,775	20,005	17,112	18,170	4.6	4.7	5.3	5.1	5.1
Copley Hospital	1,777	1,772	1,687	1,517	1,502	4,838	4,493	4,196	4,144	4,594	2.7	2.5	2.5	2.7	3.1
Gifford Medical Center	1,321	1,313	1,334	1,148	1,233	5,126	4,497	4,494	3,500	3,683	3.9	3.4	3.4	3.0	3.0
Grace Cottage Family Health & Hospital	150	124	135	113	104	420	365	475	696	559	2.8	2.9	3.5	6.2	5.4
Mt. Ascutney Hospital and Health Center	1,028	962	1,075	918	1,010	9,949	8,818	10,143	8,656	9,170	9.7	9.2	9.4	9.4	9.1
North Country Hospital	1,531	1,502	1,298	1,182	1,298	5,346	4,662	3,919	3,502	4,195	3.5	3.1	3.0	3.0	3.2
Northeastern Vermont Regional Hospital	1,375	1,334	1,293	1,022	1,446	4,299	4,707	4,699	3,473	5,216	3.1	3.5	3.6	3.4	3.6
Northwestern Medical Center	2,349	2,260	2,287	1,848	2,145	7,811	7,483	7,860	6,766	8,751	3.3	3.3	3.4	3.7	4.1
Porter Medical Center	1,102	1,159	1,274	949	1,216	3,428	3,698	3,812	2,710	4,053	3.1	3.2	3.0	2.9	3.3
Rutland Regional Medical Center	6,639	6,873	6,442	5,623	5,683	29,669	32,685	31,681	29,876	30,655	4.5	4.8	4.9	5.3	5.4
Southwestern Vermont Medical Center	3,403	3,406	3,421	2,803	3,089	11,606	11,711	11,500	9,842	12,869	3.4	3.4	3.4	3.5	4.2
Springfield Hospital	1,898	1,822	1,318	943	1,037	7,857	8,028	6,562	4,697	5,158	4.1	4.4	5.0	5.0	5.0
University of Vermont Medical Center	19,747	20,205	21,028	18,661	20,104	120,437	125,254	130,960	122,444	131,602	6.1	6.2	6.2	6.6	6.5
Total	48,103	48,216	48,260	41,552	45,118	235,123	240,002	246,430	222,288	244,417	4.9	5.0	5.1	5.3	5.4

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
All Vermont Hospitals															
1 Certain Infectious and Parasitic Diseases	2,665	2,845	2,975	2,630	4,151	16,434	18,754	19,346	18,126	29,441	6.2	6.6	6.5	6.9	7.1
2 Neoplasms	1,952	1,866	1,721	1,551	1,696	11,151	11,513	11,078	11,511	11,564	5.7	6.2	6.4	7.4	6.8
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	463	471	477	441	427	1,840	1,940	2,194	2,051	1,772	4.0	4.1	4.6	4.7	4.1
4 Endocrine, Nutritional and Metabolic Diseases	1,697	1,685	1,809	1,465	1,656	8,510	8,299	9,070	7,448	8,363	5.0	4.9	5.0	5.1	5.1
5 Mental, Behavioral and Neurodevelopmental Disorders	2,621	2,888	2,695	2,386	2,667	27,568	30,471	27,701	23,240	26,136	10.5	10.6	10.3	9.7	9.8
6 Diseases of the Nervous System	1,476	1,406	1,415	1,250	1,393	9,744	10,049	11,381	13,423	12,432	6.6	7.1	8.0	10.7	8.9
7 Diseases of the Eye and Adnexa	28	37	37	29	41	101	162	156	109	139	3.6	4.4	4.2	3.8	3.4
8 Diseases of the Ear and Mastoid Process	70	53	76	40	50	202	175	208	122	147	2.9	3.3	2.7	3.0	2.9
9 Diseases of the Circulatory System	7,731	7,934	8,211	7,414	8,045	35,342	35,630	39,706	37,069	38,158	4.6	4.5	4.8	5.0	4.7
10 Diseases of the Respiratory System	4,826	4,801	4,768	3,399	3,145	20,723	20,906	21,752	16,926	14,820	4.3	4.4	4.6	5.0	4.7
11 Diseases of the Digestive System	5,029	4,900	4,965	4,381	4,946	22,332	22,581	23,122	20,996	24,990	4.4	4.6	4.7	4.8	5.1
12 Diseases of the Skin and Subcutaneous Tissue	927	839	888	734	831	4,216	3,959	3,885	3,218	3,971	4.5	4.7	4.4	4.4	4.8
13 Diseases of the Musculoskeletal System and Connective Tissue	4,348	4,310	4,244	3,162	2,535	13,578	12,663	12,666	9,825	10,097	3.1	2.9	3.0	3.1	4.0
14 Diseases of the Genitourinary System	1,959	1,970	2,021	1,837	2,068	7,688	8,094	9,663	9,051	9,467	3.9	4.1	4.8	4.9	4.6
15 Pregnancy, Childbirth and the Puerperium	5,539	5,410	5,298	5,017	5,258	14,847	14,439	14,505	12,917	13,767	2.7	2.7	2.7	2.6	2.6
16 Certain Conditions Originating in the Perinatal Period	4	7	4	3	38	52	55	14	47	70	13.0	7.9	3.5	15.7	1.8
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	147	125	133	119	101	751	581	608	607	510	5.1	4.6	4.6	5.1	5.0
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1,263	1,211	1,237	1,077	1,145	4,529	4,659	5,314	4,809	5,355	3.6	3.8	4.3	4.5	4.7
19 Injury, Poisoning and Certain Other Consequences of External Causes	4,334	4,375	4,379	3,785	4,085	25,534	25,737	26,122	23,914	26,178	5.9	5.9	6.0	6.3	6.4
20 External Causes of Morbidity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Factors Influencing Health Status and Contact with Health Services	1,024	1,083	907	832	840	9,981	9,335	7,939	6,879	7,040	9.7	8.6	8.8	8.3	8.4
Total	48,103	48,216	48,260	41,552	45,118	235,123	240,002	246,430	222,288	244,417	4.9	5.0	5.1	5.3	5.4

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Brattleboro Memorial Hospital															
1 Certain Infectious and Parasitic Diseases	92	118	121	80	131	453	556	510	427	647	4.9	4.7	4.2	5.3	4.9
2 Neoplasms	48	55	28	30	39	198	249	134	126	112	4.1	4.5	4.8	4.2	2.9
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	13	24	24	13	11	39	68	70	43	28	3.0	2.8	2.9	3.3	2.5
4 Endocrine, Nutritional and Metabolic Diseases	50	67	75	62	42	145	186	251	236	186	2.9	2.8	3.3	3.8	4.4
5 Mental, Behavioral and Neurodevelopmental Disorders	35	27	38	39	41	116	132	130	135	191	3.3	4.9	3.4	3.5	4.7
6 Diseases of the Nervous System	27	34	44	25	27	61	109	118	87	243	2.3	3.2	2.7	3.5	9.0
7 Diseases of the Eye and Adnexa	1	1	1	-	1	1	4	2		1	1.0	4.0	2.0		1.0
8 Diseases of the Ear and Mastoid Process	1	-	2	-	-	1		5			1.0		2.5		
9 Diseases of the Circulatory System	190	230	223	196	197	610	765	754	689	685	3.2	3.3	3.4	3.5	3.5
10 Diseases of the Respiratory System	232	221	212	130	132	807	845	716	530	480	3.5	3.8	3.4	4.1	3.6
11 Diseases of the Digestive System	192	186	199	150	226	668	672	696	522	890	3.5	3.6	3.5	3.5	3.9
12 Diseases of the Skin and Subcutaneous Tissue	68	71	77	73	60	261	251	282	257	259	3.8	3.5	3.7	3.5	4.3
13 Diseases of the Musculoskeletal System and Connective Tissue	245	178	212	184	227	729	483	547	352	396	3.0	2.7	2.6	1.9	1.7
14 Diseases of the Genitourinary System	81	74	105	80	93	282	277	386	322	345	3.5	3.7	3.7	4.0	3.7
15 Pregnancy, Childbirth and the Puerperium	318	258	324	262	293	793	702	887	668	763	2.5	2.7	2.7	2.5	2.6
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-										
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	1	-	-	1		3			4		3.0			4.0
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	26	15	24	25	12	72	49	67	101	46	2.8	3.3	2.8	4.0	3.8
19 Injury, Poisoning and Certain Other Consequences of External Causes	148	126	142	99	113	474	432	536	366	434	3.2	3.4	3.8	3.7	3.8
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	4	11	9	3	8	19	43	33	9	32	4.8	3.9	3.7	3.0	4.0
Total	1,771	1,697	1,860	1,451	1,654	5,729	5,826	6,124	4,870	5,742	3.2	3.4	3.3	3.4	3.5

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Central Vermont Medical Center															
1 Certain Infectious and Parasitic Diseases	414	576	643	501	569	2,107	3,066	3,634	2,936	3,616	5.1	5.3	5.7	5.9	6.4
2 Neoplasms	82	84	64	62	47	499	513	410	307	297	6.1	6.1	6.4	5.0	6.3
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	36	45	35	59	37	82	156	255	272	118	2.3	3.5	7.3	4.6	3.2
4 Endocrine, Nutritional and Metabolic Diseases	152	133	141	133	129	606	493	555	581	617	4.0	3.7	3.9	4.4	4.8
5 Mental, Behavioral and Neurodevelopmental Disorders	497	492	434	371	402	4,963	4,406	4,896	3,611	3,370	10.0	9.0	11.3	9.7	8.4
6 Diseases of the Nervous System	106	67	76	89	94	415	446	649	645	696	3.9	6.7	8.5	7.2	7.4
7 Diseases of the Eye and Adnexa	2	-	1	1	-	9	-	13	2	-	4.5	-	13.0	2.0	-
8 Diseases of the Ear and Mastoid Process	8	4	10	5	4	20	11	20	11	13	2.5	2.8	2.0	2.2	3.3
9 Diseases of the Circulatory System	635	611	607	532	615	2,200	2,178	2,353	1,977	2,356	3.5	3.6	3.9	3.7	3.8
10 Diseases of the Respiratory System	451	331	348	260	219	1,992	1,246	1,828	1,184	1,106	4.4	3.8	5.3	4.6	5.1
11 Diseases of the Digestive System	440	396	383	352	405	1,642	1,690	1,657	1,753	1,822	3.7	4.3	4.3	5.0	4.5
12 Diseases of the Skin and Subcutaneous Tissue	96	62	79	80	65	387	256	349	391	316	4.0	4.1	4.4	4.9	4.9
13 Diseases of the Musculoskeletal System and Connective Tissue	270	233	279	232	195	1,064	739	905	856	734	3.9	3.2	3.2	3.7	3.8
14 Diseases of the Genitourinary System	169	159	137	123	135	569	577	526	621	573	3.4	3.6	3.8	5.0	4.2
15 Pregnancy, Childbirth and the Puerperium	335	317	276	276	269	848	828	720	683	686	2.5	2.6	2.6	2.5	2.6
16 Certain Conditions Originating in the Perinatal Period	-	1	-	-	-	-	2	-	-	-	-	2.0	-	-	-
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	1	1	1	-	-	2	4	2	-	-	2.0	4.0	2.0	-	-
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	82	47	58	82	119	235	157	222	279	460	2.9	3.3	3.8	3.4	3.9
19 Injury, Poisoning and Certain Other Consequences of External Causes	228	217	222	197	262	952	980	931	926	1,273	4.2	4.5	4.2	4.7	4.9
20 External Causes of Morbidity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Factors Influencing Health Status and Contact with Health Services	8	11	14	19	31	16	27	80	77	117	2.0	2.5	5.7	4.1	3.8
Total	4,012	3,787	3,808	3,374	3,597	18,608	17,775	20,005	17,112	18,170	4.6	4.7	5.3	5.1	5.1

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Copley Hospital															
1 Certain Infectious and Parasitic Diseases	17	16	24	26	64	70	51	84	102	347	4.1	3.2	3.5	3.9	5.4
2 Neoplasms	28	37	37	24	14	77	151	197	168	49	2.7	4.1	5.3	7.0	3.5
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	9	6	4	1	17	21	9	8	2	45	2.3	1.5	2.0	2.0	2.6
4 Endocrine, Nutritional and Metabolic Diseases	44	36	42	31	48	106	134	166	128	210	2.4	3.7	4.0	4.1	4.4
5 Mental, Behavioral and Neurodevelopmental Disorders	22	18	12	21	14	45	50	43	45	48	2.0	2.8	3.6	2.1	3.4
6 Diseases of the Nervous System	33	33	26	26	24	69	106	108	133	143	2.1	3.2	4.2	5.1	6.0
7 Diseases of the Eye and Adnexa	-	-	-	-	-										
8 Diseases of the Ear and Mastoid Process	4	1	-	-	1	10	2			3	2.5	2.0			3.0
9 Diseases of the Circulatory System	168	178	149	138	162	464	491	467	448	577	2.8	2.8	3.1	3.2	3.6
10 Diseases of the Respiratory System	203	182	155	127	126	733	649	518	487	490	3.6	3.6	3.3	3.8	3.9
11 Diseases of the Digestive System	200	195	143	154	139	689	648	526	554	488	3.4	3.3	3.7	3.6	3.5
12 Diseases of the Skin and Subcutaneous Tissue	44	39	26	27	33	155	142	94	112	135	3.5	3.6	3.6	4.1	4.1
13 Diseases of the Musculoskeletal System and Connective Tissue	473	547	618	526	424	966	796	792	766	577	2.0	1.5	1.3	1.5	1.4
14 Diseases of the Genitourinary System	94	77	71	76	86	267	197	207	294	354	2.8	2.6	2.9	3.9	4.1
15 Pregnancy, Childbirth and the Puerperium	189	179	185	149	156	346	342	336	240	351	1.8	1.9	1.8	1.6	2.3
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-										
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	-	1	-	1			15		1			15.0		1.0
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	79	47	39	30	38	236	128	87	106	127	3.0	2.7	2.2	3.5	3.3
19 Injury, Poisoning and Certain Other Consequences of External Causes	169	178	150	157	153	583	594	533	547	644	3.4	3.3	3.6	3.5	4.2
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	1	3	5	4	2	1	3	15	12	5	1.0	1.0	3.0	3.0	2.5
Total	1,777	1,772	1,687	1,517	1,502	4,838	4,493	4,196	4,144	4,594	2.7	2.5	2.5	2.7	3.1

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Gifford Medical Center															
1 Certain Infectious and Parasitic Diseases	18	16	32	23	84	53	58	121	86	295	2.9	3.6	3.8	3.7	3.5
2 Neoplasms	38	25	15	21	12	184	129	59	63	32	4.8	5.2	3.9	3.0	2.7
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	17	18	18	19	17	60	53	42	57	50	3.5	2.9	2.3	3.0	2.9
4 Endocrine, Nutritional and Metabolic Diseases	48	57	61	43	45	174	184	251	131	96	3.6	3.2	4.1	3.0	2.1
5 Mental, Behavioral and Neurodevelopmental Disorders	26	32	16	25	24	143	111	90	80	73	5.5	3.5	5.6	3.2	3.0
6 Diseases of the Nervous System	48	63	45	37	41	208	335	204	222	227	4.3	5.3	4.5	6.0	5.5
7 Diseases of the Eye and Adnexa	-	1	-	1	-		1		1			1.0		1.0	
8 Diseases of the Ear and Mastoid Process	3	3	9	1	6	10	7	15	4	10	3.3	2.3	1.7	4.0	1.7
9 Diseases of the Circulatory System	233	231	210	171	222	889	778	614	491	611	3.8	3.4	2.9	2.9	2.8
10 Diseases of the Respiratory System	192	164	151	109	62	764	589	541	373	225	4.0	3.6	3.6	3.4	3.6
11 Diseases of the Digestive System	138	132	157	134	128	562	451	454	385	357	4.1	3.4	2.9	2.9	2.8
12 Diseases of the Skin and Subcutaneous Tissue	42	26	31	39	46	188	110	113	130	245	4.5	4.2	3.6	3.3	5.3
13 Diseases of the Musculoskeletal System and Connective Tissue	95	95	93	104	75	412	228	217	242	234	4.3	2.4	2.3	2.3	3.1
14 Diseases of the Genitourinary System	83	83	74	81	76	295	286	268	244	201	3.6	3.4	3.6	3.0	2.6
15 Pregnancy, Childbirth and the Puerperium	169	202	215	204	241	451	514	549	501	561	2.7	2.5	2.6	2.5	2.3
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-										
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	-	-	-	2					9					4.5
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	58	53	83	79	81	169	183	323	239	194	2.9	3.5	3.9	3.0	2.4
19 Injury, Poisoning and Certain Other Consequences of External Causes	109	100	116	55	63	544	401	581	249	227	5.0	4.0	5.0	4.5	3.6
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	4	12	8	2	8	20	79	52	2	36	5.0	6.6	6.5	1.0	4.5
Total	1,321	1,313	1,334	1,148	1,233	5,126	4,497	4,494	3,500	3,683	3.9	3.4	3.4	3.0	3.0

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Grace Cottage Family Health & Hospital															
1 Certain Infectious and Parasitic Diseases	3	5	6	3	11	10	11	11	9	38	3.3	2.2	1.8	3.0	3.5
2 Neoplasms	2	2	4	2	3	6	8	5	11	4	3.0	4.0	1.3	5.5	1.3
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	3	2	1	3	2	6	5	3	7	4	2.0	2.5	3.0	2.3	2.0
4 Endocrine, Nutritional and Metabolic Diseases	9	6	11	6	7	24	12	40	17	17	2.7	2.0	3.6	2.8	2.4
5 Mental, Behavioral and Neurodevelopmental Disorders	2	4	-	1	-	7	16		2		3.5	4.0		2.0	
6 Diseases of the Nervous System	3	1	1	-	3	8	3	3		12	2.7	3.0	3.0		4.0
7 Diseases of the Eye and Adnexa	-	-	-	-	-										
8 Diseases of the Ear and Mastoid Process	-	-	-	-	-										
9 Diseases of the Circulatory System	13	20	15	15	16	30	65	47	49	40	2.3	3.2	3.1	3.3	2.5
10 Diseases of the Respiratory System	42	32	36	26	18	126	102	119	81	53	3.0	3.2	3.3	3.1	2.9
11 Diseases of the Digestive System	19	13	10	14	10	43	37	25	42	30	2.3	2.8	2.5	3.0	3.0
12 Diseases of the Skin and Subcutaneous Tissue	14	4	4	2	5	48	13	13	7	22	3.4	3.3	3.3	3.5	4.4
13 Diseases of the Musculoskeletal System and Connective Tissue	-	5	4	4	2		14	11	9	49		2.8	2.8	2.3	24.5
14 Diseases of the Genitourinary System	11	4	13	7	6	34	9	43	19	18	3.1	2.3	3.3	2.7	3.0
15 Pregnancy, Childbirth and the Puerperium	-	-	-	-	-										
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-										
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	-	-	-	-										
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	17	17	18	14	8	45	39	46	118	102	2.6	2.3	2.6	8.4	12.8
19 Injury, Poisoning and Certain Other Consequences of External Causes	12	8	8	10	10	33	27	25	148	116	2.8	3.4	3.1	14.8	11.6
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	-	1	4	6	3		4	84	177	54		4.0	21.0	29.5	18.0
Total	150	124	135	113	104	420	365	475	696	559	2.8	2.9	3.5	6.2	5.4

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Mt. Ascutney Hospital and Health Center															
1 Certain Infectious and Parasitic Diseases	9	12	19	22	86	38	48	69	130	475	4.2	4.0	3.6	5.9	5.5
2 Neoplasms	16	15	18	15	13	104	135	157	161	82	6.5	9.0	8.7	10.7	6.3
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	5	3	7	10	7	12	14	25	35	55	2.4	4.7	3.6	3.5	7.9
4 Endocrine, Nutritional and Metabolic Diseases	17	19	21	13	17	66	83	89	54	65	3.9	4.4	4.2	4.2	3.8
5 Mental, Behavioral and Neurodevelopmental Disorders	1	-	5	3	6	2		14	9	32	2.0		2.8	3.0	5.3
6 Diseases of the Nervous System	8	11	23	13	17	59	37	404	413	208	7.4	3.4	17.6	31.8	12.2
7 Diseases of the Eye and Adnexa	-	-	1	2	-			3	8				3.0	4.0	
8 Diseases of the Ear and Mastoid Process	1	-	1	2	1	2		3	6	1	2.0		3.0	3.0	1.0
9 Diseases of the Circulatory System	76	89	186	183	174	383	666	1,867	1,957	1,781	5.0	7.5	10.0	10.7	10.2
10 Diseases of the Respiratory System	79	88	94	89	92	333	316	450	539	520	4.2	3.6	4.8	6.1	5.7
11 Diseases of the Digestive System	84	58	94	86	76	333	250	355	384	465	4.0	4.3	3.8	4.5	6.1
12 Diseases of the Skin and Subcutaneous Tissue	18	19	21	22	20	72	80	83	119	107	4.0	4.2	4.0	5.4	5.4
13 Diseases of the Musculoskeletal System and Connective Tissue	12	26	28	27	26	94	170	232	267	215	7.8	6.5	8.3	9.9	8.3
14 Diseases of the Genitourinary System	21	31	56	38	33	73	111	276	219	144	3.5	3.6	4.9	5.8	4.4
15 Pregnancy, Childbirth and the Puerperium	-	-	-	-	-										
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-										
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	-	-	-	-										
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	23	19	43	36	44	106	74	310	135	205	4.6	3.9	7.2	3.7	4.7
19 Injury, Poisoning and Certain Other Consequences of External Causes	147	133	188	122	139	1,627	1,651	2,288	1,301	1,452	11.1	12.4	12.2	10.7	10.4
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	511	439	270	235	259	6,645	5,183	3,518	2,919	3,363	13.0	11.8	13.0	12.4	13.0
Total	1,028	962	1,075	918	1,010	9,949	8,818	10,143	8,656	9,170	9.7	9.2	9.4	9.4	9.1

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
North Country Hospital															
1 Certain Infectious and Parasitic Diseases	8	21	15	22	59	37	54	51	88	256	4.6	2.6	3.4	4.0	4.3
2 Neoplasms	45	39	37	31	39	187	163	130	115	129	4.2	4.2	3.5	3.7	3.3
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	18	19	14	7	8	80	50	44	14	24	4.4	2.6	3.1	2.0	3.0
4 Endocrine, Nutritional and Metabolic Diseases	64	74	56	48	49	226	223	167	113	158	3.5	3.0	3.0	2.4	3.2
5 Mental, Behavioral and Neurodevelopmental Disorders	19	18	9	11	19	87	39	16	36	70	4.6	2.2	1.8	3.3	3.7
6 Diseases of the Nervous System	31	29	12	17	20	99	64	44	37	52	3.2	2.2	3.7	2.2	2.6
7 Diseases of the Eye and Adnexa	-	-	1	-	1	-	-	2	-	2	-	-	2.0	-	2.0
8 Diseases of the Ear and Mastoid Process	1	1	-	-	-	7	3	-	-	-	7.0	3.0	-	-	-
9 Diseases of the Circulatory System	171	198	195	198	261	506	518	483	529	736	3.0	2.6	2.5	2.7	2.8
10 Diseases of the Respiratory System	376	290	209	171	152	1,329	960	751	527	651	3.5	3.3	3.6	3.1	4.3
11 Diseases of the Digestive System	209	180	203	156	191	938	679	687	490	653	4.5	3.8	3.4	3.1	3.4
12 Diseases of the Skin and Subcutaneous Tissue	47	27	31	34	41	190	121	102	128	155	4.0	4.5	3.3	3.8	3.8
13 Diseases of the Musculoskeletal System and Connective Tissue	55	76	71	53	72	174	239	197	164	190	3.2	3.1	2.8	3.1	2.6
14 Diseases of the Genitourinary System	124	96	94	91	90	398	336	295	288	297	3.2	3.5	3.1	3.2	3.3
15 Pregnancy, Childbirth and the Puerperium	198	219	211	190	151	479	498	473	406	328	2.4	2.3	2.2	2.1	2.2
16 Certain Conditions Originating in the Perinatal Period	2	2	1	-	-	5	5	4	-	-	2.5	2.5	4.0	-	-
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	1	3	1	2	1	4	7	2	4	5	4.0	2.3	2.0	2.0	5.0
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	107	109	68	71	64	418	321	199	227	192	3.9	2.9	2.9	3.2	3.0
19 Injury, Poisoning and Certain Other Consequences of External Causes	55	96	66	73	75	182	366	259	319	288	3.3	3.8	3.9	4.4	3.8
20 External Causes of Morbidity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Factors Influencing Health Status and Contact with Health Services	-	5	4	7	5	-	16	13	17	9	-	3.2	3.3	2.4	1.8
Total	1,531	1,502	1,298	1,182	1,298	5,346	4,662	3,919	3,502	4,195	3.5	3.1	3.0	3.0	3.2

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Northeastern Vermont Regional Hospital															
1 Certain Infectious and Parasitic Diseases	22	44	48	65	137	65	290	256	325	760	3.0	6.6	5.3	5.0	5.5
2 Neoplasms	32	23	29	23	53	138	86	86	55	235	4.3	3.7	3.0	2.4	4.4
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	11	14	10	4	10	40	45	31	13	24	3.6	3.2	3.1	3.3	2.4
4 Endocrine, Nutritional and Metabolic Diseases	41	36	28	30	49	155	85	108	92	172	3.8	2.4	3.9	3.1	3.5
5 Mental, Behavioral and Neurodevelopmental Disorders	62	56	33	59	87	229	190	134	224	361	3.7	3.4	4.1	3.8	4.1
6 Diseases of the Nervous System	44	31	32	19	37	149	113	116	92	156	3.4	3.6	3.6	4.8	4.2
7 Diseases of the Eye and Adnexa	-	1	-	1	1	-	6	-	1	3	-	6.0	-	1.0	3.0
8 Diseases of the Ear and Mastoid Process	2	-	2	-	1	3	-	12	-	3	1.5	-	6.0	-	3.0
9 Diseases of the Circulatory System	168	161	111	121	192	535	526	460	419	642	3.2	3.3	4.1	3.5	3.3
10 Diseases of the Respiratory System	137	177	197	101	120	476	713	930	367	466	3.5	4.0	4.7	3.6	3.9
11 Diseases of the Digestive System	185	170	162	145	208	668	684	645	547	741	3.6	4.0	4.0	3.8	3.6
12 Diseases of the Skin and Subcutaneous Tissue	33	30	26	18	37	105	135	117	64	138	3.2	4.5	4.5	3.6	3.7
13 Diseases of the Musculoskeletal System and Connective Tissue	138	144	153	55	46	349	357	322	116	152	2.5	2.5	2.1	2.1	3.3
14 Diseases of the Genitourinary System	63	54	76	66	103	198	179	255	234	397	3.1	3.3	3.4	3.5	3.9
15 Pregnancy, Childbirth and the Puerperium	229	199	206	181	187	503	479	491	396	400	2.2	2.4	2.4	2.2	2.1
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	37	-	-	-	-	65	-	-	-	-	1.8
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	1	-	-	-	-	1	-	-	-	-	1.0	-	-	-
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	88	85	68	44	32	251	252	281	193	124	2.9	3.0	4.1	4.4	3.9
19 Injury, Poisoning and Certain Other Consequences of External Causes	119	103	110	88	108	431	552	448	328	374	3.6	5.4	4.1	3.7	3.5
20 External Causes of Morbidity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Factors Influencing Health Status and Contact with Health Services	1	5	2	2	1	4	14	7	7	3	4.0	2.8	3.5	3.5	3.0
Total	1,375	1,334	1,293	1,022	1,446	4,299	4,707	4,699	3,473	5,216	3.1	3.5	3.6	3.4	3.6

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Northwestern Medical Center															
1 Certain Infectious and Parasitic Diseases	67	41	38	59	162	216	197	158	269	1,119	3.2	4.8	4.2	4.6	6.9
2 Neoplasms	38	33	48	39	40	118	148	207	156	192	3.1	4.5	4.3	4.0	4.8
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	42	16	18	28	30	127	41	38	79	113	3.0	2.6	2.1	2.8	3.8
4 Endocrine, Nutritional and Metabolic Diseases	64	64	81	71	74	203	197	358	254	333	3.2	3.1	4.4	3.6	4.5
5 Mental, Behavioral and Neurodevelopmental Disorders	49	39	34	27	24	213	205	232	135	95	4.3	5.3	6.8	5.0	4.0
6 Diseases of the Nervous System	50	39	35	28	43	253	473	207	439	260	5.1	12.1	5.9	15.7	6.0
7 Diseases of the Eye and Adnexa	2	3	-	-	1	9	13			3	4.5	4.3			3.0
8 Diseases of the Ear and Mastoid Process	8	2	-	2	2	31	8		4	4	3.9	4.0		2.0	2.0
9 Diseases of the Circulatory System	263	319	345	276	365	938	1,040	1,046	1,048	1,322	3.6	3.3	3.0	3.8	3.6
10 Diseases of the Respiratory System	364	353	353	251	246	1,359	1,244	1,365	898	1,083	3.7	3.5	3.9	3.6	4.4
11 Diseases of the Digestive System	262	305	317	304	268	952	1,005	1,060	1,061	1,267	3.6	3.3	3.3	3.5	4.7
12 Diseases of the Skin and Subcutaneous Tissue	60	75	69	36	42	214	269	272	226	194	3.6	3.6	3.9	6.3	4.6
13 Diseases of the Musculoskeletal System and Connective Tissue	328	284	208	154	98	943	751	519	443	372	2.9	2.6	2.5	2.9	3.8
14 Diseases of the Genitourinary System	132	141	137	86	134	563	462	474	341	497	4.3	3.3	3.5	4.0	3.7
15 Pregnancy, Childbirth and the Puerperium	374	357	348	343	383	808	750	755	694	786	2.2	2.1	2.2	2.0	2.1
16 Certain Conditions Originating in the Perinatal Period	1	1	-	1	-	4	3		3		4.0	3.0		3.0	
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	1	2	-	1	1	3	8		2	7	3.0	4.0		2.0	7.0
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	70	44	83	44	75	222	171	399	226	453	3.2	3.9	4.8	5.1	6.0
19 Injury, Poisoning and Certain Other Consequences of External Causes	174	139	170	97	155	635	483	760	487	643	3.6	3.5	4.5	5.0	4.1
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	-	3	3	1	2		15	10	1	8		5.0	3.3	1.0	4.0
Total	2,349	2,260	2,287	1,848	2,145	7,811	7,483	7,860	6,766	8,751	3.3	3.3	3.4	3.7	4.1

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

<u>CCSR Diagnosis Groups</u>	Discharges					Patient Days					Average Length of Stay				
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Porter Medical Center															
1 Certain Infectious and Parasitic Diseases	77	100	112	97	158	302	442	492	403	679	3.9	4.4	4.4	4.2	4.3
2 Neoplasms	16	11	11	10	16	67	70	31	52	49	4.2	6.4	2.8	5.2	3.1
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	2	9	15	6	8	5	40	41	20	21	2.5	4.4	2.7	3.3	2.6
4 Endocrine, Nutritional and Metabolic Diseases	20	20	19	17	35	67	74	48	39	102	3.4	3.7	2.5	2.3	2.9
5 Mental, Behavioral and Neurodevelopmental Disorders	13	13	23	32	14	46	56	94	99	29	3.5	4.3	4.1	3.1	2.1
6 Diseases of the Nervous System	21	20	26	18	23	94	72	180	67	148	4.5	3.6	6.9	3.7	6.4
7 Diseases of the Eye and Adnexa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Diseases of the Ear and Mastoid Process	-	1	-	-	1	-	2	-	-	1	-	2.0	-	-	1.0
9 Diseases of the Circulatory System	91	86	129	95	166	310	307	389	313	618	3.4	3.6	3.0	3.3	3.7
10 Diseases of the Respiratory System	135	118	135	67	81	486	529	471	235	288	3.6	4.5	3.5	3.5	3.6
11 Diseases of the Digestive System	100	128	140	84	121	384	431	456	285	402	3.8	3.4	3.3	3.4	3.3
12 Diseases of the Skin and Subcutaneous Tissue	22	27	39	19	35	86	100	130	52	132	3.9	3.7	3.3	2.7	3.8
13 Diseases of the Musculoskeletal System and Connective Tissue	151	158	152	119	68	311	328	299	218	174	2.1	2.1	2.0	1.8	2.6
14 Diseases of the Genitourinary System	25	40	34	21	38	70	161	145	75	137	2.8	4.0	4.3	3.6	3.6
15 Pregnancy, Childbirth and the Puerperium	331	338	321	287	317	788	764	691	585	676	2.4	2.3	2.2	2.0	2.1
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	41	37	55	40	50	165	130	167	131	197	4.0	3.5	3.0	3.3	3.9
19 Injury, Poisoning and Certain Other Consequences of External Causes	55	51	62	36	85	234	185	177	131	400	4.3	3.6	2.9	3.6	4.7
20 External Causes of Morbidity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Factors Influencing Health Status and Contact with Health Services	2	2	1	1	-	13	7	1	5	-	6.5	3.5	1.0	5.0	-
Total	1,102	1,159	1,274	949	1,216	3,428	3,698	3,812	2,710	4,053	3.1	3.2	3.0	2.9	3.3

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Rutland Regional Medical Center															
1 Certain Infectious and Parasitic Diseases	492	507	475	442	786	3,099	3,361	3,285	3,033	5,601	6.3	6.6	6.9	6.9	7.1
2 Neoplasms	248	261	223	170	188	1,384	1,408	1,287	1,051	976	5.6	5.4	5.8	6.2	5.2
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	62	56	87	65	51	154	179	283	243	192	2.5	3.2	3.3	3.7	3.8
4 Endocrine, Nutritional and Metabolic Diseases	236	227	235	204	207	994	1,098	1,103	937	916	4.2	4.8	4.7	4.6	4.4
5 Mental, Behavioral and Neurodevelopmental Disorders	803	984	843	855	905	7,570	9,286	7,900	8,079	7,503	9.4	9.4	9.4	9.4	8.3
6 Diseases of the Nervous System	180	140	120	141	155	741	1,233	972	1,320	1,159	4.1	8.8	8.1	9.4	7.5
7 Diseases of the Eye and Adnexa	3	4	6	-	2	4	25	21		2	1.3	6.3	3.5		1.0
8 Diseases of the Ear and Mastoid Process	12	12	8	9	13	22	42	23	29	45	1.8	3.5	2.9	3.2	3.5
9 Diseases of the Circulatory System	865	861	843	742	756	2,981	2,862	2,966	3,234	2,635	3.4	3.3	3.5	4.4	3.5
10 Diseases of the Respiratory System	578	706	722	504	422	2,521	3,137	3,231	2,390	2,054	4.4	4.4	4.5	4.7	4.9
11 Diseases of the Digestive System	719	741	699	553	580	2,904	2,866	3,213	2,381	2,573	4.0	3.9	4.6	4.3	4.4
12 Diseases of the Skin and Subcutaneous Tissue	138	142	125	100	106	529	577	581	393	468	3.8	4.1	4.6	3.9	4.4
13 Diseases of the Musculoskeletal System and Connective Tissue	913	863	705	485	317	2,148	1,842	1,682	1,132	1,399	2.4	2.1	2.4	2.3	4.4
14 Diseases of the Genitourinary System	383	353	358	329	301	1,408	1,238	1,494	1,720	1,240	3.7	3.5	4.2	5.2	4.1
15 Pregnancy, Childbirth and the Puerperium	380	359	349	401	354	928	879	880	984	864	2.4	2.4	2.5	2.5	2.4
16 Certain Conditions Originating in the Perinatal Period	-	-	2	1	1			6	3	5			3.0	3.0	5.0
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	6	1	1	2	1	14	2	1	3	2	2.3	2.0	1.0	1.5	2.0
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	115	128	124	113	74	326	386	394	483	245	2.8	3.0	3.2	4.3	3.3
19 Injury, Poisoning and Certain Other Consequences of External Causes	485	497	470	443	425	1,875	2,180	2,195	2,297	2,635	3.9	4.4	4.7	5.2	6.2
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	21	31	47	64	39	67	84	164	164	141	3.2	2.7	3.5	2.6	3.6
Total	6,639	6,873	6,442	5,623	5,683	29,669	32,685	31,681	29,876	30,655	4.5	4.8	4.9	5.3	5.4

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Southwestern Vermont Medical Center															
1 Certain Infectious and Parasitic Diseases	340	304	355	288	484	1,436	1,279	1,448	1,283	2,780	4.2	4.2	4.1	4.5	5.7
2 Neoplasms	83	73	61	55	48	364	313	235	221	179	4.4	4.3	3.9	4.0	3.7
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	29	32	20	19	36	94	80	56	41	100	3.2	2.5	2.8	2.2	2.8
4 Endocrine, Nutritional and Metabolic Diseases	121	120	139	101	133	435	421	456	382	620	3.6	3.5	3.3	3.8	4.7
5 Mental, Behavioral and Neurodevelopmental Disorders	51	62	47	36	42	251	258	187	145	340	4.9	4.2	4.0	4.0	8.1
6 Diseases of the Nervous System	63	71	61	82	47	218	277	197	362	178	3.5	3.9	3.2	4.4	3.8
7 Diseases of the Eye and Adnexa	1	3	1	2	2	4	13	4	6	18	4.0	4.3	4.0	3.0	9.0
8 Diseases of the Ear and Mastoid Process	1	4	11	1	3	2	8	21	3	10	2.0	2.0	1.9	3.0	3.3
9 Diseases of the Circulatory System	421	480	477	426	379	1,425	1,538	1,673	1,446	1,424	3.4	3.2	3.5	3.4	3.8
10 Diseases of the Respiratory System	504	557	636	402	403	1,888	2,185	2,371	1,542	1,664	3.7	3.9	3.7	3.8	4.1
11 Diseases of the Digestive System	433	414	385	308	340	1,514	1,541	1,332	1,159	1,340	3.5	3.7	3.5	3.8	3.9
12 Diseases of the Skin and Subcutaneous Tissue	94	71	80	69	80	314	247	280	285	337	3.3	3.5	3.5	4.1	4.2
13 Diseases of the Musculoskeletal System and Connective Tissue	251	184	183	123	107	734	543	484	348	400	2.9	3.0	2.6	2.8	3.7
14 Diseases of the Genitourinary System	131	149	142	111	144	411	475	412	418	567	3.1	3.2	2.9	3.8	3.9
15 Pregnancy, Childbirth and the Puerperium	486	471	423	424	436	1,187	1,121	999	936	977	2.4	2.4	2.4	2.2	2.2
16 Certain Conditions Originating in the Perinatal Period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	2	1	1	1	-	7	2	7	2	-	3.5	2.0	7.0	2.0	-
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	73	88	87	99	97	189	229	255	293	492	2.6	2.6	2.9	3.0	5.1
19 Injury, Poisoning and Certain Other Consequences of External Causes	310	305	304	249	303	1,109	1,093	1,052	955	1,424	3.6	3.6	3.5	3.8	4.7
20 External Causes of Morbidity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Factors Influencing Health Status and Contact with Health Services	9	17	8	7	5	24	88	31	15	19	2.7	5.2	3.9	2.1	3.8
Total	3,403	3,406	3,421	2,803	3,089	11,606	11,711	11,500	9,842	12,869	3.4	3.4	3.4	3.5	4.2

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Springfield Hospital															
1 Certain Infectious and Parasitic Diseases	47	37	59	37	95	200	176	289	183	529	4.3	4.8	4.9	4.9	5.6
2 Neoplasms	29	21	10	11	21	105	99	51	43	125	3.6	4.7	5.1	3.9	6.0
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	10	14	14	17	10	18	41	73	107	24	1.8	2.9	5.2	6.3	2.4
4 Endocrine, Nutritional and Metabolic Diseases	59	44	35	40	38	212	132	167	190	117	3.6	3.0	4.8	4.7	3.1
5 Mental, Behavioral and Neurodevelopmental Disorders	346	366	349	124	208	2,648	2,840	2,651	1,057	1,854	7.7	7.8	7.6	8.5	8.9
6 Diseases of the Nervous System	47	28	27	29	11	123	110	106	92	48	2.6	3.9	3.9	3.2	4.4
7 Diseases of the Eye and Adnexa	1	-	2	-	2	6	.	4	.	2	6.0	.	2.0	.	1.0
8 Diseases of the Ear and Mastoid Process	4	4	2	2	-	9	12	4	5	.	2.3	3.0	2.0	2.5	.
9 Diseases of the Circulatory System	247	218	158	139	132	800	718	597	671	460	3.2	3.3	3.8	4.8	3.5
10 Diseases of the Respiratory System	329	324	221	141	136	1,312	1,271	996	674	615	4.0	3.9	4.5	4.8	4.5
11 Diseases of the Digestive System	195	188	125	119	118	700	677	494	485	426	3.6	3.6	4.0	4.1	3.6
12 Diseases of the Skin and Subcutaneous Tissue	67	49	28	37	30	269	260	148	233	144	4.0	5.3	5.3	6.3	4.8
13 Diseases of the Musculoskeletal System and Connective Tissue	95	89	77	67	50	242	301	215	178	83	2.5	3.4	2.8	2.7	1.7
14 Diseases of the Genitourinary System	85	91	57	66	61	312	359	204	239	227	3.7	3.9	3.6	3.6	3.7
15 Pregnancy, Childbirth and the Puerperium	162	153	36	-	4	352	327	111	.	9	2.2	2.1	3.1	.	2.3
16 Certain Conditions Originating in the Perinatal Period	-	1	-	-	-	.	1	.	.	.	.	1.0	.	.	.
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	43	41	20	21	25	127	103	68	90	73	3.0	2.5	3.4	4.3	2.9
19 Injury, Poisoning and Certain Other Consequences of External Causes	132	154	98	93	96	422	601	384	450	422	3.2	3.9	3.9	4.8	4.4
20 External Causes of Morbidity	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.
21 Factors Influencing Health Status and Contact with Health Services	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.
Total	1,898	1,822	1,318	943	1,037	7,857	8,028	6,562	4,697	5,158	4.1	4.4	5.0	5.0	5.0

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-3
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals: 5 Year Comparison 2017-2021
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups

CCSR Diagnosis Groups	Discharges					Patient Days					Average Length of Stay				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
University of Vermont Medical Center															
1 Certain Infectious and Parasitic Diseases	1,059	1,048	1,028	965	1,325	8,348	9,165	8,938	8,852	12,299	7.9	8.7	8.7	9.2	9.3
2 Neoplasms	1,247	1,187	1,136	1,058	1,163	7,720	8,041	8,089	8,982	9,103	6.2	6.8	7.1	8.5	7.8
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	206	213	210	190	183	1,102	1,159	1,225	1,118	974	5.3	5.4	5.8	5.9	5.3
4 Endocrine, Nutritional and Metabolic Diseases	772	782	865	666	783	5,097	4,977	5,311	4,294	4,754	6.6	6.4	6.1	6.4	6.1
5 Mental, Behavioral and Neurodevelopmental Disorders	695	777	852	782	881	11,248	12,882	11,314	9,583	12,170	16.2	16.6	13.3	12.3	13.8
6 Diseases of the Nervous System	815	839	887	726	851	7,247	6,671	8,073	9,514	8,902	8.9	8.0	9.1	13.1	10.5
7 Diseases of the Eye and Adnexa	18	24	24	22	31	68	100	107	91	108	3.8	4.2	4.5	4.1	3.5
8 Diseases of the Ear and Mastoid Process	25	21	31	18	18	85	80	105	60	57	3.4	3.8	3.4	3.3	3.2
9 Diseases of the Circulatory System	4,190	4,252	4,563	4,182	4,408	23,271	23,178	25,990	23,798	24,271	5.6	5.5	5.7	5.7	5.5
10 Diseases of the Respiratory System	1,204	1,258	1,299	1,021	936	6,597	7,120	7,465	7,099	5,125	5.5	5.7	5.7	7.0	5.5
11 Diseases of the Digestive System	1,853	1,794	1,948	1,822	2,136	10,335	10,950	11,522	10,948	13,536	5.6	6.1	5.9	6.0	6.3
12 Diseases of the Skin and Subcutaneous Tissue	184	197	252	178	231	1,398	1,398	1,321	821	1,319	7.6	7.1	5.2	4.6	5.7
13 Diseases of the Musculoskeletal System and Connective Tissue	1,322	1,428	1,461	1,029	828	5,412	5,872	6,244	4,734	5,122	4.1	4.1	4.3	4.6	6.2
14 Diseases of the Genitourinary System	557	618	667	662	768	2,808	3,427	4,678	4,017	4,470	5.0	5.5	7.0	6.1	5.8
15 Pregnancy, Childbirth and the Puerperium	2,368	2,358	2,404	2,300	2,467	7,364	7,235	7,613	6,824	7,366	3.1	3.1	3.2	3.0	3.0
16 Certain Conditions Originating in the Perinatal Period	1	2	1	1	-	43	44	4	41		43.0	22.0	4.0	41.0	
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	136	115	128	113	94	721	554	581	596	482	5.3	4.8	4.5	5.3	5.1
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	441	481	467	379	426	1,968	2,437	2,496	2,188	2,445	4.5	5.1	5.3	5.8	5.7
19 Injury, Poisoning and Certain Other Consequences of External Causes	2,191	2,268	2,273	2,066	2,098	16,433	16,192	15,953	15,410	15,846	7.5	7.1	7.0	7.5	7.6
20 External Causes of Morbidity	-	-	-	-	-										
21 Factors Influencing Health Status and Contact with Health Services	463	543	532	481	477	3,172	3,772	3,931	3,474	3,253	6.9	6.9	7.4	7.2	6.8
Total	19,747	20,205	21,028	18,661	20,104	120,437	125,254	130,960	122,444	131,602	6.1	6.2	6.2	6.6	6.5

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-4
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals
Discharges, Patient Days and Average Length of Stay by Age Group

Discharges by Age Group

<u>Vermont Hospitals</u>	<u>Under 15</u>	<u>15-44</u>	<u>45-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80+</u>	<u>0-64</u>	<u>65+</u>	<u>Total</u>
Brattleboro Memorial Hospital	-	444	418	170	193	136	293	862	792	1,654
Central Vermont Medical Center	2	802	900	369	364	373	787	1,704	1,893	3,597
Copley Hospital	3	247	357	180	207	180	328	607	895	1,502
Gifford Medical Center	1	356	231	85	113	141	306	588	645	1,233
Grace Cottage Family Health & Hospital	-	7	10	10	15	9	53	17	87	104
Mt. Ascutney Hospital and Health Center	-	57	204	103	151	170	325	261	749	1,010
North Country Hospital	16	240	279	127	172	154	310	535	763	1,298
Northeastern Vermont Regional Hospital	58	348	350	122	173	138	257	756	690	1,446
Northwestern Medical Center	4	575	514	210	203	227	412	1,093	1,052	2,145
Porter Medical Center	-	393	197	123	104	133	266	590	626	1,216
Rutland Regional Medical Center	96	1,318	1,580	601	577	498	1,013	2,994	2,689	5,683
Southwestern Vermont Medical Center	4	646	642	288	317	367	825	1,292	1,797	3,089
Springfield Hospital	-	196	312	112	107	104	206	508	529	1,037
University of Vermont Medical Center	731	5,411	5,089	2,017	1,995	1,698	3,163	11,231	8,873	20,104
Total	915	11,040	11,083	4,517	4,691	4,328	8,544	23,038	22,080	45,118

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-4
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals
Discharges, Patient Days and Average Length of Stay by Age Group

<u>Vermont Hospitals</u>	Patient Days by Age Group									<u>Total</u>
	<u>Under 15</u>	<u>15-44</u>	<u>45-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80+</u>	<u>0-64</u>	<u>65+</u>	
Brattleboro Memorial Hospital	-	1,326	1,624	654	645	426	1,067	2,950	2,792	5,742
Central Vermont Medical Center	3	3,640	4,827	1,988	1,932	1,903	3,877	8,470	9,700	18,170
Copley Hospital	8	605	1,085	454	584	598	1,260	1,698	2,896	4,594
Gifford Medical Center	1	827	715	237	258	494	1,151	1,543	2,140	3,683
Grace Cottage Family Health & Hospital	-	23	21	36	90	33	356	44	515	559
Mt. Ascutney Hospital and Health Center	-	307	2,118	875	1,678	1,440	2,752	2,425	6,745	9,170
North Country Hospital	36	596	890	497	564	499	1,113	1,522	2,673	4,195
Northeastern Vermont Regional Hospital	133	931	1,320	449	695	591	1,097	2,384	2,832	5,216
Northwestern Medical Center	9	1,558	2,580	893	845	1,077	1,789	4,147	4,604	8,751
Porter Medical Center	-	893	653	473	430	477	1,127	1,546	2,507	4,053
Rutland Regional Medical Center	181	6,833	9,174	3,640	3,160	2,542	5,125	16,188	14,467	30,655
Southwestern Vermont Medical Center	4	1,787	2,394	1,265	1,628	1,885	3,906	4,185	8,684	12,869
Springfield Hospital	-	1,164	1,612	512	544	437	889	2,776	2,382	5,158
University of Vermont Medical Center	3,228	29,295	39,391	13,865	13,146	12,562	20,115	71,914	59,688	131,602
Total	3,603	49,785	68,404	25,838	26,199	24,964	45,624	121,792	122,625	244,417

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-4
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Summary Statistics for Vermont Hospitals
Discharges, Patient Days and Average Length of Stay by Age Group

Average Length of Stay by Age Group

<u>Vermont Hospitals</u>	<u>Under 15</u>	<u>15-44</u>	<u>45-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80+</u>	<u>0-64</u>	<u>65+</u>	<u>Total</u>
Brattleboro Memorial Hospital	0.0	3.0	3.9	3.8	3.3	3.1	3.6	3.4	3.5	3.5
Central Vermont Medical Center	1.5	4.5	5.4	5.4	5.3	5.1	4.9	5.0	5.1	5.1
Copley Hospital	2.7	2.4	3.0	2.5	2.8	3.3	3.8	2.8	3.2	3.1
Gifford Medical Center	1.0	2.3	3.1	2.8	2.3	3.5	3.8	2.6	3.3	3.0
Grace Cottage Family Health & Hospital	0.0	3.3	2.1	3.6	6.0	3.7	6.7	2.6	5.9	5.4
Mt. Ascutney Hospital and Health Center	0.0	5.4	10.4	8.5	11.1	8.5	8.5	9.3	9.0	9.1
North Country Hospital	2.3	2.5	3.2	3.9	3.3	3.2	3.6	2.8	3.5	3.2
Northeastern Vermont Regional Hospital	2.3	2.7	3.8	3.7	4.0	4.3	4.3	3.2	4.1	3.6
Northwestern Medical Center	2.3	2.7	5.0	4.3	4.2	4.7	4.3	3.8	4.4	4.1
Porter Medical Center	0.0	2.3	3.3	3.8	4.1	3.6	4.2	2.6	4.0	3.3
Rutland Regional Medical Center	1.9	5.2	5.8	6.1	5.5	5.1	5.1	5.4	5.4	5.4
Southwestern Vermont Medical Center	1.0	2.8	3.7	4.4	5.1	5.1	4.7	3.2	4.8	4.2
Springfield Hospital	0.0	5.9	5.2	4.6	5.1	4.2	4.3	5.5	4.5	5.0
University of Vermont Medical Center	4.4	5.4	7.7	6.9	6.6	7.4	6.4	6.4	6.7	6.5
Total	3.9	4.5	6.2	5.7	5.6	5.8	5.3	5.3	5.6	5.4

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

**Table I-5
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Vermont Hospitals by Principal Payer**

Vermont Hospital	Principal Payer														Total	
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown			
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Col%
Brattleboro Memorial Hospital	652	39.4%	329	19.9%	6	0.4%	1	0.1%	637	38.5%	29	1.8%	-	0.0%	1,654	3.7%
Central Vermont Medical Center	2,127	59.1%	642	17.8%	45	1.3%	9	0.3%	735	20.4%	38	1.1%	1	0.0%	3,597	8.0%
Copley Hospital	789	52.5%	206	13.7%	40	2.7%	10	0.7%	439	29.2%	18	1.2%	-	0.0%	1,502	3.3%
Gifford Medical Center	668	54.2%	196	15.9%	15	1.2%	4	0.3%	330	26.8%	20	1.6%	-	0.0%	1,233	2.7%
Grace Cottage Family Health & Hospital	72	69.2%	8	7.7%	2	1.9%	-	0.0%	22	21.2%	-	0.0%	-	0.0%	104	0.2%
Mt. Scutney Hospital and Health Center	761	75.3%	83	8.2%	-	0.0%	2	0.2%	155	15.3%	9	0.9%	-	0.0%	1,010	2.2%
North Country Hospital	793	61.1%	242	18.6%	43	3.3%	5	0.4%	210	16.2%	3	0.2%	2	0.2%	1,298	2.9%
Northeastern Vermont Regional Hospital	669	46.3%	339	23.4%	12	0.8%	2	0.1%	414	28.6%	10	0.7%	-	0.0%	1,446	3.2%
Northwestern Medical Center	1,197	55.8%	425	19.8%	15	0.7%	3	0.1%	472	22.0%	33	1.5%	-	0.0%	2,145	4.8%
Porter Medical Center	631	51.9%	192	15.8%	9	0.7%	-	0.0%	377	31.0%	7	0.6%	-	0.0%	1,216	2.7%
Rutland Regional Medical Center	3,207	56.4%	1,318	23.2%	183	3.2%	15	0.3%	895	15.7%	65	1.1%	-	0.0%	5,683	12.6%
Southwestern Vermont Medical Center	1,887	61.1%	483	15.6%	124	4.0%	7	0.2%	566	18.3%	22	0.7%	-	0.0%	3,089	6.8%
Springfield Hospital	529	51.0%	182	17.6%	10	1.0%	2	0.2%	296	28.5%	16	1.5%	2	0.2%	1,037	2.3%
University of Vermont Medical Center	9,387	46.7%	3,425	17.0%	596	3.0%	43	0.2%	6,281	31.2%	195	1.0%	177	0.9%	20,104	44.6%
Total	23,369	51.8%	8,070	17.9%	1,100	2.4%	103	0.2%	11,829	26.2%	465	1.0%	182	0.4%	45,118	100.0%

"Other" payer includes self-pay, no charge, and other sources of payment.

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-6
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups by Principal Payer

CCSR Diagnosis Groups	Principal Payer														Total	
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown		N	Col%
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%		
1 Certain Infectious and Parasitic Diseases	2,537	61.1%	596	14.4%	114	2.7%	3	0.1%	845	20.4%	53	1.3%	3	0.1%	4,151	9.2%
2 Neoplasms	904	53.3%	196	11.6%	50	2.9%	-	0.0%	533	31.4%	10	0.6%	3	0.2%	1,696	3.8%
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	253	59.3%	59	13.8%	12	2.8%	-	0.0%	94	22.0%	7	1.6%	2	0.5%	427	0.9%
4 Endocrine, Nutritional and Metabolic Diseases	841	50.8%	359	21.7%	49	3.0%	2	0.1%	376	22.7%	26	1.6%	3	0.2%	1,656	3.7%
5 Mental, Behavioral and Neurodevelopmental Disorders	794	29.8%	1,206	45.2%	42	1.6%	1	0.0%	572	21.4%	46	1.7%	6	0.2%	2,667	5.9%
6 Diseases of the Nervous System	804	57.7%	230	16.5%	34	2.4%	1	0.1%	315	22.6%	4	0.3%	5	0.4%	1,393	3.1%
7 Diseases of the Eye and Adnexa	16	39.0%	7	17.1%	3	7.3%	-	0.0%	13	31.7%	1	2.4%	1	2.4%	41	0.1%
8 Diseases of the Ear and Mastoid Process	36	72.0%	6	12.0%	-	0.0%	-	0.0%	8	16.0%	-	0.0%	-	0.0%	50	0.1%
9 Diseases of the Circulatory System	5,519	68.6%	648	8.1%	244	3.0%	6	0.1%	1,538	19.1%	74	0.9%	16	0.2%	8,045	17.8%
10 Diseases of the Respiratory System	2,109	67.1%	455	14.5%	77	2.4%	2	0.1%	472	15.0%	24	0.8%	6	0.2%	3,145	7.0%
11 Diseases of the Digestive System	2,489	50.3%	868	17.5%	105	2.1%	4	0.1%	1,384	28.0%	89	1.8%	7	0.1%	4,946	11.0%
12 Diseases of the Skin and Subcutaneous Tissue	444	53.4%	209	25.2%	19	2.3%	3	0.4%	142	17.1%	14	1.7%	-	0.0%	831	1.8%
13 Diseases of the Musculoskeletal System and Connective Tissue	1,482	58.5%	261	10.3%	70	2.8%	24	0.9%	679	26.8%	6	0.2%	13	0.5%	2,535	5.6%
14 Diseases of the Genitourinary System	1,387	67.1%	280	13.5%	55	2.7%	1	0.0%	331	16.0%	14	0.7%	-	0.0%	2,068	4.6%
15 Pregnancy, Childbirth and the Puerperium	62	1.2%	1,890	35.9%	97	1.8%	-	0.0%	3,166	60.2%	40	0.8%	3	0.1%	5,258	11.7%
16 Certain Conditions Originating in the Perinatal Period	-	0.0%	19	50.0%	1	2.6%	-	0.0%	18	47.4%	-	0.0%	-	0.0%	38	0.1%
17 Congenital Malformations, Deformations and Chromosomal Abnormalities	30	29.7%	25	24.8%	-	0.0%	-	0.0%	46	45.5%	-	0.0%	-	0.0%	101	0.2%
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	782	68.3%	154	13.4%	22	1.9%	1	0.1%	181	15.8%	4	0.3%	1	0.1%	1,145	2.5%
19 Injury, Poisoning and Certain Other Consequences of External Causes	2,448	59.9%	496	12.1%	90	2.2%	53	1.3%	837	20.5%	48	1.2%	113	2.8%	4,085	9.1%
20 External Causes of Morbidity	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
21 Factors Influencing Health Status and Contact with Health Services	432	51.4%	106	12.6%	16	1.9%	2	0.2%	279	33.2%	5	0.6%	-	0.0%	840	1.9%
Total	23,369	51.8%	8,070	17.9%	1,100	2.4%	103	0.2%	11,829	26.2%	465	1.0%	182	0.4%	45,118	100.0%

"Other" payer includes self-pay, no charge, and other sources of payment.

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-7
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Percent Readmitted within 30 days by Vermont Hospital and State of Residence
2016 - 2020

Vermont Hospital	2017				2018				2019				2020				2021			
	VT resident discharges		Non-Vermont discharges		VT resident discharges		Non-Vermont discharges		VT resident discharges		Non-Vermont discharges		VT resident discharges		Non-Vermont discharges		VT resident discharges		Non-Vermont discharges	
	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted	N	Pct readmitted
Brattleboro Memorial Hospital	1,439	6.0%	332	5.1%	1,358	6.9%	339	6.8%	1,493	7.8%	367	5.4%	1,158	8.1%	293	8.2%	1,340	7.5%	314	4.8%
Central Vermont Medical Center	3,932	11.9%	80	2.5%	3,721	11.4%	66	4.5%	3,729	11.0%	79	5.1%	3,313	12.6%	61	13.1%	3,516	12.1%	81	4.9%
Copley Hospital	1,705	7.3%	72	5.6%	1,684	5.8%	88	1.1%	1,625	4.9%	62	4.8%	1,475	8.1%	42	0.0%	1,458	6.6%	44	4.5%
Gifford Medical Center	1,302	9.1%	19	0.0%	1,298	9.1%	15	0.0%	1,313	8.1%	21	9.5%	1,118	9.7%	30	6.7%	1,208	7.1%	25	4.0%
Grace Cottage Family Health & Hospital	139	6.5%	11	0.0%	120	1.7%	4	0.0%	133	4.5%	2	0.0%	111	8.1%	2	0.0%	96	4.2%	8	0.0%
Mt. Ascutney Hospital and Health Center	776	7.0%	252	5.2%	700	7.3%	262	6.5%	778	8.2%	297	4.7%	672	8.6%	246	6.9%	663	6.3%	347	4.0%
North Country Hospital	1,484	9.4%	47	6.4%	1,472	7.6%	30	0.0%	1,282	8.7%	16	0.0%	1,165	9.4%	17	0.0%	1,269	10.4%	29	17.2%
Northeastern Vermont Regional Hospital	1,321	7.1%	54	9.3%	1,276	9.0%	58	5.2%	1,249	6.0%	44	0.0%	992	6.4%	30	0.0%	1,380	8.3%	66	9.1%
Northwestern Medical Center	2,319	8.2%	30	3.3%	2,232	7.9%	28	0.0%	2,257	9.2%	30	6.7%	1,827	8.6%	21	0.0%	2,111	8.7%	34	0.0%
Porter Medical Center	1,000	3.6%	102	2.9%	1,044	5.4%	115	1.7%	1,153	5.8%	121	3.3%	854	5.4%	95	2.1%	1,108	7.3%	108	1.9%
Rutland Regional Medical Center	6,161	11.3%	478	6.7%	6,428	11.5%	445	8.3%	6,007	12.1%	435	6.4%	5,236	11.3%	387	9.8%	5,313	12.0%	370	11.1%
Southwestern Vermont Medical Center	2,309	10.3%	1,094	7.2%	2,396	12.5%	1,010	7.8%	2,458	11.4%	963	7.8%	1,990	10.8%	813	6.9%	2,132	8.9%	957	9.4%
Springfield Hospital	1,576	8.7%	322	5.3%	1,525	8.1%	297	8.1%	1,119	6.5%	199	8.5%	792	6.3%	151	11.3%	883	7.0%	154	7.1%
University of Vermont Medical Center	16,153	10.7%	3,594	8.7%	16,741	11.2%	3,464	7.7%	17,459	11.3%	3,569	7.5%	15,518	11.6%	3,143	10.6%	16,754	11.8%	3,350	8.5%
Total	41,616	9.9%	6,487	7.5%	41,995	10.2%	6,221	7.3%	42,055	10.2%	6,205	7.0%	36,221	10.6%	5,331	9.3%	39,231	10.5%	5,887	8.1%
	Total N	Readmissions			Total N	Readmissions			Total N	Readmissions			Total N	Readmissions			Total N	Readmissions		
Total for All Discharges	48,103	4,613	9.6%		48,216	4,735	9.8%		48,260	4,740	9.8%		41,552	4,331	10.4%		45,118	4,609	10.2%	

Readmission is defined as inpatient admitted to the same hospital for any reason within 30 days of discharge, excluding same-day readmissions. Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table I-8
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
Median Charges for Readmissions within 30 days by Vermont Hospital and State of Residence
2017 - 2021

Vermont Hospital	2017				2018				2019				2020				2021			
	VT residents		Non-Vermonters		VT residents		Non-Vermonters		VT residents		Non-Vermonters		VT residents		Non-Vermonters		VT residents		Non-Vermonters	
	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges	N	Median Charges
Brattleboro Memorial Hospital	87	\$ 14,481	17	\$ 9,727	94	\$ 16,447	23	\$ 12,089	116	\$ 16,031	20	\$ 18,534	94	\$ 19,991	24	\$ 17,257	101	\$ 19,877	15	\$ 29,952
Central Vermont Medical Center	466	\$ 16,761	2	\$ 15,760	424	\$ 16,409	3	\$ 15,345	412	\$ 18,665	4	\$ 23,382	418	\$ 18,306	8	\$ 14,875	426	\$ 19,780	4	\$ 21,283
Copley Hospital	125	\$ 8,035	4	\$ 9,123	97	\$ 7,878	1	\$ 4,726	79	\$ 8,747	3	\$ 61,645	120	\$ 8,690	-	-	96	\$ 10,976	2	\$ 10,264
Gifford Medical Center	119	\$ 17,124	-	-	118	\$ 16,164	-	\$ 2,525	107	\$ 16,485	2	\$ 17,443	108	\$ 17,495	2	\$ 9,220	86	\$ 16,011	1	\$ 22,526
Grace Cottage Family Health & Hospital	9	\$ 9,980	-	-	2	\$ 13,286	-	-	6	\$ 16,369	-	-	9	\$ 17,853	-	-	4	\$ 14,034	-	-
Mt. Ascutney Hospital and Health Center	54	\$ 13,899	13	\$ 12,370	51	\$ 15,281	17	\$ 18,833	64	\$ 19,492	14	\$ 10,959	58	\$ 18,043	17	\$ 13,239	42	\$ 20,553	14	\$ 17,492
North Country Hospital	139	\$ 21,860	3	\$ 22,981	112	\$ 16,057	-	-	112	\$ 20,530	-	-	110	\$ 19,324	-	-	132	\$ 25,533	5	\$ 29,043
Northeastern Vermont Regional Hospital	94	\$ 17,383	5	\$ 36,089	115	\$ 26,092	3	\$ 20,768	75	\$ 30,241	-	-	63	\$ 26,352	-	-	114	\$ 28,815	6	\$ 22,219
Northwestern Medical Center	190	\$ 10,941	1	\$ 24,297	176	\$ 11,418	-	-	207	\$ 10,244	2	\$ 6,765	157	\$ 13,368	-	-	183	\$ 15,150	-	-
Porter Medical Center	36	\$ 18,021	3	\$ 37,944	56	\$ 14,405	2	\$ 15,475	67	\$ 13,169	4	\$ 17,442	46	\$ 14,991	2	\$ 4,543	81	\$ 13,250	2	\$ 14,446
Rutland Regional Medical Center	695	\$ 18,701	32	\$ 23,855	740	\$ 18,294	37	\$ 21,209	729	\$ 19,428	28	\$ 19,243	592	\$ 20,834	38	\$ 17,251	636	\$ 22,395	41	\$ 31,321
Southwestern Vermont Medical Center	238	\$ 14,326	79	\$ 15,327	300	\$ 15,293	79	\$ 14,932	279	\$ 16,241	75	\$ 15,443	214	\$ 16,444	56	\$ 15,296	189	\$ 19,999	90	\$ 18,253
Springfield Hospital	137	\$ 11,886	17	\$ 13,541	124	\$ 15,343	24	\$ 11,887	73	\$ 15,244	17	\$ 20,609	50	\$ 15,640	17	\$ 23,906	62	\$ 17,674	11	\$ 21,235
University of Vermont Medical Center	1,735	\$ 22,961	313	\$ 29,854	1,869	\$ 24,830	268	\$ 26,109	1,977	\$ 25,711	268	\$ 29,867	1,794	\$ 28,026	334	\$ 31,311	1,980	\$ 29,716	286	\$ 30,089
Total	4,124	\$ 18,198	489	\$ 23,082	4,278	\$ 19,077	457	\$ 20,397	4,303	\$ 20,298	437	\$ 21,801	3,833	\$ 21,557	498	\$ 24,653	4,132	\$ 23,679	477	\$ 26,159
Total Readmissions	Total N		Total N		Total N		Total N		Total N		Total N		Total N		Total N		Total N		Total N	
	4,613		4,735		4,740		4,331		4,609											
	\$18,536		\$19,208		\$20,403		\$21,930		\$23,944											

Readmission is defined as inpatient admitted to the same hospital for any reason within 30 days of discharge, excluding same-day readmissions.

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Total inpatient charges include newborns. Inpatient charges of \$100 or less are considered missing.

Charge data should be used with caution. See discussion in Appendix A for details.

**Table I-9
2021 Vermont Hospital Inpatient Discharges, including VT Residents and Non-residents
In-migration by Vermont Hospital**

<u>Vermont Hospital</u>	<u>Vermont Residents</u>		<u>Non-Vermonters</u>		<u>Total for Vermont Hospitals</u>	
	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>
Brattleboro Memorial Hospital	1,340	\$ 34,138,066	314	\$ 8,064,366	1,654	\$ 42,202,432
Central Vermont Medical Center	3,516	\$ 89,249,290	81	\$ 2,486,046	3,597	\$ 91,735,336
Copley Hospital	1,458	\$ 31,470,009	44	\$ 1,065,783	1,502	\$ 32,535,792
Gifford Medical Center	1,208	\$ 25,865,846	25	\$ 530,699	1,233	\$ 26,396,545
Grace Cottage Family Health & Hospital	96	\$ 1,998,491	8	\$ 128,760	104	\$ 2,127,252
Mt. Ascutney Hospital and Health Center	663	\$ 22,233,502	347	\$ 10,649,505	1,010	\$ 32,883,007
North Country Hospital	1,269	\$ 39,952,775	29	\$ 935,348	1,298	\$ 40,888,122
Northeastern Vermont Regional Hospital	1,380	\$ 43,194,530	66	\$ 2,251,999	1,446	\$ 45,446,529
Northwestern Medical Center	2,111	\$ 43,885,647	34	\$ 627,325	2,145	\$ 44,512,972
Porter Medical Center	1,108	\$ 22,265,584	108	\$ 2,353,880	1,216	\$ 24,619,464
Rutland Regional Medical Center	5,313	\$ 175,700,039	370	\$ 14,539,731	5,683	\$ 190,239,770
Southwestern Vermont Medical Center	2,132	\$ 50,708,460	957	\$ 22,507,761	3,089	\$ 73,216,221
Springfield Hospital	883	\$ 19,695,558	154	\$ 3,585,754	1,037	\$ 23,281,312
University of Vermont Medical Center	16,754	\$ 872,287,403	3,350	\$ 236,149,963	20,104	\$ 1,108,437,366
Total for 2021	39,231	\$ 1,472,645,199	5,887	\$ 305,876,922	45,118	\$ 1,778,522,121
Total for 2020	36,221	\$ 1,270,846,027	5,331	\$ 263,470,144	41,552	\$ 1,534,316,171
Total for 2019	42,055	\$ 1,362,439,494	6,205	\$ 277,412,495	48,260	\$ 1,639,851,989
Total for 2018	41,995	\$ 1,279,629,066	6,221	\$ 266,869,148	48,216	\$ 1,546,498,213
Total for 2017	41,617	\$ 1,200,053,816	6,487	\$ 266,837,030	48,104	\$ 1,466,890,846

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.
Total inpatient charges include newborns. Inpatient charges of \$100 or less are considered missing.
Charge data should be used with caution. See discussion in Appendix A for details.

Emergency Department Visits

Table E-1
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Vermont Hospitals by Setting

Vermont Hospital	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Brattleboro Memorial Hospital	1,032	8.1%	11,737	91.9%	12,769	5.2%
Central Vermont Medical Center	3,085	13.4%	19,887	86.6%	22,972	9.3%
Copley Hospital	740	6.2%	11,248	93.8%	11,988	4.9%
Gifford Medical Center	841	12.9%	5,684	87.1%	6,525	2.6%
Grace Cottage Family Health & Hospital	79	2.6%	2,990	97.4%	3,069	1.2%
Mt. Ascutney Hospital and Health Center	296	5.2%	5,447	94.8%	5,743	2.3%
North Country Hospital	964	7.4%	12,077	92.6%	13,041	5.3%
Northeastern Vermont Regional Hospital	1,064	9.5%	10,164	90.5%	11,228	4.6%
Northwestern Medical Center	1,615	7.6%	19,641	92.4%	21,256	8.6%
Porter Medical Center	736	4.0%	17,448	96.0%	18,184	7.4%
Rutland Regional Medical Center	4,730	16.4%	24,103	83.6%	28,833	11.7%
Southwestern Vermont Medical Center	2,494	11.5%	19,143	88.5%	21,637	8.8%
Springfield Hospital	821	6.8%	11,217	93.2%	12,038	4.9%
University of Vermont Medical Center	11,601	20.4%	45,381	79.6%	56,982	23.1%
Total	30,098	12.2%	216,167	87.8%	246,265	100.0%

ED visits include all hospital records (outpatient and inpatient) that originated in the ED.
 Inpatient discharges originating in the ED are reported in this table and in the Vermont Hospital Inpatient tables.
 Inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.
 ED visits exclude any records with missing or invalid diagnosis codes.

Table E-2
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Vermont Hospitals by Setting: Five-Year Comparison

Inpatient Discharges Originating in ED	2017	2018	2019	2020	2021
Brattleboro Memorial Hospital	1082	1137	1221	942	1032
Central Vermont Medical Center	3298	3152	3236	2878	3085
Copley Hospital	996	967	812	800	740
Gifford Medical Center	888	816	807	723	841
Grace Cottage Family Health & Hospital	119	100	116	90	79
Mt. Ascutney Hospital and Health Center	264	248	308	278	296
North Country Hospital	976	968	901	836	964
Northeastern Vermont Regional Hospital	943	908	838	700	1064
Northwestern Medical Center	1611	1593	1671	1311	1615
Porter Medical Center	595	631	780	533	736
Rutland Regional Medical Center	5014	5247	5031	4441	4730
Southwestern Vermont Medical Center	2563	2682	2746	2200	2494
Springfield Hospital	1446	1353	983	817	821
University of Vermont Medical Center	9652	10262	11027	10232	11601
Total	29447	30064	30477	26781	30098
ED Visits Not Admitted	2017	2018	2019	2020	2021
Brattleboro Memorial Hospital	12581	12475	12655	10604	11737
Central Vermont Medical Center	21319	21696	21876	17419	19887
Copley Hospital	11498	12142	12052	9942	11248
Gifford Medical Center	5960	5989	5800	4667	5684
Grace Cottage Family Health & Hospital	2805	2917	2931	2505	2990
Mt. Ascutney Hospital and Health Center	4506	4319	4684	4282	5447
North Country Hospital	14526	14037	14459	10663	12077
Northeastern Vermont Regional Hospital	12986	13627	13521	9309	10164
Northwestern Medical Center	21962	22170	22489	17274	19641
Porter Medical Center	13935	17505	19163	13752	17448
Rutland Regional Medical Center	27862	26774	25383	21159	24103
Southwestern Vermont Medical Center	20308	20531	20870	17328	19143
Springfield Hospital	14639	15002	13197	10415	11217
University of Vermont Medical Center	46868	46618	47406	38465	45381
Total	231755	235802	236486	187784	216167

Table E-2
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Vermont Hospitals by Setting: Five-Year Comparison

All ED Visits, Including Those Admitted	2017	2018	2019	2020	2021
Brattleboro Memorial Hospital	13663	13612	13876	11546	12769
Central Vermont Medical Center	24617	24848	25112	20297	22972
Copley Hospital	12494	13109	12864	10742	11988
Gifford Medical Center	6848	6805	6607	5390	6525
Grace Cottage Family Health & Hospital	2924	3017	3047	2595	3069
Mt. Ascutney Hospital and Health Center	4770	4567	4992	4560	5743
North Country Hospital	15502	15005	15360	11499	13041
Northeastern Vermont Regional Hospital	13929	14535	14359	10009	11228
Northwestern Medical Center	23573	23763	24160	18585	21256
Porter Medical Center	14530	18136	19943	14285	18184
Rutland Regional Medical Center	32876	32021	30414	25600	28833
Southwestern Vermont Medical Center	22871	23213	23616	19528	21637
Springfield Hospital	16085	16355	14180	11232	12038
University of Vermont Medical Center	56520	56880	58433	48697	56982
Total	261202	265866	266963	214565	246265

ED visits include all hospital records (outpatient and inpatient) that originated in the ED.

ED visits exclude any records with missing or invalid diagnosis codes.

Inpatient discharges originating in the ED are reported in this table and in the Vermont Hospital Inpatient tables.

Inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
All Vermont Hospitals						
Certain Infectious and Parasitic Diseases	3,758	37.8%	6,195	62.2%	9,953	4.0%
Neoplasms	837	65.3%	445	34.7%	1,282	0.5%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	364	31.2%	802	68.8%	1,166	0.5%
Endocrine, Nutritional and Metabolic Diseases	1,288	28.9%	3,169	71.1%	4,457	1.8%
Mental, Behavioral and Neurodevelopmental Disorders	2,188	16.3%	11,275	83.7%	13,463	5.5%
Diseases of the Nervous System	1,078	11.3%	8,458	88.7%	9,536	3.9%
Diseases of the Eye and Adnexa	35	1.7%	2,008	98.3%	2,043	0.8%
Diseases of the Ear and Mastoid Process	45	1.5%	2,868	98.5%	2,913	1.2%
Diseases of the Circulatory System	5,752	24.8%	17,464	75.2%	23,216	9.4%
Diseases of the Respiratory System	2,765	17.9%	12,650	82.1%	15,415	6.3%
Diseases of the Digestive System	4,217	23.3%	13,910	76.7%	18,127	7.4%
Diseases of the Skin and Subcutaneous Tissue	730	8.6%	7,719	91.4%	8,449	3.4%
Diseases of the Musculoskeletal System and Connective Tissue	842	4.6%	17,480	95.4%	18,322	7.4%
Diseases of the Genitourinary System	1,725	13.7%	10,867	86.3%	12,592	5.1%
Pregnancy, Childbirth and the Puerperium	129	5.1%	2,395	94.9%	2,524	1.0%
Certain Conditions Originating in the Perinatal Period	0	0.0%	116	100.0%	116	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	27	34.2%	52	65.8%	79	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	981	2.3%	41,550	97.7%	42,531	17.3%
Injury, Poisoning and Certain Other Consequences of External Causes	3,259	5.8%	52,848	94.2%	56,107	22.8%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	78	2.0%	3,896	98.0%	3,974	1.6%
Total	30,098	12.2%	216,167	87.8%	246,265	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Brattleboro Memorial Hospital						
Certain Infectious and Parasitic Diseases	129	32.3%	271	67.8%	400	3.1%
Neoplasms	21	43.8%	27	56.3%	48	0.4%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	11	28.2%	28	71.8%	39	0.3%
Endocrine, Nutritional and Metabolic Diseases	38	17.5%	179	82.5%	217	1.7%
Mental, Behavioral and Neurodevelopmental Disorders	39	4.1%	902	95.9%	941	7.4%
Diseases of the Nervous System	26	4.8%	521	95.2%	547	4.3%
Diseases of the Eye and Adnexa	0	0.0%	81	100.0%	81	0.6%
Diseases of the Ear and Mastoid Process	0	0.0%	128	100.0%	128	1.0%
Diseases of the Circulatory System	187	15.5%	1,016	84.5%	1,203	9.4%
Diseases of the Respiratory System	129	16.8%	638	83.2%	767	6.0%
Diseases of the Digestive System	197	21.5%	718	78.5%	915	7.2%
Diseases of the Skin and Subcutaneous Tissue	53	12.9%	358	87.1%	411	3.2%
Diseases of the Musculoskeletal System and Connective Tissue	21	2.3%	874	97.7%	895	7.0%
Diseases of the Genitourinary System	71	11.8%	532	88.2%	603	4.7%
Pregnancy, Childbirth and the Puerperium	4	2.7%	146	97.3%	150	1.2%
Certain Conditions Originating in the Perinatal Period	0	0.0%	7	100.0%	7	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	1	16.7%	5	83.3%	6	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	11	0.5%	2,183	99.5%	2,194	17.2%
Injury, Poisoning and Certain Other Consequences of External Causes	93	3.1%	2,906	96.9%	2,999	23.5%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	1	0.5%	217	99.5%	218	1.7%
Total	1,032	8.1%	11,737	91.9%	12,769	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Central Vermont Medical Center						
Certain Infectious and Parasitic Diseases	555	57.4%	412	42.6%	967	4.2%
Neoplasms	34	45.3%	41	54.7%	75	0.3%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	35	35.4%	64	64.6%	99	0.4%
Endocrine, Nutritional and Metabolic Diseases	121	29.4%	291	70.6%	412	1.8%
Mental, Behavioral and Neurodevelopmental Disorders	362	23.6%	1,172	76.4%	1,534	6.7%
Diseases of the Nervous System	93	10.4%	799	89.6%	892	3.9%
Diseases of the Eye and Adnexa	0	0.0%	168	100.0%	168	0.7%
Diseases of the Ear and Mastoid Process	4	1.9%	210	98.1%	214	0.9%
Diseases of the Circulatory System	598	23.9%	1,900	76.1%	2,498	10.9%
Diseases of the Respiratory System	211	15.5%	1,154	84.5%	1,365	5.9%
Diseases of the Digestive System	392	21.4%	1,437	78.6%	1,829	8.0%
Diseases of the Skin and Subcutaneous Tissue	63	8.1%	712	91.9%	775	3.4%
Diseases of the Musculoskeletal System and Connective Tissue	100	5.7%	1,648	94.3%	1,748	7.6%
Diseases of the Genitourinary System	131	10.8%	1,082	89.2%	1,213	5.3%
Pregnancy, Childbirth and the Puerperium	7	3.0%	223	97.0%	230	1.0%
Certain Conditions Originating in the Perinatal Period	0	0.0%	7	100.0%	7	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	5	100.0%	5	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	118	3.0%	3,832	97.0%	3,950	17.2%
Injury, Poisoning and Certain Other Consequences of External Causes	245	5.2%	4,510	94.8%	4,755	20.7%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	16	6.8%	220	93.2%	236	1.0%
Total	3,085	13.4%	19,887	86.6%	22,972	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission. Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Copley Hospital						
Certain Infectious and Parasitic Diseases	54	18.2%	243	81.8%	297	2.5%
Neoplasms	11	34.4%	21	65.6%	32	0.3%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	15	30.6%	34	69.4%	49	0.4%
Endocrine, Nutritional and Metabolic Diseases	36	24.2%	113	75.8%	149	1.2%
Mental, Behavioral and Neurodevelopmental Disorders	11	2.6%	412	97.4%	423	3.5%
Diseases of the Nervous System	19	5.1%	350	94.9%	369	3.1%
Diseases of the Eye and Adnexa	0	0.0%	101	100.0%	101	0.8%
Diseases of the Ear and Mastoid Process	1	0.5%	206	99.5%	207	1.7%
Diseases of the Circulatory System	131	14.0%	802	86.0%	933	7.8%
Diseases of the Respiratory System	102	12.6%	710	87.4%	812	6.8%
Diseases of the Digestive System	110	15.1%	620	84.9%	730	6.1%
Diseases of the Skin and Subcutaneous Tissue	25	6.0%	391	94.0%	416	3.5%
Diseases of the Musculoskeletal System and Connective Tissue	20	1.9%	1,032	98.1%	1,052	8.8%
Diseases of the Genitourinary System	66	12.2%	477	87.8%	543	4.5%
Pregnancy, Childbirth and the Puerperium	3	3.0%	98	97.0%	101	0.8%
Certain Conditions Originating in the Perinatal Period	0	0.0%	5	100.0%	5	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	1	100.0%	1	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	28	1.6%	1,736	98.4%	1,764	14.7%
Injury, Poisoning and Certain Other Consequences of External Causes	108	2.8%	3,702	97.2%	3,810	31.8%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	0	0.0%	194	100.0%	194	1.6%
Total	740	6.2%	11,248	93.8%	11,988	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Gifford Medical Center						
Certain Infectious and Parasitic Diseases	81	46.6%	93	53.4%	174	2.7%
Neoplasms	10	52.6%	9	47.4%	19	0.3%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	17	68.0%	8	32.0%	25	0.4%
Endocrine, Nutritional and Metabolic Diseases	43	37.4%	72	62.6%	115	1.8%
Mental, Behavioral and Neurodevelopmental Disorders	23	10.4%	199	89.6%	222	3.4%
Diseases of the Nervous System	31	13.0%	207	87.0%	238	3.6%
Diseases of the Eye and Adnexa	0	0.0%	45	100.0%	45	0.7%
Diseases of the Ear and Mastoid Process	6	4.4%	129	95.6%	135	2.1%
Diseases of the Circulatory System	201	37.0%	342	63.0%	543	8.3%
Diseases of the Respiratory System	57	13.7%	358	86.3%	415	6.4%
Diseases of the Digestive System	116	23.8%	371	76.2%	487	7.5%
Diseases of the Skin and Subcutaneous Tissue	38	14.1%	231	85.9%	269	4.1%
Diseases of the Musculoskeletal System and Connective Tissue	18	4.2%	408	95.8%	426	6.5%
Diseases of the Genitourinary System	70	21.3%	258	78.7%	328	5.0%
Pregnancy, Childbirth and the Puerperium	5	6.0%	78	94.0%	83	1.3%
Certain Conditions Originating in the Perinatal Period	0	0.0%	6	100.0%	6	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	2	28.6%	5	71.4%	7	0.1%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	72	6.9%	975	93.1%	1,047	16.0%
Injury, Poisoning and Certain Other Consequences of External Causes	49	2.7%	1,757	97.3%	1,806	27.7%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	2	1.5%	133	98.5%	135	2.1%
Total	841	12.9%	5,684	87.1%	6,525	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Grace Cottage Family Health & Hospital						
Certain Infectious and Parasitic Diseases	9	11.4%	70	88.6%	79	2.6%
Neoplasms	1	14.3%	6	85.7%	7	0.2%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	2	25.0%	6	75.0%	8	0.3%
Endocrine, Nutritional and Metabolic Diseases	6	12.8%	41	87.2%	47	1.5%
Mental, Behavioral and Neurodevelopmental Disorders	0	0.0%	112	100.0%	112	3.6%
Diseases of the Nervous System	3	3.4%	84	96.6%	87	2.8%
Diseases of the Eye and Adnexa	0	0.0%	33	100.0%	33	1.1%
Diseases of the Ear and Mastoid Process	0	0.0%	45	100.0%	45	1.5%
Diseases of the Circulatory System	13	5.2%	235	94.8%	248	8.1%
Diseases of the Respiratory System	15	7.2%	192	92.8%	207	6.7%
Diseases of the Digestive System	8	4.6%	165	95.4%	173	5.6%
Diseases of the Skin and Subcutaneous Tissue	3	2.5%	118	97.5%	121	3.9%
Diseases of the Musculoskeletal System and Connective Tissue	1	0.5%	190	99.5%	191	6.2%
Diseases of the Genitourinary System	5	3.3%	147	96.7%	152	5.0%
Pregnancy, Childbirth and the Puerperium	0	0.0%	6	100.0%	6	0.2%
Certain Conditions Originating in the Perinatal Period	0	0.0%	0	0.0%	0	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	0	0.0%	0	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	3	0.6%	512	99.4%	515	16.8%
Injury, Poisoning and Certain Other Consequences of External Causes	7	0.7%	1,001	99.3%	1,008	32.8%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	3	10.0%	27	90.0%	30	1.0%
Total	79	2.6%	2,990	97.4%	3,069	100.0%

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 Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Mt. Ascutney Hospital and Health Center						
Certain Infectious and Parasitic Diseases	36	15.7%	194	84.3%	230	4.0%
Neoplasms	4	50.0%	4	50.0%	8	0.1%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	3	20.0%	12	80.0%	15	0.3%
Endocrine, Nutritional and Metabolic Diseases	9	10.7%	75	89.3%	84	1.5%
Mental, Behavioral and Neurodevelopmental Disorders	3	1.2%	249	98.8%	252	4.4%
Diseases of the Nervous System	8	5.0%	152	95.0%	160	2.8%
Diseases of the Eye and Adnexa	0	0.0%	59	100.0%	59	1.0%
Diseases of the Ear and Mastoid Process	1	1.0%	97	99.0%	98	1.7%
Diseases of the Circulatory System	49	12.4%	345	87.6%	394	6.9%
Diseases of the Respiratory System	47	10.0%	425	90.0%	472	8.2%
Diseases of the Digestive System	50	10.4%	429	89.6%	479	8.3%
Diseases of the Skin and Subcutaneous Tissue	13	4.0%	311	96.0%	324	5.6%
Diseases of the Musculoskeletal System and Connective Tissue	6	1.6%	364	98.4%	370	6.4%
Diseases of the Genitourinary System	24	7.8%	284	92.2%	308	5.4%
Pregnancy, Childbirth and the Puerperium	0	0.0%	20	100.0%	20	0.3%
Certain Conditions Originating in the Perinatal Period	0	0.0%	0	0.0%	0	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	3	100.0%	3	0.1%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	25	3.0%	811	97.0%	836	14.6%
Injury, Poisoning and Certain Other Consequences of External Causes	13	0.8%	1,543	99.2%	1,556	27.1%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	5	6.7%	70	93.3%	75	1.3%
Total	296	5.2%	5,447	94.8%	5,743	100.0%

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Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
North Country Hospital						
Certain Infectious and Parasitic Diseases	58	13.7%	364	86.3%	422	3.2%
Neoplasms	16	38.1%	26	61.9%	42	0.3%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	7	15.9%	37	84.1%	44	0.3%
Endocrine, Nutritional and Metabolic Diseases	43	18.4%	191	81.6%	234	1.8%
Mental, Behavioral and Neurodevelopmental Disorders	19	4.4%	413	95.6%	432	3.3%
Diseases of the Nervous System	19	4.7%	388	95.3%	407	3.1%
Diseases of the Eye and Adnexa	1	0.9%	116	99.1%	117	0.9%
Diseases of the Ear and Mastoid Process	0	0.0%	251	100.0%	251	1.9%
Diseases of the Circulatory System	248	20.7%	949	79.3%	1,197	9.2%
Diseases of the Respiratory System	139	13.1%	919	86.9%	1,058	8.1%
Diseases of the Digestive System	161	17.0%	788	83.0%	949	7.3%
Diseases of the Skin and Subcutaneous Tissue	35	6.7%	487	93.3%	522	4.0%
Diseases of the Musculoskeletal System and Connective Tissue	19	1.6%	1,157	98.4%	1,176	9.0%
Diseases of the Genitourinary System	68	9.2%	675	90.8%	743	5.7%
Pregnancy, Childbirth and the Puerperium	1	1.3%	75	98.7%	76	0.6%
Certain Conditions Originating in the Perinatal Period	0	0.0%	2	100.0%	2	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	0	0.0%	0	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	59	3.0%	1,920	97.0%	1,979	15.2%
Injury, Poisoning and Certain Other Consequences of External Causes	67	2.1%	3,061	97.9%	3,128	24.0%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	4	1.5%	258	98.5%	262	2.0%
Total	964	7.4%	12,077	92.6%	13,041	100.0%

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Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Northeastern Vermont Regional Hospital						
Certain Infectious and Parasitic Diseases	127	32.5%	264	67.5%	391	3.5%
Neoplasms	28	54.9%	23	45.1%	51	0.5%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	10	21.3%	37	78.7%	47	0.4%
Endocrine, Nutritional and Metabolic Diseases	45	19.6%	185	80.4%	230	2.0%
Mental, Behavioral and Neurodevelopmental Disorders	85	16.9%	418	83.1%	503	4.5%
Diseases of the Nervous System	32	9.5%	306	90.5%	338	3.0%
Diseases of the Eye and Adnexa	1	1.4%	73	98.6%	74	0.7%
Diseases of the Ear and Mastoid Process	1	0.7%	139	99.3%	140	1.2%
Diseases of the Circulatory System	183	19.1%	775	80.9%	958	8.5%
Diseases of the Respiratory System	115	15.8%	615	84.2%	730	6.5%
Diseases of the Digestive System	184	22.7%	625	77.3%	809	7.2%
Diseases of the Skin and Subcutaneous Tissue	31	8.0%	356	92.0%	387	3.4%
Diseases of the Musculoskeletal System and Connective Tissue	22	2.5%	867	97.5%	889	7.9%
Diseases of the Genitourinary System	80	11.6%	610	88.4%	690	6.1%
Pregnancy, Childbirth and the Puerperium	5	4.3%	111	95.7%	116	1.0%
Certain Conditions Originating in the Perinatal Period	0	0.0%	2	100.0%	2	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	4	100.0%	4	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	29	1.5%	1,944	98.5%	1,973	17.6%
Injury, Poisoning and Certain Other Consequences of External Causes	86	3.0%	2,777	97.0%	2,863	25.5%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	0	0.0%	33	100.0%	33	0.3%
Total	1,064	9.5%	10,164	90.5%	11,228	100.0%

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Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Northwestern Medical Center						
Certain Infectious and Parasitic Diseases	154	21.6%	560	78.4%	714	3.4%
Neoplasms	30	55.6%	24	44.4%	54	0.3%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	29	26.9%	79	73.1%	108	0.5%
Endocrine, Nutritional and Metabolic Diseases	70	15.9%	371	84.1%	441	2.1%
Mental, Behavioral and Neurodevelopmental Disorders	24	2.9%	795	97.1%	819	3.9%
Diseases of the Nervous System	43	4.8%	857	95.2%	900	4.2%
Diseases of the Eye and Adnexa	1	0.7%	140	99.3%	141	0.7%
Diseases of the Ear and Mastoid Process	2	0.9%	232	99.1%	234	1.1%
Diseases of the Circulatory System	358	17.9%	1,641	82.1%	1,999	9.4%
Diseases of the Respiratory System	245	15.7%	1,319	84.3%	1,564	7.4%
Diseases of the Digestive System	245	13.7%	1,547	86.3%	1,792	8.4%
Diseases of the Skin and Subcutaneous Tissue	38	4.9%	745	95.1%	783	3.7%
Diseases of the Musculoskeletal System and Connective Tissue	30	1.7%	1,703	98.3%	1,733	8.2%
Diseases of the Genitourinary System	124	10.2%	1,089	89.8%	1,213	5.7%
Pregnancy, Childbirth and the Puerperium	7	3.3%	202	96.7%	209	1.0%
Certain Conditions Originating in the Perinatal Period	0	0.0%	15	100.0%	15	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	1	25.0%	3	75.0%	4	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	71	1.9%	3,738	98.1%	3,809	17.9%
Injury, Poisoning and Certain Other Consequences of External Causes	143	3.2%	4,343	96.8%	4,486	21.1%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	0	0.0%	238	100.0%	238	1.1%
Total	1,615	7.6%	19,641	92.4%	21,256	100.0%

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Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Porter Medical Center						
Certain Infectious and Parasitic Diseases	140	28.2%	357	71.8%	497	2.7%
Neoplasms	10	41.7%	14	58.3%	24	0.1%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	8	15.7%	43	84.3%	51	0.3%
Endocrine, Nutritional and Metabolic Diseases	32	13.2%	210	86.8%	242	1.3%
Mental, Behavioral and Neurodevelopmental Disorders	14	3.1%	433	96.9%	447	2.5%
Diseases of the Nervous System	19	3.7%	494	96.3%	513	2.8%
Diseases of the Eye and Adnexa	0	0.0%	275	100.0%	275	1.5%
Diseases of the Ear and Mastoid Process	1	0.2%	545	99.8%	546	3.0%
Diseases of the Circulatory System	142	14.3%	851	85.7%	993	5.5%
Diseases of the Respiratory System	74	4.5%	1,573	95.5%	1,647	9.1%
Diseases of the Digestive System	109	9.8%	998	90.2%	1,107	6.1%
Diseases of the Skin and Subcutaneous Tissue	28	3.2%	851	96.8%	879	4.8%
Diseases of the Musculoskeletal System and Connective Tissue	17	1.1%	1,567	98.9%	1,584	8.7%
Diseases of the Genitourinary System	34	3.9%	838	96.1%	872	4.8%
Pregnancy, Childbirth and the Puerperium	1	0.6%	176	99.4%	177	1.0%
Certain Conditions Originating in the Perinatal Period	0	0.0%	4	100.0%	4	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	2	100.0%	2	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	45	1.4%	3,219	98.6%	3,264	17.9%
Injury, Poisoning and Certain Other Consequences of External Causes	62	1.4%	4,501	98.6%	4,563	25.1%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	0	0.0%	497	100.0%	497	2.7%
Total	736	4.0%	17,448	96.0%	18,184	100.0%

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Table E-3
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Rutland Regional Medical Center						
Certain Infectious and Parasitic Diseases	773	45.0%	945	55.0%	1,718	6.0%
Neoplasms	152	71.4%	61	28.6%	213	0.7%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	50	37.3%	84	62.7%	134	0.5%
Endocrine, Nutritional and Metabolic Diseases	192	31.9%	410	68.1%	602	2.1%
Mental, Behavioral and Neurodevelopmental Disorders	765	37.7%	1,264	62.3%	2,029	7.0%
Diseases of the Nervous System	148	12.8%	1,009	87.2%	1,157	4.0%
Diseases of the Eye and Adnexa	2	0.9%	223	99.1%	225	0.8%
Diseases of the Ear and Mastoid Process	12	4.7%	243	95.3%	255	0.9%
Diseases of the Circulatory System	700	26.1%	1,984	73.9%	2,684	9.3%
Diseases of the Respiratory System	392	23.9%	1,246	76.1%	1,638	5.7%
Diseases of the Digestive System	523	25.8%	1,501	74.2%	2,024	7.0%
Diseases of the Skin and Subcutaneous Tissue	99	10.2%	870	89.8%	969	3.4%
Diseases of the Musculoskeletal System and Connective Tissue	176	8.5%	1,903	91.5%	2,079	7.2%
Diseases of the Genitourinary System	278	20.0%	1,114	80.0%	1,392	4.8%
Pregnancy, Childbirth and the Puerperium	17	4.7%	342	95.3%	359	1.2%
Certain Conditions Originating in the Perinatal Period	0	0.0%	18	100.0%	18	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	4	100.0%	4	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	68	1.4%	4,894	98.6%	4,962	17.2%
Injury, Poisoning and Certain Other Consequences of External Causes	364	5.9%	5,790	94.1%	6,154	21.3%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	19	8.8%	198	91.2%	217	0.8%
Total	4,730	16.4%	24,103	83.6%	28,833	100.0%

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2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups
Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Southwestern Vermont Medical Center						
Certain Infectious and Parasitic Diseases	477	38.3%	769	61.7%	1,246	5.8%
Neoplasms	35	37.2%	59	62.8%	94	0.4%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	35	26.7%	96	73.3%	131	0.6%
Endocrine, Nutritional and Metabolic Diseases	129	34.8%	242	65.2%	371	1.7%
Mental, Behavioral and Neurodevelopmental Disorders	42	4.5%	898	95.5%	940	4.3%
Diseases of the Nervous System	46	6.1%	714	93.9%	760	3.5%
Diseases of the Eye and Adnexa	2	1.6%	121	98.4%	123	0.6%
Diseases of the Ear and Mastoid Process	3	1.8%	165	98.2%	168	0.8%
Diseases of the Circulatory System	355	17.1%	1,719	82.9%	2,074	9.6%
Diseases of the Respiratory System	401	31.0%	892	69.0%	1,293	6.0%
Diseases of the Digestive System	318	19.1%	1,346	80.9%	1,664	7.7%
Diseases of the Skin and Subcutaneous Tissue	77	11.7%	583	88.3%	660	3.1%
Diseases of the Musculoskeletal System and Connective Tissue	51	3.3%	1,477	96.7%	1,528	7.1%
Diseases of the Genitourinary System	139	13.3%	906	86.7%	1,045	4.8%
Pregnancy, Childbirth and the Puerperium	4	1.5%	267	98.5%	271	1.3%
Certain Conditions Originating in the Perinatal Period	0	0.0%	2	100.0%	2	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	0	0.0%	0	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	95	2.4%	3,896	97.6%	3,991	18.4%
Injury, Poisoning and Certain Other Consequences of External Causes	285	6.7%	3,990	93.3%	4,275	19.8%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	0	0.0%	1,001	100.0%	1,001	4.6%
Total	2,494	11.5%	19,143	88.5%	21,637	100.0%

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Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
Springfield Hospital						
Certain Infectious and Parasitic Diseases	92	14.0%	566	86.0%	658	5.5%
Neoplasms	16	45.7%	19	54.3%	35	0.3%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	6	10.5%	51	89.5%	57	0.5%
Endocrine, Nutritional and Metabolic Diseases	38	17.8%	176	82.2%	214	1.8%
Mental, Behavioral and Neurodevelopmental Disorders	71	10.3%	617	89.7%	688	5.7%
Diseases of the Nervous System	11	2.7%	398	97.3%	409	3.4%
Diseases of the Eye and Adnexa	0	0.0%	67	100.0%	67	0.6%
Diseases of the Ear and Mastoid Process	0	0.0%	159	100.0%	159	1.3%
Diseases of the Circulatory System	127	11.8%	946	88.2%	1,073	8.9%
Diseases of the Respiratory System	135	14.7%	784	85.3%	919	7.6%
Diseases of the Digestive System	114	11.4%	887	88.6%	1,001	8.3%
Diseases of the Skin and Subcutaneous Tissue	29	6.4%	422	93.6%	451	3.7%
Diseases of the Musculoskeletal System and Connective Tissue	13	2.0%	640	98.0%	653	5.4%
Diseases of the Genitourinary System	57	9.8%	527	90.2%	584	4.9%
Pregnancy, Childbirth and the Puerperium	3	2.0%	145	98.0%	148	1.2%
Certain Conditions Originating in the Perinatal Period	0	0.0%	10	100.0%	10	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.0%	1	100.0%	1	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	24	1.4%	1,632	98.6%	1,656	13.8%
Injury, Poisoning and Certain Other Consequences of External Causes	85	2.8%	2,974	97.2%	3,059	25.4%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	0	0.0%	196	100.0%	196	1.6%
Total	821	6.8%	11,217	93.2%	12,038	100.0%

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Vermont Hospitals by Setting

CCSR Diagnosis Groups	Inpatient Discharges Originating in ED		ED Visits Not Admitted		All ED Visits	
	N	Row%	N	Row%	N	Col%
University of Vermont Medical Center						
Certain Infectious and Parasitic Diseases	1,073	49.7%	1,087	50.3%	2,160	3.8%
Neoplasms	469	80.9%	111	19.1%	580	1.0%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	136	37.9%	223	62.1%	359	0.6%
Endocrine, Nutritional and Metabolic Diseases	486	44.2%	613	55.8%	1,099	1.9%
Mental, Behavioral and Neurodevelopmental Disorders	730	17.7%	3,391	82.3%	4,121	7.2%
Diseases of the Nervous System	580	21.0%	2,179	79.0%	2,759	4.8%
Diseases of the Eye and Adnexa	28	5.2%	506	94.8%	534	0.9%
Diseases of the Ear and Mastoid Process	14	4.2%	319	95.8%	333	0.6%
Diseases of the Circulatory System	2,460	38.3%	3,959	61.7%	6,419	11.3%
Diseases of the Respiratory System	703	27.8%	1,825	72.2%	2,528	4.4%
Diseases of the Digestive System	1,690	40.5%	2,478	59.5%	4,168	7.3%
Diseases of the Skin and Subcutaneous Tissue	198	13.4%	1,284	86.6%	1,482	2.6%
Diseases of the Musculoskeletal System and Connective Tissue	348	8.7%	3,650	91.3%	3,998	7.0%
Diseases of the Genitourinary System	578	19.9%	2,328	80.1%	2,906	5.1%
Pregnancy, Childbirth and the Puerperium	72	12.5%	506	87.5%	578	1.0%
Certain Conditions Originating in the Perinatal Period	0	0.0%	38	100.0%	38	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	23	54.8%	19	45.2%	42	0.1%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	333	3.1%	10,258	96.9%	10,591	18.6%
Injury, Poisoning and Certain Other Consequences of External Causes	1,652	14.2%	9,993	85.8%	11,645	20.4%
External Causes of Morbidity	0	0.0%	0	0.0%	0	0.0%
Factors Influencing Health Status and Contact with Health Services	28	4.4%	614	95.6%	642	1.1%
Total	11,601	20.4%	45,381	79.6%	56,982	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission. Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-4
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Vermont Hospitals by Age Group

<u>Vermont Hospitals</u>	<u>Age Group</u>								<u>Total</u>	
	<u>Under 15</u>	<u>15-44</u>	<u>45-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80+</u>	<u>0-64</u>		<u>65+</u>
Brattleboro Memorial Hospital	1,098	4,971	2,910	725	612	554	867	8,979	2,758	11,737
Central Vermont Medical Center	2,060	7,860	5,010	1,293	1,216	909	1,539	14,930	4,957	19,887
Copley Hospital	1,448	4,684	2,656	567	569	507	817	8,788	2,460	11,248
Gifford Medical Center	683	2,360	1,269	293	348	280	451	4,312	1,372	5,684
Grace Cottage Family Health & Hospital	331	914	707	275	214	211	338	1,952	1,038	2,990
Mt. Ascutney Hospital and Health Center	559	1,769	1,401	405	403	355	555	3,729	1,718	5,447
North Country Hospital	1,462	4,602	2,888	738	752	639	996	8,952	3,125	12,077
Northeastern Vermont Regional Hospital	1,142	4,165	2,472	569	629	445	742	7,779	2,385	10,164
Northwestern Medical Center	2,304	7,637	5,171	934	1,146	928	1,521	15,112	4,529	19,641
Porter Medical Center	1,786	7,249	4,085	1,144	1,054	808	1,322	13,120	4,328	17,448
Rutland Regional Medical Center	2,259	9,536	6,385	1,625	1,462	1,017	1,819	18,180	5,923	24,103
Southwestern Vermont Medical Center	2,024	6,912	4,718	1,258	1,261	1,004	1,966	13,654	5,489	19,143
Springfield Hospital	1,144	4,444	2,901	749	621	536	822	8,489	2,728	11,217
University of Vermont Medical Center	4,441	20,397	10,766	2,652	2,150	1,771	3,204	35,604	9,777	45,381
Total	22,741	87,500	53,339	13,227	12,437	9,964	16,959	163,580	52,587	216,167

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
 Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-5
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Vermont Hospitals by Principal Payer

Vermont Hospital	Principal Payer														Total	
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown		N	Col%
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%		
Brattleboro Memorial Hospital	2,708	23.1%	3,937	33.5%	64	0.5%	94	0.8%	3,848	32.8%	1,075	9.2%	11	0.1%	11,737	5.4%
Central Vermont Medical Center	5,992	30.1%	6,025	30.3%	313	1.6%	325	1.6%	6,452	32.4%	730	3.7%	50	0.3%	19,887	9.2%
Copley Hospital	2,716	24.1%	3,659	32.5%	213	1.9%	135	1.2%	3,847	34.2%	658	5.8%	20	0.2%	11,248	5.2%
Gifford Medical Center	1,483	26.1%	2,010	35.4%	34	0.6%	121	2.1%	1,736	30.5%	283	5.0%	17	0.3%	5,684	2.6%
Grace Cottage Family Health & Hospital	905	30.3%	731	24.4%	37	1.2%	43	1.4%	1,120	37.5%	154	5.2%	-	0.0%	2,990	1.4%
Mt. Ascutney Hospital and Health Center	1,990	36.5%	1,328	24.4%	-	0.0%	113	2.1%	1,742	32.0%	264	4.8%	10	0.2%	5,447	2.5%
North Country Hospital	3,627	30.0%	4,697	38.9%	348	2.9%	300	2.5%	2,687	22.2%	278	2.3%	140	1.2%	12,077	5.6%
Northeastern Vermont Regional Hospital	2,724	26.8%	3,774	37.1%	98	1.0%	181	1.8%	2,887	28.4%	500	4.9%	-	0.0%	10,164	4.7%
Northwestern Medical Center	5,649	28.8%	6,670	34.0%	236	1.2%	311	1.6%	5,580	28.4%	1,195	6.1%	-	0.0%	19,641	9.1%
Porter Medical Center	4,538	26.0%	4,498	25.8%	138	0.8%	213	1.2%	7,164	41.1%	726	4.2%	171	1.0%	17,448	8.1%
Rutland Regional Medical Center	7,563	31.4%	8,147	33.8%	459	1.9%	443	1.8%	6,591	27.3%	899	3.7%	1	0.0%	24,103	11.2%
Southwestern Vermont Medical Center	6,453	33.7%	6,229	32.5%	381	2.0%	257	1.3%	5,232	27.3%	591	3.1%	-	0.0%	19,143	8.9%
Springfield Hospital	3,600	32.1%	3,876	34.6%	105	0.9%	151	1.3%	2,855	25.5%	630	5.6%	-	0.0%	11,217	5.2%
University of Vermont Medical Center	11,552	25.5%	12,582	27.7%	1,151	2.5%	247	0.5%	16,922	37.3%	1,939	4.3%	988	2.2%	45,381	21.0%
Total	61,500	28.5%	68,163	31.5%	3,577	1.7%	2,934	1.4%	68,663	31.8%	9,922	4.6%	1,408	0.7%	216,167	100.0%

"Other" payer includes self-pay, no charge, and other sources of payment.

ED visits include all hospital records that originated in the ED and did not result in hospital admission.

Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-6
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups by Principal Payer

CCSR Diagnosis Groups	Principal Payer														Total	
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown		N	Col%
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%		
Certain Infectious and Parasitic Diseases	1,355	53.0%	2,195	85.9%	123	4.8%	6	0.2%	2,197	86.0%	305	11.9%	14	0.5%	6,195	2.9%
Neoplasms	210	48.2%	73	16.7%	13	3.0%	-	0.0%	140	32.1%	7	1.6%	2	0.5%	445	0.2%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	445	73.8%	152	25.2%	10	1.7%	1	0.2%	166	27.5%	23	3.8%	5	0.8%	802	0.4%
Endocrine, Nutritional and Metabolic Diseases	1,549	52.3%	789	26.6%	46	1.6%	3	0.1%	689	23.2%	86	2.9%	7	0.2%	3,169	1.5%
Mental, Behavioral and Neurodevelopmental Disorders	2,369	22.9%	5,650	54.6%	170	1.6%	11	0.1%	2,393	23.1%	642	6.2%	40	0.4%	11,275	5.2%
Diseases of the Nervous System	2,502	34.3%	2,765	37.9%	136	1.9%	42	0.6%	2,659	36.5%	301	4.1%	53	0.7%	8,458	3.9%
Diseases of the Eye and Adnexa	483	28.3%	589	34.6%	35	2.1%	24	1.4%	779	45.7%	90	5.3%	8	0.5%	2,008	0.9%
Diseases of the Ear and Mastoid Process	532	19.6%	1,174	43.2%	37	1.4%	4	0.1%	969	35.6%	139	5.1%	13	0.5%	2,868	1.3%
Diseases of the Circulatory System	7,476	48.9%	3,411	22.3%	353	2.3%	34	0.2%	5,570	36.4%	570	3.7%	50	0.3%	17,464	8.1%
Diseases of the Respiratory System	2,904	21.6%	5,210	38.7%	229	1.7%	12	0.1%	3,761	27.9%	507	3.8%	27	0.2%	12,650	5.9%
Diseases of the Digestive System	3,914	31.9%	4,498	36.6%	217	1.8%	19	0.2%	4,401	35.8%	835	6.8%	26	0.2%	13,910	6.4%
Diseases of the Skin and Subcutaneous Tissue	1,976	30.5%	2,895	44.7%	120	1.9%	63	1.0%	2,238	34.5%	409	6.3%	18	0.3%	7,719	3.6%
Diseases of the Musculoskeletal System and Connective Tissue	5,673	39.7%	4,714	33.0%	318	2.2%	375	2.6%	5,480	38.4%	796	5.6%	124	0.9%	17,480	8.1%
Diseases of the Genitourinary System	3,512	38.0%	2,862	30.9%	181	2.0%	8	0.1%	3,820	41.3%	455	4.9%	29	0.3%	10,867	5.0%
Pregnancy, Childbirth and the Puerperium	61	2.9%	1,334	62.4%	28	1.3%	3	0.1%	845	39.5%	117	5.5%	7	0.3%	2,395	1.1%
Certain Conditions Originating in the Perinatal Period	-	0.0%	61	78.2%	4	5.1%	-	0.0%	31	39.7%	20	25.6%	-	0.0%	116	0.1%
Congenital Malformations, Deformations and Chromosomal Abnormalities	2	4.0%	18	36.0%	1	2.0%	-	0.0%	24	48.0%	6	12.0%	1	2.0%	52	0.0%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	13,380	37.5%	12,844	36.0%	695	1.9%	72	0.2%	12,955	36.3%	1,495	4.2%	109	0.3%	41,550	19.2%
Injury, Poisoning and Certain Other Consequences of External Causes	12,124	26.3%	15,702	34.1%	779	1.7%	2,144	4.7%	18,488	40.1%	2,858	6.2%	753	1.6%	52,848	24.4%
External Causes of Morbidity	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Factors Influencing Health Status and Contact with Health Services	1,033	25.0%	1,227	29.7%	82	2.0%	113	2.7%	1,058	25.6%	261	6.3%	122	2.9%	3,896	1.8%
Total	61,500	32.7%	68,163	36.3%	3,577	1.9%	2,934	1.6%	68,663	36.6%	9,922	5.3%	1,408	0.7%	216,167	100.0%

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
 Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.

Table E-7
2021 Vermont Hospital Emergency Department Visits, including VT Residents and Non-Residents
In-migration by Vermont Hospital

<u>Vermont Hospital</u>	<u>Vermont Residents</u>		<u>Non-Vermonters</u>		<u>Total for Vermont Hospitals</u>	
	<u>Visits</u>	<u>Total Charges</u>	<u>Visits</u>	<u>Total Charges</u>	<u>Visits</u>	<u>Total Charges</u>
Brattleboro Memorial Hospital	9,339	\$ 32,435,335	2,398	\$ 8,115,054	11,737	\$ 40,550,389
Central Vermont Medical Center	18,996	\$ 50,439,863	891	\$ 2,086,073	19,887	\$ 52,525,936
Copley Hospital	9,929	\$ 18,127,991	1,319	\$ 2,180,906	11,248	\$ 20,308,897
Gifford Medical Center	5,436	\$ 20,111,390	248	\$ 755,185	5,684	\$ 20,866,574
Grace Cottage Family Health & Hospital	2,519	\$ 7,910,179	471	\$ 1,400,961	2,990	\$ 9,311,140
Mt. Ascutney Hospital and Health Center	4,396	\$ 14,644,493	1,051	\$ 3,373,292	5,447	\$ 18,017,785
North Country Hospital	11,522	\$ 37,651,210	555	\$ 1,961,764	12,077	\$ 39,612,974
Northeastern Vermont Regional Hospital	9,582	\$ 29,738,014	582	\$ 1,623,140	10,164	\$ 31,361,153
Northwestern Medical Center	19,192	\$ 44,677,182	449	\$ 1,048,040	19,641	\$ 45,725,222
Porter Medical Center	15,626	\$ 29,287,031	1,822	\$ 2,629,162	17,448	\$ 31,916,193
Rutland Regional Medical Center	21,974	\$ 66,200,636	2,129	\$ 6,960,428	24,103	\$ 73,161,065
Southwestern Vermont Medical Center	13,620	\$ 41,214,060	5,523	\$ 17,154,962	19,143	\$ 58,369,022
Springfield Hospital	9,177	\$ 25,838,488	2,040	\$ 5,986,817	11,217	\$ 31,825,305
University of Vermont Medical Center	41,538	\$ 199,614,000	3,843	\$ 20,285,806	45,381	\$ 219,899,805
Total	192,846	\$ 617,889,872	23,321	\$ 75,561,590	216,167	\$ 693,451,462
Total for 2020	169,305	\$ 489,834,794	18,519	\$ 55,766,345	187,824	\$ 545,601,139
Total for 2019	211,996	\$ 521,435,439	24,522	\$ 66,300,852	236,518	\$ 587,736,291
Total for 2018	211,431	\$ 489,779,713	24,401	\$ 62,460,585	235,832	\$ 552,240,299
Total for 2017	207,454	\$ 460,425,997	24,329	\$ 57,447,238	231,783	\$ 517,873,235

ED visits include all hospital records that originated in the ED and did not result in hospital admission.
 Inpatient discharges originating in the ED are reported in the Vermont Hospital Inpatient tables.
 Numbers of ED visits exclude any records with missing or invalid diagnosis codes.
 Inpatient charges of \$100 or less and outpatient charges of \$0 are considered missing.
 Charge data should be used with caution. See discussion in Appendix A for details.

Outpatient Procedures and Services

Table O-1
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Vermont Hospitals by State of Residence

Vermont Hospital	Vermont Residents		Non-residents		All Outpatient Procedures	
	N	Row%	N	Row%	N	Col%
Brattleboro Memorial Hospital	4,184	86.1%	674	13.9%	4,858	3.6%
Central Vermont Medical Center	9,813	98.9%	110	1.1%	9,923	7.4%
Copley Hospital	4,765	99.1%	45	0.9%	4,810	3.6%
Gifford Medical Center	2,119	98.5%	32	1.5%	2,151	1.6%
Grace Cottage Family Health & Hospital	-	0%	-	0%	-	0.0%
Mt. Ascutney Hospital and Health Center	1,196	66.0%	616	34.0%	1,812	1.3%
North Country Hospital	3,321	99.0%	34	1.0%	3,355	2.5%
Northeastern Vermont Regional Hospital	4,007	92.7%	317	7.3%	4,324	3.2%
Northwestern Medical Center	5,945	98.9%	67	1.1%	6,012	4.5%
Porter Medical Center	3,270	90.3%	350	9.7%	3,620	2.7%
Rutland Regional Medical Center	19,813	95.3%	967	4.7%	20,780	15.5%
Southwestern Vermont Medical Center	6,566	72.2%	2,531	27.8%	9,097	6.8%
Springfield Hospital	1,638	85.4%	281	14.6%	1,919	1.4%
University of Vermont Medical Center	51,818	88.2%	6,933	11.8%	58,751	43.8%
Green Mountain Surgical Center	2,774	97.3%	76	2.7%	2,850	2.1%
Total	121,229	90.3%	13,033	9.7%	134,262	100.0%

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

Table O-2
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Vermont Hospitals by Data Year: Five-year Comparison

Vermont Hospital	2017	2018	2019	2020	2021
Brattleboro Memorial Hospital	4,960	4,114	4,732	3,458	4,858
Central Vermont Medical Center	9,545	9,303	9,061	7,590	9,923
Copley Hospital	4,498	4,375	4,572	4,186	4,810
Gifford Medical Center	1,906	1,614	1,920	1,723	2,151
Grace Cottage Family Health & Hospital	8	1	2	-	-
Mt. Ascutney Hospital and Health Center	1,523	1,646	1,657	1,639	1,812
North Country Hospital	4,082	3,549	3,303	3,357	3,355
Northeastern Vermont Regional Hospital	4,576	4,696	3,942	3,741	4,324
Northwestern Medical Center	6,071	6,418	6,099	5,049	6,012
Porter Medical Center	2,946	2,839	3,497	2,389	3,620
Rutland Regional Medical Center	18,124	19,302	21,388	21,007	20,780
Southwestern Vermont Medical Center	9,586	9,507	8,881	7,673	9,097
Springfield Hospital	2,605	2,575	2,139	1,504	1,919
University of Vermont Medical Center	60,838	60,289	65,003	51,217	58,751
Green Mountain Surgical Center	-	-	-	-	2,850
Total	131,268	130,228	136,196	114,533	134,262

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

Table O-3
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups by Vermont Hospitals

CCSR Diagnosis Groups

	BRAT	CVMC	COPL	GIFF	GRAC	MT.A.	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Certain Infectious and Parasitic Diseases	5	8	2	8	0	3	3	8	8	0	49	5	1	500	1	601
Neoplasms	204	474	257	52	0	33	430	546	267	238	1127	477	167	7223	332	11827
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	15	80	23	10	0	12	13	41	99	1	202	78	8	321	23	926
Endocrine, Nutritional and Metabolic Diseases	90	23	9	34	0	13	19	17	42	4	140	137	10	1369	1	1908
Mental, Behavioral and Neurodevelopmental Disorders	3	22	2	0	0	0	2	6	24	2	5	5	0	74	24	169
Diseases of the Nervous System	124	237	277	210	0	339	398	116	192	61	1378	732	95	3210	79	7448
Diseases of the Eye and Adnexa	384	743	98	154	0	355	1	501	355	452	559	6	0	2412	97	6117
Diseases of the Ear and Mastoid Process	0	31	1	2	0	0	5	14	16	33	1718	0	41	1220	0	3081
Diseases of the Circulatory System	105	160	24	19	0	9	53	9	45	43	261	189	3	2553	5	3478
Diseases of the Respiratory System	74	545	35	69	0	40	204	202	286	108	1322	128	141	2986	0	6140
Diseases of the Digestive System	476	807	279	107	0	211	542	257	828	434	1068	723	332	3472	499	10035
Diseases of the Skin and Subcutaneous Tissue	100	76	9	42	0	11	28	343	76	46	277	41	14	4449	11	5523
Diseases of the Musculoskeletal System and Connective Tissue	415	1818	1083	361	0	211	132	655	455	291	5461	875	101	9068	117	21043
Diseases of the Genitourinary System	171	313	139	165	0	49	205	167	331	258	1416	620	160	6989	150	11133
Pregnancy, Childbirth and the Puerperium	739	695	245	154	0	0	215	392	139	203	547	249	0	399	10	3987
Certain Conditions Originating in the Perinatal Period	1	1	0	0	0	0	0	0	0	7	0	0	0	7	0	16
Congenital Malformations, Deformations and Chromosomal Abnormalities	6	8	2	7	0	0	1	4	6	5	21	4	3	287	14	368
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	395	941	119	310	0	193	291	248	1303	73	2253	962	111	5105	160	12464
Injury, Poisoning and Certain Other Consequences of External Causes	341	529	447	50	0	3	109	205	176	160	665	270	87	1370	20	4432
External Causes of Morbidity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Factors Influencing Health Status and Contact with Health Services	1210	2412	1759	397	0	330	704	593	1364	1201	2311	3596	645	5737	1307	23566
Total	4,858	9,923	4,810	2,151	-	1,812	3,355	4,324	6,012	3,620	20,780	9,097	1,919	58,751	2,850	134,262

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.
CCSR Diagnosis Groups are based on the first listed diagnosis code.
Column headers denote hospitals: key to the hospital abbreviations can be found in Appendix K.

**2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Clinical Classifications Software (CCS) High Level Procedure Groups by Vermont Hospitals**

CCS Procedure Groups

	BRAT	CVMC	COPL	GIFF	GRAC	MT.A.	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Operations on the nervous system	108	1,287	488	432	-	624	431	335	194	60	2,881	1,207	89	8,752	84	16,972
Operations on the endocrine system	-	2	-	-	-	-	-	-	3	1	23	19	-	197	-	245
Operations on the eye	390	744	98	155	-	355	-	502	357	454	592	5	-	2,868	109	6,629
Operations on the ear	-	31	1	-	-	-	5	17	15	33	1,431	-	16	1,110	-	2,659
Operations on the nose, mouth, and pharynx	17	142	1	28	-	4	40	31	292	140	1,233	64	116	1,570	2	3,680
Operations on the respiratory system	308	968	124	227	-	103	369	329	627	11	1,960	268	161	5,370	-	10,825
Operations on the cardiovascular system	152	409	165	39	-	5	91	506	212	59	707	435	27	3,784	2	6,593
Operations on the hemic and lymphatic system	12	12	4	3	-	-	13	5	5	3	133	33	-	357	1	581
Operations on the digestive system	1,787	3,581	1,124	537	-	600	1,563	911	2,851	1,688	3,095	3,885	1,053	12,910	2,168	37,753
Operations on the urinary system	117	231	55	123	-	40	98	129	88	136	1,144	191	85	3,390	10	5,837
Operations on the male genital organs	48	108	17	16	-	9	59	20	10	81	206	92	21	700	-	1,387
Operations on the female genital organs	97	129	102	73	-	1	145	103	261	165	940	1,479	84	1,145	172	4,896
Obstetrical procedures	770	698	243	153	-	-	206	385	123	193	551	132	-	319	-	3,773
Operations on the musculoskeletal system	730	1,246	1,318	284	-	24	235	619	608	450	4,725	792	177	5,167	121	16,496
Operations on the integumentary system	322	335	1,070	81	-	47	100	432	366	146	1,159	495	90	11,112	181	15,936
Total	4,858	9,923	4,810	2,151	-	1,812	3,355	4,324	6,012	3,620	20,780	9,097	1,919	58,751	2,850	134,262

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

CCS procedure groups are based on primary CPT.

Column headers denote hospitals: key to the hospital abbreviations can be found in Appendix K.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group CCS Single Level Procedure Group	2017	2018	2019	2020	2021
Operations on the nervous system					
1 Incision & excision of CNS	-	-	1	-	1
2 Insertion, replacem, rem of extracranial ventricular shunt	13	18	40	14	18
3 Laminectomy, excision intervertebral disc	342	325	341	267	364
4 Diagnostic spinal tap	58	53	144	110	101
5 Insert cath, spinal stimulator, inject into spinal canal	4,283	4,089	3,893	3,323	3,809
6 Decompression peripheral nerve	1,636	1,532	1,570	1,218	1,658
7 Other diagnostic nervous system procedures	2,457	2,500	2,586	4,571	6,982
8 Other non-OR or closed therapeutic nerv syst procs	2,301	2,167	2,382	3,932	3,888
9 Other OR therapeutic nervous system procedures	1,824	1,665	1,867	149	151
Total	12,914	12,349	12,824	13,584	16,972
Operations on the endocrine system					
10 Thyroidectomy, partial or complete	174	150	158	110	127
11 Diagnostic endocrine procedures	49	69	64	41	37
12 Other therapeutic endocrine procedures	101	93	82	71	81
Total	324	312	304	222	245
Operations on the eye					
13 Corneal transplant	4	4	12	3	1
14 Glaucoma procedures	344	408	513	389	323
15 Lens & cataract procedures	4,404	4,795	4,479	3,441	4,124
16 Repair of retinal tear, detachment	185	278	251	221	276
17 Destruction of lesion of retina & choroid	52	82	139	132	179
18 Diagnostic procedures on eye	45	54	32	25	33
19 Other therapeutic procedures on eyelids, conjunctiva, cornea	395	509	497	317	445
20 Other intraocular therapeutic procedures	2,463	2,584	3,085	3,286	1,175
21 Other extraocular muscle & orbit therapeutic procedures	108	128	128	76	73
Total	8,000	8,842	9,136	7,890	6,629
Operations on the ear					
22 Tympanoplasty	77	97	81	58	54
23 Myringotomy	834	827	798	435	286

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group CCS Single Level Procedure Group	2017	2018	2019	2020	2021
24 Mastoidectomy	16	24	17	18	12
25 Diagnostic procedures on ear	-	6	36	19	33
26 Other therapeutic ear procedures	2,117	2,213	2,225	1,935	2,274
Total	3,044	3,167	3,157	2,465	2,659
Operations on the nose, mouth, and pharynx					
27 Control of epistaxis	173	175	204	116	155
28 Plastic procedures on nose	160	267	332	233	79
29 Dental procedures	41	37	50	29	37
30 Tonsillectomy and/or adenoidectomy	566	595	743	427	363
31 Diagnostic procedures on nose, mouth & pharynx	1,917	2,018	2,364	1,612	2,371
32 Other non-OR therapeutic procedures on nose, mouth & pharynx	23	28	28	191	154
33 Other OR therapeutic procedures on nose, mouth & pharynx	336	370	399	272	521
Total	3,216	3,490	4,120	2,880	3,680
Operations on the respiratory system					
34 Tracheostomy, temporary & permanent	10	4	3	3	4
35 Tracheoscopy & laryngoscopy with biopsy	1,557	1,924	1,870	1,314	1,505
37 Diagnostic bronchoscopy & biopsy of bronchus	311	362	391	320	372
38 Other diagnostic procedures on lung & bronchus	9,830	10,203	11,132	7,373	8,561
39 Incision of pleura, thoracentesis, chest drainage	228	182	199	183	230
40 Other diagnostic proc of respiratory tract & mediastinum	9	96	150	58	29
41 Other non-OR therapeutic procedures on respiratory system	11	21	15	17	20
42 Other OR therapeutic procedures on respiratory system	114	143	157	118	104
Total	12,070	12,935	13,917	9,386	10,825
Operations on the cardiovascular system					
43 Heart valve procedures	1	1	2	2	1
44 Coronary artery bypass graft (CABG)	-	-	-	-	1
45 Percutaneous transluminal coronary angioplasty (PTCA)	19	14	30	17	267
47 Diagnostic cardiac catheterization, coronary arteriography	1,064	1,082	1,012	753	756
48 Insert, revis, replacet, rem pacemaker or cardioverter/defib	2,047	293	267	290	233

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group					
CCS Single Level Procedure Group	2017	2018	2019	2020	2021
49 Other OR heart procedures	13	13	11	17	-
51 Endarterectomy, vessel of head & neck	-	-	-	-	1
52 Aortic resection, replacement or anastomosis	-	-	2	-	-
53 Varicose vein stripping, lower limb	219	215	246	98	65
54 Other vascular catheterization, not heart	1,072	1,086	1,097	1,017	1,108
56 Other vascular bypass & shunt, not heart	5	3	4	6	3
57 Creat, revis, rem of arteriovenous fistula or cannula for dialysis	280	290	278	215	208
58 Hemodialysis	25	30	47	17	56
59 Other OR procedures on vessels of head & neck	95	88	97	65	83
60 Embolectomy & endarterectomy of lower limbs	1	3	-	-	1
61 Other OR procedures on vessels other than head & neck	267	314	302	235	166
62 Other diagnostic cardiovascular procedures	550	696	750	562	655
63 Other non-OR therapeutic cardiovascular procedures	3,191	3,479	3,356	3,382	2,989
Total	8,849	7,607	7,501	6,676	6,593
Operations on the hemic and lymphatic system					
64 Bone marrow transplant	38	35	47	54	28
65 Bone marrow biopsy	66	107	303	104	151
66 Procedures on spleen	-	1	-	-	1
67 Other therapeutic procedures, hemic & lymphatic system	166	190	226	219	401
Total	270	333	576	377	581
Operations on the digestive system					
68 Injection or ligation of esophageal varices	39	55	49	35	36
69 Esophageal dilatation	473	436	400	304	350
70 Upper gastrointestinal endoscopy, biopsy	5,367	5,166	5,414	3,703	6,449
71 Gastrostomy, temporary & permanent	97	105	110	100	102
72 Colostomy, temporary & permanent	1	1	1	1	1
73 Ileostomy & other enterostomy	16	19	20	21	16
75 Small bowel resection	-	-	-	-	2
76 Colonoscopy & biopsy	24,036	21,941	20,948	16,787	21,931
77 Proctoscopy & anorectal biopsy	622	589	600	455	679
78 Colorectal resection	9	7	8	7	17

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group					
CCS Single Level Procedure Group	2017	2018	2019	2020	2021
79 Local excision of large intestine lesion (not endoscopic)	1	-	-	-	-
80 Appendectomy	62	75	98	67	87
81 Hemorrhoid procedures	198	229	212	224	265
82 Endoscopic retrograde cannulation of pancreas (ERCP)	148	136	136	129	100
83 Biopsy of liver	-	-	4	3	134
84 Cholecystectomy & common duct exploration	925	919	886	781	859
85 Inguinal & femoral hernia repair	1,089	1,073	1,136	1,054	1,142
86 Other hernia repair	882	791	741	668	758
87 Laparoscopy	45	78	84	70	103
88 Abdominal paracentesis	352	382	402	480	465
89 Exploratory laparotomy	3	1	3	2	3
90 Excision, lysis peritoneal adhesions	-	-	-	-	2
91 Peritoneal dialysis	2,658	2,531	3,037	3,199	3,385
92 Other bowel diagnostic procedures	1	-	-	-	-
93 Other non-OR upper GI therapeutic procedures	27	22	17	15	12
94 Other OR upper GI therapeutic procedures	47	55	34	22	43
95 Other non-OR lower GI therapeutic procedures	63	34	48	66	92
96 Other OR lower GI therapeutic procedures	189	181	200	184	173
97 Other gastrointestinal diagnostic procedures	290	220	452	121	312
98 Other non-OR gastrointestinal therapeutic procedures	67	97	129	148	172
99 Other OR gastrointestinal therapeutic procedures	133	129	127	70	63
Total	37,840	35,272	35,296	28,716	37,753
Operations on the urinary system					
100 Endoscopy & endoscopic biopsy of the urinary tract	1,310	1,206	1,237	1,444	1,661
101 Transurethral excision, drainage, rem urinary obstruction	622	691	768	773	807
102 Ureteral catheterization	282	305	282	281	377
103 Nephrotomy & nephrostomy	103	114	129	146	135
104 Nephrectomy, partial or complete	1	9	20	27	21
106 Genitourinary incontinence procedures	197	183	207	157	92
107 Extracorporeal lithotripsy, urinary	855	901	841	846	896
108 Indwelling catheter	438	576	755	665	536

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group					
CCS Single Level Procedure Group	2017	2018	2019	2020	2021
109 Procedures on the urethra	201	199	211	184	172
110 Other diagnostic procedures of urinary tract	13	28	66	12	85
111 Other non-OR therapeutic procedures of urinary tract	784	726	676	728	782
112 Other OR therapeutic procedures of urinary tract	326	326	315	316	273
Total	5,132	5,264	5,507	5,579	5,837
Operations on the male genital organs					
113 Transurethral resection of prostate (TURP)	145	156	141	126	122
114 Open prostatectomy	6	104	118	111	6
115 Circumcision	283	272	272	209	268
116 Diagnostic procedures, male genital	237	379	292	307	480
117 Other non-OR therapeutic procedures, male genital	158	145	152	132	151
118 Other OR therapeutic procedures, male genital	494	432	395	369	360
Total	1,323	1,488	1,370	1,254	1,387
Operations on the female genital organs					
119 Oophorectomy, unilateral & bilateral	385	383	399	352	379
120 Other operations on ovary	64	84	78	57	39
121 Ligation of fallopian tubes	136	118	65	31	20
123 Other operations on fallopian tubes	4	2	5	2	15
124 Hysterectomy, abdominal & vaginal	610	669	620	541	426
125 Other excision of cervix & uterus	402	335	422	244	362
126 Abortion (termination of pregnancy)	32	73	72	56	35
127 D&C, aspiration after delivery or abortion	179	184	186	148	147
128 Diagnostic dilatation & curettage (D&C)	34	34	33	27	15
129 Repair cystocele & rectocele, oblit of vaginal vault	112	102	135	131	175
130 Other diagnostic procedures, female organs	3,061	3,032	2,988	2,263	2,511
131 Other non-OR therapeutic procedures, female organs	650	575	712	594	418
132 Other OR therapeutic procedures, female organs	375	400	422	296	354
Total	6,044	5,991	6,137	4,742	4,896
Obstetrical procedures					
122 Removal of ectopic pregnancy	12	11	13	10	6

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group					
CCS Single Level Procedure Group	2017	2018	2019	2020	2021
134 Cesarean section	-	2	-	-	-
135 Forceps, vacuum & breech delivery	4	1	1	1	2
137 Other procedures to assist delivery	48	55	46	73	58
138 Diagnostic amniocentesis	1	-	1	-	-
139 Fetal monitoring	4,043	4,006	3,766	3,258	3,689
140 Repair of current obstetric laceration	5	2	-	-	1
141 Other therapeutic obstetrical procedures	26	22	37	22	17
Total	4,139	4,099	3,864	3,364	3,773
Operations on the musculoskeletal system					
142 Partial excision bone	469	447	421	344	391
143 Bunionectomy or repair of toe deformities	499	484	514	403	374
144 Treatment, facial fracture or dislocation	50	55	64	41	54
145 Treatment, fracture or disloc of radius & ulna	450	434	576	425	476
146 Treatment, fracture or disloc of hip & femur	15	14	8	7	15
147 Treatment, fracture or disloc of lower extremity	466	535	596	532	516
148 Other fracture & dislocation procedure	502	516	503	444	537
149 Arthroscopy	374	363	345	266	179
150 Division of joint capsule, ligament or cartilage	77	62	50	58	53
151 Excision of semilunar cartilage of knee	1,071	967	870	748	820
152 Arthroplasty knee	36	207	340	552	825
153 Hip replacement, total & partial	23	34	55	414	625
154 Arthroplasty other than hip or knee	244	216	186	202	359
155 Arthrocentesis	5,307	5,902	6,638	6,590	5,230
156 Injections & aspirations of muscles, tendons, etc.	1,290	1,453	1,747	1,372	1,560
157 Amputation of lower extremity	139	125	154	170	192
158 Spinal fusion	47	119	127	72	19
159 Other diagnostic procedures on musculoskeletal system	68	61	91	48	129
160 Other therapeutic procedures on muscles & tendons	2,586	2,625	2,461	1,983	2,424
161 Other OR therapeutic procedures on bone	637	593	564	442	545
162 Other OR therapeutic procedures on joints	1,044	1,058	1,028	866	926

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-5
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) Single and High Level Procedure Groups by Data Year: 2017 - 2021

CCS High Level Procedure Group					
CCS Single Level Procedure Group	2017	2018	2019	2020	2021
163 Other non-OR therapeutic procedures on musc system	40	29	24	59	73
164 Other OR therapeutic procedures on musc system	74	61	46	42	174
Total	15,508	16,360	17,408	16,080	16,496
Operations on the integumentary system					
165 Breast biopsy & other diagnostic procedures on breast	1,150	1,368	1,533	1,212	1,615
166 Lumpectomy, quadrantectomy of breast	385	538	639	508	522
167 Mastectomy	72	120	158	145	122
168 Incision & drainage, skin & subcutaneous tissue	172	174	192	208	251
169 Debridement of wound, infection or burn	337	345	496	426	475
170 Excision of skin lesion	4,624	4,667	5,509	4,036	5,142
171 Suture of skin & subcutaneous tissue	663	580	592	525	955
172 Skin graft	673	632	642	576	421
173 Other diagnostic proc on skin & subcutaneous tissue	280	267	1,535	236	2,602
174 Other non-OR therapeutic procedures on skin & breast	3,781	3,617	3,344	3,125	3,382
175 Other OR therapeutic procedures on skin & breast	458	411	439	321	449
Total	12,595	12,719	15,079	11,318	15,936
Yearly Total	131,268	130,228	136,196	114,533	134,262

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary procedure code (CPT) in CCS high-level groups 1 through 15.

Table O-6
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Vermont Hospitals by Age Group

<u>Vermont Hospital</u>	<u>Age Group</u>								<u>Total</u>	
	<u>Under 15</u>	<u>15-44</u>	<u>45-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80+</u>	<u>0-64</u>		<u>65+</u>
Brattleboro Memorial Hospital	21	1,259	1,662	618	579	365	354	2,942	1,916	4,858
Central Vermont Medical Center	106	2,018	3,711	1,345	1,243	842	658	5,835	4,088	9,923
Copley Hospital	28	850	1,771	591	574	405	591	2,649	2,161	4,810
Gifford Medical Center	22	512	809	274	259	149	126	1,343	808	2,151
Grace Cottage Family Health & Hospital	-	-	-	-	-	-	-	-	-	-
Mt. Ascutney Hospital and Health Center	1	252	639	249	267	212	192	892	920	1,812
North Country Hospital	76	799	1,273	457	371	206	173	2,148	1,207	3,355
Northeastern Vermont Regional Hospital	53	864	1,558	557	599	330	363	2,475	1,849	4,324
Northwestern Medical Center	80	1,283	2,562	708	657	393	329	3,925	2,087	6,012
Porter Medical Center	102	680	1,335	486	458	325	234	2,117	1,503	3,620
Rutland Regional Medical Center	259	3,610	7,006	2,899	2,804	1,965	2,237	10,875	9,905	20,780
Southwestern Vermont Medical Center	50	1,913	3,691	1,133	1,089	694	527	5,654	3,443	9,097
Springfield Hospital	30	351	848	263	184	123	120	1,229	690	1,919
University of Vermont Medical Center	1,991	7,938	16,508	8,927	9,026	6,601	7,760	26,437	32,314	58,751
Green Mountain Surgical Center	8	513	1,484	331	254	170	90	2,005	845	2,850
Total	2,827	22,842	44,857	18,838	18,364	12,780	13,754	70,526	63,736	134,262

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

Table O-7
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Vermont Hospitals by Principal Payer

Vermont Hospital	Principal Payer														Total	
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown		N	Col%
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Col%
Brattleboro Memorial Hospital	1,549	31.9%	863	17.8%	32	0.7%	49	1.0%	2,330	48.0%	35	0.7%	-	0.0%	4,858	3.6%
Central Vermont Medical Center	4,214	42.5%	1,283	12.9%	172	1.7%	146	1.5%	4,050	40.8%	49	0.5%	9	0.1%	9,923	7.4%
Copley Hospital	1,271	26.4%	588	12.2%	61	1.3%	72	1.5%	1,810	37.6%	989	20.6%	19	0.4%	4,810	3.6%
Gifford Medical Center	789	36.7%	398	18.5%	21	1.0%	11	0.5%	885	41.1%	47	2.2%	-	0.0%	2,151	1.6%
Grace Cottage Family Health & Hospital	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Mt. Ascutney Hospital and Health Center	918	50.7%	178	9.8%	-	0.0%	34	1.9%	678	37.4%	4	0.2%	-	0.0%	1,812	1.3%
North Country Hospital	1,325	39.5%	745	22.2%	72	2.1%	19	0.6%	1,173	35.0%	6	0.2%	15	0.4%	3,355	2.5%
Northeastern Vermont Regional Hospital	1,762	40.7%	826	19.1%	66	1.5%	50	1.2%	1,596	36.9%	24	0.6%	-	0.0%	4,324	3.2%
Northwestern Medical Center	2,179	36.2%	996	16.6%	69	1.1%	38	0.6%	2,659	44.2%	71	1.2%	-	0.0%	6,012	4.5%
Porter Medical Center	1,413	39.0%	446	12.3%	24	0.7%	4	0.1%	1,688	46.6%	39	1.1%	6	0.2%	3,620	2.7%
Rutland Regional Medical Center	10,710	51.5%	3,324	16.0%	424	2.0%	270	1.3%	5,988	28.8%	62	0.3%	2	0.0%	20,780	15.5%
Southwestern Vermont Medical Center	3,577	39.3%	1,401	15.4%	173	1.9%	67	0.7%	3,848	42.3%	31	0.3%	-	0.0%	9,097	6.8%
Springfield Hospital	727	37.9%	349	18.2%	10	0.5%	22	1.1%	786	41.0%	23	1.2%	2	0.1%	1,919	1.4%
University of Vermont Medical Center	34,963	59.5%	4,718	8.0%	1,254	2.1%	356	0.6%	17,105	29.1%	165	0.3%	190	0.3%	58,751	43.8%
Green Mountain Surgical Center	798	28.0%	213	7.5%	19	0.7%	-	0.0%	1,720	60.4%	95	3.3%	5	0.2%	2,850	2.1%
Total	66,195	49.3%	16,328	12.2%	2,397	1.8%	1,138	0.8%	46,316	34.5%	1,640	1.2%	248	0.2%	134,262	100.0%

"Other" payer includes self-pay, no charge, and other sources of payment.

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

Table O-8
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups by Principal Payer

CCSR Diagnosis Groups	Principal Payer															
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown		Total	
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Col%
Certain Infectious and Parasitic Diseases	498	82.9%	38	6.3%	11	1.8%	-	0.0%	53	8.8%	1	0.2%	-	0.0%	601	0.4%
Neoplasms	8,096	68.5%	815	6.9%	158	1.3%	1	0.0%	2,719	23.0%	33	0.3%	5	0.0%	11,827	8.8%
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	523	56.5%	81	8.7%	16	1.7%	-	0.0%	299	32.3%	7	0.8%	-	0.0%	926	0.7%
Endocrine, Nutritional and Metabolic Diseases	1,166	61.1%	191	10.0%	25	1.3%	2	0.1%	513	26.9%	9	0.5%	2	0.1%	1,908	1.4%
Mental, Behavioral and Neurodevelopmental Disorders	50	29.6%	46	27.2%	5	3.0%	-	0.0%	68	40.2%	-	0.0%	-	0.0%	169	0.1%
Diseases of the Nervous System	2,898	38.9%	1,235	16.6%	178	2.4%	108	1.5%	3,000	40.3%	16	0.2%	13	0.2%	7,448	5.5%
Diseases of the Eye and Adnexa	4,591	75.1%	232	3.8%	82	1.3%	4	0.1%	1,184	19.4%	17	0.3%	7	0.1%	6,117	4.6%
Diseases of the Ear and Mastoid Process	2,249	73.0%	366	11.9%	45	1.5%	3	0.1%	410	13.3%	7	0.2%	1	0.0%	3,081	2.3%
Diseases of the Circulatory System	2,070	59.5%	278	8.0%	56	1.6%	-	0.0%	1,062	30.5%	9	0.3%	3	0.1%	3,478	2.6%
Diseases of the Respiratory System	3,066	49.9%	955	15.6%	141	2.3%	3	0.0%	1,943	31.6%	23	0.4%	9	0.1%	6,140	4.6%
Diseases of the Digestive System	3,917	39.0%	1,548	15.4%	159	1.6%	46	0.5%	4,290	42.8%	58	0.6%	17	0.2%	10,035	7.5%
Diseases of the Skin and Subcutaneous Tissue	4,766	86.3%	235	4.3%	81	1.5%	2	0.0%	435	7.9%	3	0.1%	1	0.0%	5,523	4.1%
Diseases of the Musculoskeletal System and Connective Tissue	11,036	52.4%	2,182	10.4%	479	2.3%	646	3.1%	6,566	31.2%	39	0.2%	95	0.5%	21,043	15.7%
Diseases of the Genitourinary System	6,359	57.1%	1,350	12.1%	160	1.4%	1	0.0%	3,181	28.6%	72	0.6%	10	0.1%	11,133	8.3%
Pregnancy, Childbirth and the Puerperium	60	1.5%	1,804	45.2%	60	1.5%	1	0.0%	2,027	50.8%	35	0.9%	-	0.0%	3,987	3.0%
Certain Conditions Originating in the Perinatal Period	1	6.3%	5	31.3%	1	6.3%	-	0.0%	9	56.3%	-	0.0%	-	0.0%	16	0.0%
Congenital Malformations, Deformations and Chromosomal Abnormalities	42	11.4%	114	31.0%	7	1.9%	-	0.0%	201	54.6%	2	0.5%	2	0.5%	368	0.3%
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	6,009	48.2%	1,797	14.4%	238	1.9%	24	0.2%	4,311	34.6%	71	0.6%	14	0.1%	12,464	9.3%
Injury, Poisoning and Certain Other Consequences of External Causes	1,199	27.1%	776	17.5%	103	2.3%	291	6.6%	1,938	43.7%	78	1.8%	47	1.1%	4,432	3.3%
External Causes of Morbidity	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Factors Influencing Health Status and Contact with Health Services	7,599	32.2%	2,280	9.7%	392	1.7%	6	0.0%	12,107	51.4%	1,160	4.9%	22	0.1%	23,566	17.6%
Total	66,195	49.3%	16,328	12.2%	2,397	1.8%	1,138	0.8%	46,316	34.5%	1,640	1.2%	248	0.2%	134,262	100.0%

"Other" payer includes self-pay, no charge, and other sources of payment.

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

CCSR Diagnosis Groups are based on the first listed diagnosis code.

Table O-9
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-Residents
Clinical Classifications Software (CCS) High Level Procedure Groups by Principal Payer

CCS High Level Procedure Groups	Principal Payer															
	Medicare		Medicaid		Other Govt		Workers Comp.		Private Insurance		Other		Unknown		Total	
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Col%
Operations on the nervous system	7,294	43.0%	2,450	14.4%	439	2.6%	441	2.6%	6,224	36.7%	35	0.2%	89	0.5%	16,972	12.6%
Operations on the endocrine system	102	41.6%	32	13.1%	5	2.0%	-	0.0%	106	43.3%	-	0.0%	-	0.0%	245	0.2%
Operations on the eye	4,990	75.3%	262	4.0%	90	1.4%	4	0.1%	1,254	18.9%	22	0.3%	7	0.1%	6,629	4.9%
Operations on the ear	2,022	76.0%	298	11.2%	36	1.4%	2	0.1%	294	11.1%	7	0.3%	-	0.0%	2,659	2.0%
Operations on the nose, mouth, and pharynx	1,737	47.2%	725	19.7%	87	2.4%	-	0.0%	1,119	30.4%	8	0.2%	4	0.1%	3,680	2.7%
Operations on the respiratory system	5,533	51.1%	1,411	13.0%	202	1.9%	7	0.1%	3,570	33.0%	82	0.8%	20	0.2%	10,825	8.1%
Operations on the cardiovascular system	3,965	60.1%	615	9.3%	108	1.6%	1	0.0%	1,876	28.5%	26	0.4%	2	0.0%	6,593	4.9%
Operations on the hemic and lymphatic system	275	47.3%	63	10.8%	8	1.4%	-	0.0%	232	39.9%	3	0.5%	-	0.0%	581	0.4%
Operations on the digestive system	15,528	41.1%	4,152	11.0%	647	1.7%	47	0.1%	17,192	45.5%	148	0.4%	39	0.1%	37,753	28.1%
Operations on the urinary system	4,244	72.7%	402	6.9%	85	1.5%	1	0.0%	1,081	18.5%	20	0.3%	4	0.1%	5,837	4.3%
Operations on the male genital organs	593	42.8%	214	15.4%	40	2.9%	1	0.1%	514	37.1%	23	1.7%	2	0.1%	1,387	1.0%
Operations on the female genital organs	1,024	20.9%	1,176	24.0%	58	1.2%	-	0.0%	2,598	53.1%	38	0.8%	2	0.0%	4,896	3.6%
Obstetrical procedures	57	1.5%	1,749	46.4%	60	1.6%	1	0.0%	1,874	49.7%	32	0.8%	-	0.0%	3,773	2.8%
Operations on the musculoskeletal system	7,777	47.1%	1,870	11.3%	335	2.0%	618	3.7%	5,730	34.7%	99	0.6%	67	0.4%	16,496	12.3%
Operations on the integumentary system	11,054	69.4%	909	5.7%	197	1.2%	15	0.1%	2,652	16.6%	1,097	6.9%	12	0.1%	15,936	11.9%
Total	66,195	49.3%	16,328	12.2%	2,397	1.8%	1,138	0.8%	46,316	34.5%	1,640	1.2%	248	0.2%	134,262	100.0%

"Other" payer includes self-pay, no charge, and other sources of payment.

Outpatient procedures are outpatient visits that did not originate in the ED and that have a primary CPT code in CCS high-level groups 1 through 15.

CCS procedure groups are based on primary CPT.

Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Incision & excision of CNS																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 23,023	-	\$ 23,023
Insertion, replacem, rem of extracranial ventricular shunt																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	18
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 6,550	-	\$ 6,550
Laminectomy, excision intervertebral disc																
N	-	-	-	16	-	-	-	-	18	-	74	-	-	256	-	364
Avg\$	-	-	-	\$ 30,891	-	-	-	-	\$ 34,049	-	\$ 18,844	-	-	\$ 18,660	-	\$ 19,996
Diagnostic spinal tap																
N	-	10	2	4	-	-	-	-	-	-	4	5	-	76	-	101
Avg\$	-	\$ 2,408	\$ 3,197	\$ 5,528	-	-	-	-	-	-	\$ 1,804	\$ 3,783	-	\$ 3,199	-	\$ 3,186
Insert cath, spinal stimulator, inject into spinal canal																
N	-	474	134	114	-	56	2	104	-	-	895	265	-	1,764	1	3,809
Avg\$	-	\$ 1,007	\$ 1,610	\$ 1,791	-	\$ 2,448	\$ 3,568	\$ 1,789	-	-	\$ 1,965	\$ 3,149	-	\$ 2,268	\$ 74,080	\$ 2,073
Decompression peripheral nerve																
N	107	170	149	54	-	-	72	102	72	55	226	115	88	366	82	1,658
Avg\$	\$ 5,153	\$ 5,818	\$ 6,079	\$ 13,348	-	-	\$ 9,525	\$ 9,264	\$ 5,528	\$ 6,716	\$ 6,115	\$ 4,789	\$ 2,920	\$ 4,531	\$ 3,760	\$ 5,863
Other diagnostic nervous system procedures																
N	-	-	143	221	-	485	356	-	100	-	1,302	797	-	3,578	-	6,982
Avg\$	-	-	\$ 3,632	\$ 491	-	\$ 1,325	\$ 7,582	-	\$ 1,596	-	\$ 3,080	\$ 2,231	-	\$ 3,204	-	\$ 3,062
Other non-OR or closed therapeutic nerv syst procs																
N	1	613	55	21	-	80	1	122	1	2	355	22	-	2,615	-	3,888
Avg\$	\$ 649	\$ 3,420	\$ 1,690	\$ 2,078	-	\$ 5,138	\$ 3,413	\$ 5,128	\$ 569	\$ 141	\$ 2,648	\$ 3,788	-	\$ 5,218	-	\$ 4,615
Other OR therapeutic nervous system procedures																
N	-	20	5	2	-	3	-	7	3	3	25	3	1	78	1	151
Avg\$	-	\$ 9,772	\$ 15,173	\$ 17,375	-	\$ 5,473	-	\$ 12,785	\$ 6,245	\$ 8,574	\$ 19,287	\$ 11,279	\$ 7,411	\$ 9,919	\$ 21,000	\$ 11,752
Thyroidectomy, partial or complete																
N	-	2	-	-	-	-	-	-	3	1	9	13	-	99	-	127
Avg\$	-	\$ 16,885	-	-	-	-	-	-	\$ 20,317	\$ 37,350	\$ 16,515	\$ 24,910	-	\$ 19,741	-	\$ 20,148
Diagnostic endocrine procedures																
N	-	-	-	-	-	-	-	-	-	-	6	-	-	31	-	37
Avg\$	-	-	-	-	-	-	-	-	-	-	\$ 1,094	-	-	\$ 746	-	\$ 802
Other therapeutic endocrine procedures																
N	-	-	-	-	-	-	-	-	-	-	8	6	-	67	-	81
Avg\$	-	-	-	-	-	-	-	-	-	-	\$ 16,982	\$ 34,180	-	\$ 16,664	-	\$ 17,993

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
Column headers denote hospitals: see Appendix K.
Use charge data with caution. See Appendix A for details.

Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
 Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Corneal transplant																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 32,612	-	\$ 32,612
Glaucoma procedures																
N	-	8	-	-	-	-	-	3	-	-	90	-	-	222	-	323
Avg\$	-	\$ 10,287	-	-	-	-	-	\$ 24,646	-	-	\$ 1,524	-	-	\$ 4,457	-	\$ 3,972
Lens & cataract procedures																
N	383	730	98	114	-	355	-	499	356	430	377	-	-	779	3	4,124
Avg\$	\$ 6,250	\$ 6,420	\$ 6,650	\$ 8,845	-	\$ 10,444	-	\$ 12,345	\$ 6,457	\$ 4,233	\$ 5,828	-	-	\$ 5,178	\$ 6,158	\$ 7,026
Repair of retinal tear, detachment																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	247	29	276
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,159	\$ 5,563	\$ 6,991
Destruction of lesion of retina & choroid																
N	4	-	-	-	-	-	-	-	-	-	-	-	-	175	-	179
Avg\$	\$ 1,210	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,857	-	\$ 1,843
Diagnostic procedures on eye																
N	-	-	-	-	-	-	-	-	-	-	8	-	-	23	2	33
Avg\$	-	-	-	-	-	-	-	-	-	-	\$ 1,365	-	-	\$ 1,681	\$ 6,513	\$ 1,897
Other therapeutic procedures on eyelids, conjunctiva, cornea																
N	3	5	-	1	-	-	-	-	1	24	117	5	-	264	25	445
Avg\$	\$ 2,716	\$ 7,253	-	\$ 8,404	-	-	-	-	\$ 6,569	\$ 5,484	\$ 3,193	\$ 6,254	-	\$ 5,360	\$ 5,089	\$ 4,802
Other intraocular therapeutic procedures																
N	-	1	-	-	-	-	-	-	-	-	-	-	-	1,126	48	1,175
Avg\$	-	\$ 9,948	-	-	-	-	-	-	-	-	-	-	-	\$ 1,100	\$ 5,482	\$ 1,286
Other extraocular muscle & orbit therapeutic procedures																
N	-	-	-	40	-	-	-	-	-	-	-	-	-	31	2	73
Avg\$	-	-	-	\$ 14,747	-	-	-	-	-	-	-	-	-	\$ 13,235	\$ 3,338	\$ 13,793
Tympanoplasty																
N	-	5	-	-	-	-	-	3	1	12	15	-	1	17	-	54
Avg\$	-	\$ 12,217	-	-	-	-	-	\$ 7,923	\$ 6,061	\$ 12,916	\$ 9,011	-	\$ 23,058	\$ 19,212	-	\$ 13,532
Myringotomy																
N	-	4	-	-	-	-	4	10	12	16	48	-	5	187	-	286
Avg\$	-	\$ 5,233	-	-	-	-	\$ 7,966	\$ 7,382	\$ 5,211	\$ 4,730	\$ 2,351	-	\$ 3,258	\$ 5,145	-	\$ 4,741
Mastoidectomy																
N	-	2	-	-	-	-	-	-	-	-	2	-	-	8	-	12
Avg\$	-	\$ 22,848	-	-	-	-	-	-	-	-	\$ 20,134	-	-	\$ 31,795	-	\$ 28,360

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
 Column headers denote hospitals: see Appendix K.
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Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
 Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Diagnostic procedures on ear																
N	-	-	-	-	-	-	1	-	-	-	19	-	-	13	-	33
Avg\$	-	-	-	-	-	-	\$ 3,371	-	-	-	\$ 1,554	-	-	\$ 572	-	\$ 1,222
Other therapeutic ear procedures																
N	-	20	1	-	-	-	-	4	2	5	1,347	-	10	885	-	2,274
Avg\$	-	\$ 1,413	\$ 6,896	-	-	-	-	\$ 7,955	\$ 4,789	\$ 4,435	\$ 254	-	\$ 4,350	\$ 578	-	\$ 438
Control of epistaxis																
N	-	-	-	-	-	-	-	1	4	3	117	-	-	30	-	155
Avg\$	-	-	-	-	-	-	-	\$ 6,900	\$ 6,136	\$ 7,075	\$ 695	-	-	\$ 1,692	-	\$ 1,192
Plastic procedures on nose																
N	-	11	-	-	-	-	3	2	-	21	27	1	9	5	-	79
Avg\$	-	\$ 13,248	-	-	-	-	\$ 13,505	\$ 17,829	-	\$ 13,675	\$ 10,843	\$ 11,993	\$ 14,523	\$ 25,071	-	\$ 13,543
Dental procedures																
N	13	6	-	-	-	-	-	-	-	-	-	1	-	16	1	37
Avg\$	\$ 15,858	\$ 28,239	-	-	-	-	-	-	-	-	-	\$ 6,945	-	\$ 14,850	\$ 11,752	\$ 17,078
Tonsillectomy and/or adenoidectomy																
N	-	35	-	-	-	-	16	22	75	34	71	-	9	101	-	363
Avg\$	-	\$ 10,096	-	-	-	-	\$ 10,550	\$ 16,212	\$ 6,698	\$ 10,321	\$ 7,856	-	\$ 8,440	\$ 8,402	-	\$ 8,855
Diagnostic procedures on nose, mouth & pharynx																
N	4	51	1	19	-	3	14	1	49	17	917	58	79	1,158	-	2,371
Avg\$	\$ 338	\$ 1,233	\$ 228	\$ 381	-	\$ 315	\$ 843	\$ 33,185	\$ 991	\$ 2,332	\$ 848	\$ 877	\$ 785	\$ 935	-	\$ 919
Other non-OR therapeutic procedures on nose, mouth & pharynx																
N	-	6	-	9	-	1	4	-	3	4	33	4	2	88	-	154
Avg\$	-	\$ 3,771	-	\$ 815	-	\$ 422	\$ 2,959	-	\$ 5,333	\$ 4,860	\$ 3,389	\$ 413	\$ 7,930	\$ 1,613	-	\$ 2,266
Other OR therapeutic procedures on nose, mouth & pharynx																
N	-	33	-	-	-	-	3	5	161	61	68	-	17	172	1	521
Avg\$	-	\$ 14,487	-	-	-	-	\$ 9,436	\$ 19,194	\$ 9,099	\$ 10,968	\$ 8,473	-	\$ 9,776	\$ 19,663	-	\$ 13,194
Tracheostomy, temporary & permanent																
N	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	4
Avg\$	-	-	-	-	-	-	-	-	-	-	-	\$ 4,077	-	\$ 13,115	-	\$ 10,856
Tracheoscopy & laryngoscopy with biopsy																
N	-	18	-	-	-	-	-	1	8	4	809	-	3	662	-	1,505
Avg\$	-	\$ 3,618	-	-	-	-	-	\$ 11,765	\$ 7,973	\$ 7,171	\$ 577	-	\$ 12,351	\$ 1,369	-	\$ 1,050
Diagnostic bronchoscopy & biopsy of bronchus																
N	-	14	-	-	-	-	4	3	19	-	33	4	-	295	-	372
Avg\$	-	\$ 6,516	-	-	-	-	\$ 16,655	\$ 14,079	\$ 3,083	-	\$ 9,535	\$ 5,115	-	\$ 13,007	-	\$ 11,911

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
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Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
 Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Other diagnostic procedures on lung & bronchus																
N	308	922	116	226	-	101	352	294	592	1	1,064	255	154	4,176	-	8,561
Avg\$	\$ 1,168	\$ 829	\$ 699	\$ 1,606	-	\$ 1,032	\$ 1,794	\$ 1,051	\$ 351	\$ 362	\$ 1,364	\$ 1,039	\$ 606	\$ 1,260	-	\$ 1,155
Incision of pleura, thoracentesis, chest drainage																
N	-	2	8	1	-	-	9	31	1	-	23	8	-	147	-	230
Avg\$	-	\$ 2,587	\$ 1,718	\$ 2,475	-	-	\$ 3,594	\$ 12,292	\$ 385	-	\$ 5,181	\$ 3,123	-	\$ 3,569	-	\$ 4,800
Other diagnostic proc of respiratory tract & mediastinum																
N	-	-	-	-	-	-	3	-	-	-	20	-	-	6	-	29
Avg\$	-	-	-	-	-	-	\$ 386	-	-	-	\$ 368	-	-	\$ 132	-	\$ 321
Other non-OR therapeutic procedures on respiratory system																
N	-	-	-	-	-	2	1	-	-	-	3	-	-	14	-	20
Avg\$	-	-	-	-	-	\$ 374	\$ 594	-	-	-	\$ 10,175	-	-	\$ 5,487	-	\$ 5,434
Other OR therapeutic procedures on respiratory system																
N	-	12	-	-	-	-	-	-	7	6	8	-	4	67	-	104
Avg\$	-	\$ 9,646	-	-	-	-	-	-	\$ 7,743	\$ 7,797	\$ 10,183	-	\$ 8,093	\$ 12,125	-	\$ 10,990
Heart valve procedures																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 128,960	-	\$ 128,960
Coronary artery bypass graft (CABG)																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 18,466	-	\$ 18,466
Percutaneous transluminal coronary angioplasty (PTCA)																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	267	-	267
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 50,033	-	\$ 50,033
Diagnostic cardiac catheterization, coronary arteriography																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	756	-	756
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 15,951	-	\$ 15,951
Insert, revis, replacet, rem pacemaker or cardioverter/defib																
N	-	22	-	-	-	-	-	-	-	-	9	26	-	176	-	233
Avg\$	-	\$ 21,002	-	-	-	-	-	-	-	-	\$ 22,488	\$ 15,610	-	\$ 39,289	-	\$ 34,271
Endarterectomy, vessel of head & neck																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 27,854	-	\$ 27,854
Varicose vein stripping, lower limb																
N	3	3	-	-	-	-	2	1	-	-	-	-	-	56	-	65
Avg\$	\$ 8,403	\$ 8,020	-	-	-	-	\$ 21,794	\$ 20,833	-	-	-	-	-	\$ 11,539	-	\$ 11,691

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
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CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Other vascular catheterization, not heart																
N	16	93	28	4	-	3	13	23	11	8	125	79	4	701	-	1,108
Avg\$	\$ 10,765	\$ 9,199	\$ 8,980	\$ 18,152	-	\$ 19,500	\$ 18,922	\$ 14,732	\$ 2,323	\$ 8,808	\$ 8,087	\$ 8,436	\$ 10,656	\$ 15,073	-	\$ 12,976
Other vascular bypass & shunt, not heart																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 3,052	-	\$ 3,052
Creat, revis, rem of arteriovenous fistula or cannula for dialysis																
N	-	-	-	-	-	-	-	-	-	-	26	-	-	182	-	208
Avg\$	-	-	-	-	-	-	-	-	-	-	\$ 18,327	-	-	\$ 17,398	-	\$ 17,514
Hemodialysis																
N	-	-	-	-	-	-	-	-	-	-	-	7	-	49	-	56
Avg\$	-	-	-	-	-	-	-	-	-	-	-	\$ 13,514	-	\$ 7,585	-	\$ 8,326
Other OR procedures on vessels of head & neck																
N	-	9	-	4	-	-	6	1	6	2	9	8	1	37	-	83
Avg\$	-	\$ 3,605	-	\$ 20,193	-	-	\$ 10,701	\$ 8,116	\$ 3,859	\$ 5,383	\$ 4,996	\$ 1,693	\$ 13,002	\$ 1,338	-	\$ 4,102
Embolectomy & endarterectomy of lower limbs																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 18,309	-	\$ 18,309
Other OR procedures on vessels other than head & neck																
N	1	-	-	-	-	-	-	-	-	-	14	-	-	151	-	166
Avg\$	\$ 22,965	-	-	-	-	-	-	-	-	-	\$ 26,773	-	-	\$ 38,222	-	\$ 37,165
Other diagnostic cardiovascular procedures																
N	97	57	-	28	-	-	1	-	-	-	107	61	-	304	-	655
Avg\$	\$ 943	\$ 629	-	\$ 545	-	-	\$ 234	-	-	-	\$ 4,337	\$ 146	-	\$ 3,058	-	\$ 2,359
Other non-OR therapeutic cardiovascular procedures																
N	35	225	137	3	-	2	69	481	195	49	417	254	22	1,098	2	2,989
Avg\$	\$ 4,985	\$ 2,793	\$ 820	\$ 3,796	-	\$ 6,423	\$ 4,732	\$ 1,429	\$ 547	\$ 2,074	\$ 1,898	\$ 836	\$ 154	\$ 3,553	\$ 1,800	\$ 2,366
Bone marrow transplant																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	28
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,924	-	\$ 7,924
Bone marrow biopsy																
N	5	1	-	-	-	-	-	-	-	-	44	17	-	84	-	151
Avg\$	\$ 11,828	\$ 1,829	-	-	-	-	-	-	-	-	\$ 10,705	\$ 6,051	-	\$ 4,531	-	\$ 6,725
Procedures on spleen																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 52,065	-	\$ 52,065

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	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Other therap procedures, hemic & lymphatic system																
N	7	11	4	3	-	-	13	5	5	3	89	16	-	244	1	401
Avg\$	\$ 11,334	\$ 12,988	\$ 12,890	\$ 20,825	-	-	\$ 15,326	\$ 20,640	\$ 7,848	\$ 7,290	\$ 11,766	\$ 5,613	-	\$ 22,388	\$ 3,900	\$ 18,213
Injection or ligation of esophageal varices																
N	3	3	-	-	-	-	-	-	-	-	7	4	-	19	-	36
Avg\$	\$ 4,542	\$ 4,937	-	-	-	-	-	-	-	-	\$ 5,066	\$ 2,646	-	\$ 4,585	-	\$ 4,489
Esophageal dilatation																
N	45	57	8	-	-	6	16	4	-	10	25	29	3	100	47	350
Avg\$	\$ 4,971	\$ 5,346	\$ 3,837	-	-	\$ 4,050	\$ 7,415	\$ 5,981	-	\$ 5,396	\$ 6,448	\$ 3,168	\$ 5,218	\$ 5,132	\$ 2,604	\$ 4,812
]Upper gastrointestinal endoscopy, biopsy																
N	406	461	147	45	-	123	199	123	635	192	593	652	230	2,302	341	6,449
Avg\$	\$ 5,605	\$ 4,437	\$ 4,110	\$ 7,342	-	\$ 4,768	\$ 7,416	\$ 7,070	\$ 3,139	\$ 4,588	\$ 6,350	\$ 3,193	\$ 3,565	\$ 5,548	\$ 1,574	\$ 4,813
Gastrostomy, temporary & permanent																
N	1	8	-	-	-	3	2	-	7	-	16	3	-	62	-	102
Avg\$	\$ 6,494	\$ 3,362	-	-	-	\$ 2,517	\$ 9,515	-	\$ 1,330	-	\$ 4,417	\$ 6,378	-	\$ 4,303	-	\$ 4,175
Colostomy, temporary & permanent																
N	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,454	-	-	\$ 7,454
Ileostomy & other enterostomy																
N	-	-	-	-	-	-	-	-	-	-	6	-	-	10	-	16
Avg\$	-	-	-	-	-	-	-	-	-	-	\$ 2,883	-	-	\$ 3,981	-	\$ 3,569
Small bowel resection																
N	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Avg\$	-	-	-	-	-	-	\$ 87,464	-	-	-	-	-	-	-	-	\$ 87,464
Colonoscopy & biopsy																
N	1,122	2,608	809	426	-	331	1,051	649	1,746	1,306	1,901	2,652	706	4,901	1,723	21,931
Avg\$	\$ 3,867	\$ 5,251	\$ 4,262	\$ 6,277	-	\$ 2,745	\$ 7,080	\$ 7,056	\$ 2,042	\$ 3,929	\$ 6,465	\$ 3,283	\$ 3,292	\$ 5,350	\$ 1,932	\$ 4,498
Proctoscopy & anorectal biopsy																
N	26	21	15	-	-	8	26	6	15	3	47	39	16	434	23	679
Avg\$	\$ 3,119	\$ 2,067	\$ 3,410	-	-	\$ 2,295	\$ 7,203	\$ 6,670	\$ 1,654	\$ 3,099	\$ 2,633	\$ 2,211	\$ 2,548	\$ 1,622	\$ 1,365	\$ 2,121
Colorectal resection																
N	1	1	2	-	-	-	6	-	-	2	2	-	-	3	-	17
Avg\$	\$ 6,310	\$ 7,531	\$ 7,724	-	-	-	\$ 17,935	-	-	\$ 19,882	\$ 8,126	-	-	\$ 10,835	-	\$ 13,260
Appendectomy																
N	9	4	6	1	-	9	2	4	4	4	12	2	-	30	-	87
Avg\$	\$ 17,662	\$ 17,166	\$ 19,687	\$ 25,678	-	\$ 17,297	\$ 21,288	\$ 29,788	\$ 10,274	\$ 18,169	\$ 10,574	\$ 13,690	-	\$ 21,202	-	\$ 18,310

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	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Hemorrhoid procedures																
N	5	12	3	11	-	4	21	10	28	3	30	16	10	108	4	265
Avg\$	\$ 8,725	\$ 6,016	\$ 12,782	\$ 17,238	-	\$ 17,774	\$ 17,101	\$ 13,646	\$ 5,401	\$ 8,071	\$ 4,907	\$ 8,639	\$ 9,363	\$ 3,431	\$ 4,500	\$ 6,994
Endoscopic retrograde cannulation of pancreas (ERCP)																
N	-	-	-	-	-	-	-	-	-	-	-	12	-	88	-	100
Avg\$	-	-	-	-	-	-	-	-	-	-	-	\$ 11,619	-	\$ 14,242	-	\$ 13,928
Biopsy of liver																
N	-	-	-	-	-	10	4	-	4	-	18	6	-	92	-	134
Avg\$	-	-	-	-	-	\$ 9,186	\$ 7,034	-	\$ 14,935	-	\$ 6,210	\$ 4,465	-	\$ 6,788	-	\$ 7,036
Cholecystectomy & common duct exploration																
N	29	103	40	14	-	43	75	28	163	63	91	70	22	118	-	859
Avg\$	\$ 14,485	\$ 16,228	\$ 16,996	\$ 26,476	-	\$ 28,031	\$ 21,712	\$ 29,595	\$ 12,283	\$ 20,844	\$ 12,044	\$ 11,956	\$ 12,062	\$ 15,349	-	\$ 16,448
Inguinal & femoral hernia repair																
N	63	140	71	23	-	34	52	44	91	64	123	100	42	277	18	1,142
Avg\$	\$ 11,239	\$ 11,586	\$ 16,296	\$ 31,691	-	\$ 25,339	\$ 25,554	\$ 26,233	\$ 11,890	\$ 12,986	\$ 12,822	\$ 14,182	\$ 9,259	\$ 13,597	\$ 6,703	\$ 14,663
Other hernia repair																
N	43	63	17	14	-	19	54	20	94	31	105	100	15	175	8	758
Avg\$	\$ 10,704	\$ 11,640	\$ 15,957	\$ 28,587	-	\$ 25,543	\$ 27,715	\$ 21,326	\$ 11,169	\$ 11,404	\$ 14,521	\$ 11,827	\$ 11,256	\$ 16,060	\$ 5,649	\$ 15,051
Laparoscopy																
N	1	1	3	-	-	3	10	2	10	5	1	14	3	48	2	103
Avg\$	\$ 10,554	\$ 17,807	\$ 13,778	-	-	\$ 20,567	\$ 15,250	\$ 32,303	\$ 11,442	\$ 12,754	\$ 10,196	\$ 11,316	\$ 12,375	\$ 18,703	\$ 6,850	\$ 15,960
Abdominal paracentesis																
N	19	43	-	1	-	1	16	17	14	-	74	62	1	217	-	465
Avg\$	\$ 5,077	\$ 1,779	-	\$ 4,341	-	\$ 1,529	\$ 3,950	\$ 11,033	\$ 1,078	-	\$ 2,947	\$ 3,143	\$ 1,822	\$ 2,063	-	\$ 2,811
Exploratory laparotomy																
N	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	3
Avg\$	-	-	-	-	-	-	\$ 37,618	-	-	-	-	-	-	\$ 16,134	-	\$ 23,296
Excision, lysis peritoneal adhesions																
N	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
Avg\$	\$ 27,125	-	-	-	-	-	-	-	-	-	-	-	-	\$ 24,366	-	\$ 25,745
Peritoneal dialysis																
N	-	-	-	-	-	-	-	-	-	-	-	96	-	3,289	-	3,385
Avg\$	-	-	-	-	-	-	-	-	-	-	-	\$ 41,657	-	\$ 11,328	-	\$ 12,188
Other non-OR upper GI therapeutic procedures																
N	-	1	-	-	-	-	-	-	-	-	1	5	-	3	2	12
Avg\$	-	\$ 7,729	-	-	-	-	-	-	-	-	\$ 11,812	\$ 3,075	-	\$ 4,565	\$ 3,500	\$ 4,634

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	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Other OR upper GI therapeutic procedures																
N	-	1	-	-	-	2	-	-	-	-	1	1	1	37	-	43
Avg\$	-	\$ 9,477	-	-	-	\$ 45,367	-	-	-	-	\$ 7,134	\$ 11,039	\$ 11,503	\$ 19,776	-	\$ 20,037
Other non-OR lower GI therapeutic procedures																
N	2	5	1	-	-	2	5	2	15	-	18	7	1	34	-	92
Avg\$	\$ 6,299	\$ 7,239	\$ 14,568	-	-	\$ 14,744	\$ 10,257	\$ 12,656	\$ 3,300	-	\$ 7,250	\$ 6,015	\$ 1,735	\$ 6,537	-	\$ 6,691
Other OR lower GI therapeutic procedures																
N	7	10	1	2	-	2	17	1	23	3	11	5	2	89	-	173
Avg\$	\$ 9,082	\$ 8,612	\$ 10,592	\$ 16,097	-	\$ 16,312	\$ 19,280	\$ 14,890	\$ 5,331	\$ 7,698	\$ 9,239	\$ 11,244	\$ 7,843	\$ 7,315	-	\$ 8,890
Other gastrointestinal diagnostic procedures																
N	3	10	1	-	-	-	1	1	1	-	-	7	-	288	-	312
Avg\$	\$ 6,072	\$ 3,393	\$ 8,742	-	-	-	\$ 11,537	\$ 11,045	\$ 7,047	-	-	\$ 5,483	-	\$ 2,243	-	\$ 2,483
Other non-OR gastrointestinal therapeutic procedures																
N	1	28	-	-	-	-	2	-	-	1	-	2	-	138	-	172
Avg\$	\$ 13,368	\$ 4,506	-	-	-	-	\$ 2,699	-	-	\$ 8,199	-	\$ 4,739	-	\$ 5,164	-	\$ 5,089
Other OR gastrointestinal therapeutic procedures																
N	-	1	-	-	-	-	1	-	1	1	13	1	-	45	-	63
Avg\$	-	\$ 3,980	-	-	-	-	\$ 16,225	-	\$ 9,836	\$ 19,019	\$ 11,655	\$ 7,456	-	\$ 9,887	-	\$ 10,364
Endoscopy & endoscopic biopsy of the urinary tract																
N	11	35	4	18	-	4	11	27	8	9	428	20	8	1,077	1	1,661
Avg\$	\$ 9,746	\$ 7,085	\$ 7,234	\$ 9,931	-	\$ 7,913	\$ 12,995	\$ 11,662	\$ 8,059	\$ 13,879	\$ 2,116	\$ 9,658	\$ 19,478	\$ 1,641	\$ 950	\$ 2,567
Transurethral excision, drainage, rem urinary obstruction																
N	35	35	12	18	-	9	22	43	16	29	125	39	22	402	-	807
Avg\$	\$ 12,569	\$ 10,881	\$ 11,056	\$ 15,924	-	\$ 11,879	\$ 19,012	\$ 16,688	\$ 8,249	\$ 13,703	\$ 6,711	\$ 9,292	\$ 13,308	\$ 5,939	-	\$ 8,527
Ureteral catheterization																
N	15	54	6	9	-	5	11	18	22	22	18	25	7	165	-	377
Avg\$	\$ 10,968	\$ 7,352	\$ 8,969	\$ 10,552	-	\$ 11,488	\$ 20,718	\$ 11,654	\$ 8,899	\$ 11,188	\$ 9,883	\$ 9,086	\$ 11,246	\$ 13,130	-	\$ 11,399
Nephrotomy & nephrostomy																
N	2	-	-	-	-	-	1	-	-	-	3	1	-	128	-	135
Avg\$	\$ 22,830	-	-	-	-	-	\$ 45,081	-	-	-	\$ 3,642	\$ 23,103	-	\$ 12,815	-	\$ 13,075
Nephrectomy, partial or complete																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	21
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 30,561	-	\$ 30,561
Genitourinary incontinence procedures																
N	-	2	-	12	-	-	5	6	6	1	6	1	-	49	4	92
Avg\$	-	\$ 21,063	-	\$ 16,405	-	-	\$ 13,886	\$ 9,627	\$ 11,386	\$ 8,801	\$ 13,980	\$ 13,219	-	\$ 17,346	\$ 12,278	\$ 15,646

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Extracorporeal lithotripsy, urinary																
N	45	89	27	45	-	17	41	16	32	57	176	91	28	232	-	896
Avg\$	\$ 14,377	\$ 12,536	\$ 8,430	\$ 13,155	-	\$ 12,273	\$ 27,996	\$ 25,996	\$ 9,843	\$ 14,252	\$ 19,365	\$ 21,252	\$ 29,763	\$ 15,579	-	\$ 17,045
Indwelling catheter																
N	-	3	1	-	-	-	1	-	-	-	216	-	-	315	-	536
Avg\$	-	\$ 403	\$ 6,427	-	-	-	\$ 280	-	-	-	\$ 397	-	-	\$ 368	-	\$ 391
Procedures on the urethra																
N	4	3	1	3	-	1	4	3	3	2	57	-	1	89	1	172
Avg\$	\$ 8,360	\$ 4,989	\$ 8,403	\$ 13,272	-	\$ 8,121	\$ 11,624	\$ 11,081	\$ 7,829	\$ 7,920	\$ 2,711	-	\$ 30,216	\$ 7,017	-	\$ 6,041
Other diagnostic procedures of urinary tract																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	85
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,717	-	\$ 7,717
Other non-OR therapeutic procedures of urinary tract																
N	-	3	-	4	-	-	-	2	-	2	64	-	-	707	-	782
Avg\$	-	\$ 6,060	-	\$ 5,629	-	-	-	\$ 26,229	-	\$ 13,226	\$ 691	-	-	\$ 1,222	-	\$ 1,314
Other OR therapeutic procedures of urinary tract																
N	5	7	4	14	-	4	2	14	1	14	51	14	19	120	4	273
Avg\$	\$ 10,614	\$ 11,809	\$ 7,040	\$ 8,301	-	\$ 16,099	\$ 10,446	\$ 14,368	\$ 10,387	\$ 11,034	\$ 8,414	\$ 8,300	\$ 8,896	\$ 15,070	\$ 3,081	\$ 11,965
Transurethral resection of prostate (TURP)																
N	1	2	12	5	-	-	11	3	-	12	11	14	4	47	-	122
Avg\$	\$ 9,974	\$ 13,094	\$ 13,663	\$ 35,096	-	-	\$ 32,820	\$ 33,213	-	\$ 21,499	\$ 12,320	\$ 11,760	\$ 20,002	\$ 12,779	-	\$ 17,008
Open prostatectomy																
N	-	-	-	-	-	-	-	-	-	1	1	-	-	4	-	6
Avg\$	-	-	-	-	-	-	-	-	-	\$ 39,159	\$ 8,880	-	-	\$ 30,398	-	\$ 28,272
Circumcision																
N	6	59	1	5	-	-	18	9	2	50	14	14	8	82	-	268
Avg\$	\$ 8,489	\$ 3,285	\$ 12,169	\$ 13,968	-	-	\$ 4,645	\$ 14,056	\$ 7,633	\$ 555	\$ 6,710	\$ 3,015	\$ 9,314	\$ 9,613	-	\$ 5,891
Diagnostic procedures, male genital																
N	30	12	1	-	-	4	16	1	-	1	79	51	1	284	-	480
Avg\$	\$ 837	\$ 5,769	\$ 8,256	-	-	\$ 6,768	\$ 9,358	\$ 19,231	-	\$ 9,629	\$ 5,236	\$ 1,798	\$ 5,671	\$ 2,517	-	\$ 3,196
Other non-OR therapeutic procedures, male genital																
N	1	17	-	1	-	-	5	-	1	-	64	-	1	61	-	151
Avg\$	\$ 8,418	\$ 6,122	-	\$ 18,018	-	-	\$ 14,465	-	\$ 7,327	-	\$ 5,181	-	\$ 5,582	\$ 7,405	-	\$ 6,616
Other OR therapeutic procedures, male genital																
N	10	18	3	5	-	5	9	7	7	17	37	13	7	222	-	360
Avg\$	\$ 11,935	\$ 10,438	\$ 11,610	\$ 16,912	-	\$ 13,871	\$ 27,637	\$ 13,911	\$ 10,942	\$ 14,379	\$ 13,203	\$ 8,899	\$ 21,795	\$ 14,510	-	\$ 14,281

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CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Oophorectomy, unilateral & bilateral																
N	11	11	33	12	-	-	29	17	25	26	41	53	15	84	22	379
Avg\$	\$ 16,088	\$ 12,149	\$ 13,234	\$ 17,719	-	-	\$ 16,934	\$ 24,588	\$ 9,838	\$ 16,736	\$ 11,728	\$ 10,762	\$ 16,400	\$ 16,323	\$ 12,813	\$ 14,513
Other operations on ovary																
N	-	-	1	-	-	-	-	-	-	-	-	-	-	38	-	39
Avg\$	-	-	\$ 14,102	-	-	-	-	-	-	-	-	-	-	\$ 4,353	-	\$ 4,603
Ligation of fallopian tubes																
N	2	-	2	-	-	-	-	-	11	-	-	3	-	1	1	20
Avg\$	\$ 8,930	-	\$ 13,301	-	-	-	-	-	\$ 8,219	-	-	\$ 10,671	-	\$ 13,037	\$ 6,500	\$ 9,321
Removal of ectopic pregnancy																
N	1	-	-	-	-	-	-	-	2	-	-	1	-	2	-	6
Avg\$	\$ 11,894	-	-	-	-	-	-	-	\$ 10,605	-	-	\$ 15,815	-	\$ 13,077	-	\$ 12,512
Other operations on fallopian tubes																
N	1	-	-	-	-	-	-	-	-	-	2	-	-	10	2	15
Avg\$	\$ 10,177	-	-	-	-	-	-	-	-	-	\$ 15,670	-	-	\$ 23,598	\$ 13,000	\$ 20,233
Hysterectomy, abdominal & vaginal																
N	6	8	17	5	-	-	19	17	32	26	62	46	13	171	4	426
Avg\$	\$ 25,741	\$ 25,210	\$ 25,495	\$ 40,772	-	-	\$ 34,413	\$ 43,456	\$ 16,976	\$ 29,330	\$ 22,022	\$ 19,587	\$ 28,774	\$ 28,299	\$ 11,250	\$ 26,329
Other excision of cervix & uterus																
N	14	6	21	3	-	-	3	15	71	29	42	48	24	63	23	362
Avg\$	\$ 15,028	\$ 8,994	\$ 10,610	\$ 17,638	-	-	\$ 18,423	\$ 20,279	\$ 5,939	\$ 10,821	\$ 9,070	\$ 8,259	\$ 11,501	\$ 15,250	\$ 6,726	\$ 10,508
Abortion (termination of pregnancy)																
N	2	-	-	1	-	-	-	-	-	2	-	3	-	27	-	35
Avg\$	\$ 10,335	-	-	\$ 8,308	-	-	-	-	-	\$ 5,948	-	\$ 5,422	-	\$ 9,331	-	\$ 8,831
D&C, aspiration after delivery or abortion																
N	4	12	7	2	-	-	8	12	12	14	12	22	-	34	8	147
Avg\$	\$ 8,057	\$ 7,552	\$ 7,222	\$ 10,134	-	-	\$ 9,434	\$ 10,862	\$ 5,694	\$ 5,041	\$ 9,494	\$ 6,141	-	\$ 8,067	\$ 3,125	\$ 7,392
Diagnostic dilatation & curettage (D&C)																
N	1	2	2	1	-	-	-	-	1	1	-	-	-	7	-	15
Avg\$	\$ 9,556	\$ 10,168	\$ 7,341	\$ 10,453	-	-	-	-	\$ 6,327	\$ 4,229	-	-	-	\$ 11,957	-	\$ 9,952
Repair cystocele & rectocele, oblit of vaginal vault																
N	2	-	-	17	-	-	2	2	24	2	-	4	5	113	4	175
Avg\$	\$ 35,662	-	-	\$ 24,606	-	-	\$ 17,070	\$ 18,758	\$ 15,415	\$ 45,374	-	\$ 15,595	\$ 14,242	\$ 24,716	\$ 6,980	\$ 22,722
Other diagnostic procedures, female organs																
N	37	67	10	25	-	1	37	28	45	44	571	1,277	18	275	76	2,511
Avg\$	\$ 11,956	\$ 7,511	\$ 8,286	\$ 11,836	-	\$ 10,768	\$ 10,072	\$ 11,176	\$ 6,476	\$ 8,046	\$ 1,753	\$ 887	\$ 9,903	\$ 5,042	\$ 3,781	\$ 2,649

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
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Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Other non-OR therapeutic procedures, female organs																
N	8	16	3	3	-	-	-	3	11	2	157	2	1	203	9	418
Avg\$	\$ 10,833	\$ 11,233	\$ 7,129	\$ 16,742	-	-	\$ 7,855	\$ 6,956	\$ 13,185	\$ 1,764	\$ 5,290	\$ 2,719	\$ 7,978	\$ 775	\$ 5,697	
Other OR therapeutic procedures, female organs																
N	9	7	6	4	-	-	47	9	29	19	53	21	8	119	23	354
Avg\$	\$ 12,500	\$ 12,455	\$ 10,761	\$ 16,867	-	-	\$ 21,556	\$ 24,518	\$ 8,177	\$ 15,639	\$ 11,338	\$ 11,019	\$ 11,428	\$ 13,791	\$ 6,394	\$ 13,593
Forceps, vacuum & breech delivery																
N	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Avg\$	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 6,826	-	\$ 6,826
Other procedures to assist delivery																
N	-	1	4	5	-	-	1	2	-	1	1	5	-	38	-	58
Avg\$	-	\$ 4,128	\$ 5,801	\$ 10,002	-	-	\$ 6,748	\$ 1,611	-	\$ 4,570	\$ 7,917	\$ 5,264	-	\$ 3,694	-	\$ 4,595
Fetal monitoring																
N	768	697	239	148	-	-	205	382	120	192	550	126	-	262	-	3,689
Avg\$	\$ 699	\$ 831	\$ 628	\$ 866	-	-	\$ 777	\$ 820	\$ 282	\$ 1,036	\$ 963	\$ 1,232	-	\$ 1,064	-	\$ 830
Repair of current obstetric laceration																
N	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Avg\$	\$ 7,229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,229
Other therapeutic obstetrical procedures																
N	-	-	-	-	-	-	-	1	1	-	-	-	-	15	-	17
Avg\$	-	-	-	-	-	-	\$ 8,792	\$ 5,909	-	-	-	-	-	\$ 9,883	-	\$ 9,585
Partial excision bone																
N	13	28	19	12	-	2	2	18	36	14	91	33	5	117	1	391
Avg\$	\$ 13,532	\$ 13,773	\$ 11,489	\$ 26,049	-	\$ 8,878	\$ 15,363	\$ 15,339	\$ 14,078	\$ 21,044	\$ 8,678	\$ 12,315	\$ 12,158	\$ 11,457	\$ 4,000	\$ 12,327
Bunionectomy or repair of toe deformities																
N	4	21	24	62	-	1	-	23	32	17	42	39	-	109	-	374
Avg\$	\$ 14,862	\$ 16,816	\$ 14,178	\$ 26,245	-	\$ 16,972	-	\$ 18,228	\$ 8,570	\$ 15,449	\$ 19,474	\$ 12,661	-	\$ 9,886	-	\$ 15,354
Treatment, facial fracture or dislocation																
N	-	1	-	-	-	-	-	-	5	2	21	1	-	24	-	54
Avg\$	-	\$ 21,502	-	-	-	-	-	-	\$ 5,894	\$ 4,732	\$ 6,165	\$ 14,058	-	\$ 23,132	-	\$ 14,058
Treatment, fracture or disloc of radius & ulna																
N	24	73	53	4	-	-	30	13	26	33	96	43	4	77	-	476
Avg\$	\$ 18,286	\$ 16,098	\$ 22,581	\$ 38,719	-	-	\$ 27,877	\$ 20,054	\$ 15,523	\$ 18,907	\$ 8,257	\$ 15,650	\$ 11,146	\$ 13,682	-	\$ 16,080
Treatment, fracture or disloc of hip & femur																
N	-	-	1	-	-	-	1	2	1	1	-	2	-	7	-	15
Avg\$	-	-	\$ 19,734	-	-	-	\$ 48,583	\$ 11,125	\$ 16,283	\$ 22,587	-	\$ 19,895	-	\$ 19,669	-	\$ 20,461

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
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Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMC	GMSC	Total
Treatment, fracture or disloc of lower extremity																
N	27	47	78	13	-	-	26	14	36	15	92	37	16	115	-	516
Avg\$	\$ 19,090	\$ 19,092	\$ 20,798	\$ 32,272	-	-	\$ 33,463	\$ 35,303	\$ 17,558	\$ 34,036	\$ 11,534	\$ 19,439	\$ 14,798	\$ 19,768	-	\$ 19,868
Other fracture & dislocation procedure																
N	32	84	53	3	-	-	15	24	20	16	82	29	4	173	2	537
Avg\$	\$ 17,754	\$ 14,487	\$ 21,360	\$ 49,270	-	-	\$ 39,273	\$ 26,493	\$ 18,774	\$ 27,320	\$ 11,057	\$ 15,508	\$ 7,349	\$ 18,449	\$ 2,391	\$ 18,035
Arthroscopy																
N	13	18	45	-	-	-	6	10	9	24	12	8	34	-	179	
Avg\$	\$ 19,048	\$ 19,199	\$ 24,808	-	-	-	\$ 51,534	\$ 22,177	\$ 34,180	\$ 18,796	\$ 23,118	\$ 26,799	\$ 23,792	-	\$ 24,022	
Division of joint capsule, ligament or cartilage																
N	2	9	9	1	-	-	3	4	1	6	1	-	17	-	53	
Avg\$	\$ 13,944	\$ 13,943	\$ 14,151	\$ 30,691	-	-	\$ 20,428	\$ 9,293	\$ 16,742	\$ 9,644	\$ 7,225	-	\$ 12,769	-	\$ 13,373	
Excision of semilunar cartilage of knee																
N	99	102	64	23	-	-	9	53	54	30	114	62	11	199	-	820
Avg\$	\$ 8,623	\$ 13,597	\$ 11,404	\$ 22,007	-	-	\$ 18,008	\$ 23,920	\$ 11,391	\$ 22,696	\$ 9,728	\$ 10,812	\$ 7,432	\$ 14,709	-	\$ 13,403
Arthroplasty knee																
N	8	42	115	36	-	-	1	88	22	74	293	99	19	28	-	825
Avg\$	\$ 23,305	\$ 33,274	\$ 34,834	\$ 58,460	-	-	\$ 59,471	\$ 50,340	\$ 45,288	\$ 45,719	\$ 35,788	\$ 34,820	\$ 36,137	\$ 27,443	-	\$ 38,729
Hip replacement, total & partial																
N	20	79	84	20	-	-	50	40	54	191	77	-	10	-	625	
Avg\$	\$ 29,322	\$ 28,685	\$ 33,719	\$ 55,452	-	-	\$ 48,816	\$ 53,718	\$ 54,898	\$ 34,130	\$ 31,073	-	\$ 33,385	-	\$ 37,749	
Arthroplasty other than hip or knee																
N	33	47	61	3	-	-	10	5	15	12	67	15	13	74	4	359
Avg\$	\$ 16,531	\$ 20,552	\$ 34,173	\$ 77,958	-	-	\$ 16,480	\$ 34,507	\$ 32,237	\$ 60,543	\$ 21,796	\$ 17,748	\$ 11,584	\$ 12,941	\$ 7,769	\$ 22,961
Arthrocentesis																
N	222	31	204	19	-	5	26	2	4	39	2,598	48	1	2,031	-	5,230
Avg\$	\$ 2,252	\$ 4,408	\$ 1,267	\$ 3,047	-	\$ 1,654	\$ 1,353	\$ 31,056	\$ 19,277	\$ 281	\$ 713	\$ 2,329	\$ 1,077	\$ 467	-	\$ 776
Injections & aspirations of muscles, tendons, etc.																
N	6	183	44	-	-	1	2	21	1	-	354	14	-	934	-	1,560
Avg\$	\$ 4,896	\$ 1,738	\$ 1,071	-	-	\$ 629	\$ 924	\$ 850	\$ 173	-	\$ 402	\$ 3,861	-	\$ 1,035	-	\$ 1,011
Amputation of lower extremity																
N	5	16	5	21	-	2	11	11	17	7	31	13	-	53	-	192
Avg\$	\$ 10,042	\$ 9,430	\$ 8,025	\$ 10,597	-	\$ 12,274	\$ 10,148	\$ 8,835	\$ 6,429	\$ 7,914	\$ 9,167	\$ 7,187	-	\$ 7,299	-	\$ 8,470
Spinal fusion																
N	-	-	-	-	-	-	-	-	7	-	7	-	-	5	-	19
Avg\$	-	-	-	-	-	-	-	-	\$ 35,734	-	\$ 52,687	-	-	\$ 18,293	-	\$ 37,390

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).
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2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Other diagnostic procedures on musculoskeletal system																
N	2	8	1	-	-	-	4	-	-	1	32	9	-	72	-	129
Avg\$	\$ 18,214	\$ 8,668	\$ 8,148	-	-	-	\$ 8,160	-	-	\$ 3,372	\$ 6,929	\$ 3,441	-	\$ 7,713	-	\$ 7,426
Other therapeutic procedures on muscles & tendons																
N	138	317	283	38	-	5	75	165	136	72	319	144	68	562	102	2,424
Avg\$	\$ 9,661	\$ 10,129	\$ 17,050	\$ 21,050	-	\$ 10,328	\$ 14,334	\$ 22,621	\$ 12,494	\$ 17,749	\$ 8,095	\$ 8,884	\$ 6,031	\$ 10,559	\$ 2,836	\$ 11,758
Other OR therapeutic procedures on bone																
N	38	59	49	12	-	1	6	21	34	11	57	29	4	223	1	545
Avg\$	\$ 8,497	\$ 14,411	\$ 12,264	\$ 33,667	-	\$ 12,936	\$ 14,410	\$ 26,422	\$ 21,269	\$ 14,061	\$ 11,458	\$ 10,984	\$ 6,620	\$ 15,396	\$ 3,467	\$ 14,945
Other OR therapeutic procedures on joints																
N	36	74	120	16	-	7	16	73	38	40	148	78	23	247	10	926
Avg\$	\$ 11,489	\$ 16,799	\$ 17,755	\$ 44,718	-	\$ 33,010	\$ 19,253	\$ 32,322	\$ 21,496	\$ 26,762	\$ 16,139	\$ 14,052	\$ 12,988	\$ 15,272	\$ 5,156	\$ 18,246
Other non-OR therapeutic procedures on musc system																
N	6	3	2	-	-	-	-	9	1	2	18	5	-	27	-	73
Avg\$	\$ 6,331	\$ 8,117	\$ 18,072	-	-	-	-	\$ 8,036	\$ 35,015	\$ 16,543	\$ 8,652	\$ 2,713	-	\$ 16,933	-	\$ 11,855
Other OR therapeutic procedures on musc system																
N	2	4	4	1	-	-	1	18	69	-	42	2	1	29	1	174
Avg\$	\$ 7,194	\$ 15,960	\$ 12,262	\$ 44,632	-	-	\$ 13,822	\$ 45,356	\$ 45,050	-	\$ 27,492	\$ 34,188	\$ 4,193	\$ 16,182	\$ 7,650	\$ 33,418
Breast biopsy & other diagnostic procedures on breast																
N	55	103	40	7	-	16	31	-	43	38	241	171	39	831	-	1,615
Avg\$	\$ 13,194	\$ 4,969	\$ 4,623	\$ 8,904	-	\$ 7,265	\$ 6,859	-	\$ 2,143	\$ 2,214	\$ 3,401	\$ 3,705	\$ 4,507	\$ 6,495	-	\$ 5,583
Lumpectomy, quadrantectomy of breast																
N	14	55	17	1	-	3	5	7	16	9	47	49	2	282	15	522
Avg\$	\$ 14,321	\$ 14,942	\$ 16,565	\$ 19,974	-	\$ 28,654	\$ 17,358	\$ 22,224	\$ 9,912	\$ 9,043	\$ 11,967	\$ 14,985	\$ 9,296	\$ 13,456	\$ 4,171	\$ 13,570
Mastectomy																
N	6	3	1	-	-	2	3	1	11	-	4	8	1	58	24	122
Avg\$	\$ 21,329	\$ 28,821	\$ 19,401	-	-	\$ 46,811	\$ 37,139	\$ 22,889	\$ 14,815	-	\$ 14,106	\$ 21,145	\$ 20,147	\$ 25,773	\$ 20,436	\$ 23,408
Incision & drainage, skin & subcutaneous tissue																
N	9	14	6	3	-	1	2	3	27	3	44	2	2	129	6	251
Avg\$	\$ 5,712	\$ 7,554	\$ 4,792	\$ 6,741	-	\$ 8,151	\$ 10,134	\$ 16,708	\$ 3,590	\$ 6,622	\$ 3,308	\$ 6,035	\$ 4,026	\$ 2,386	\$ 1,428	\$ 3,520
Debridement of wound, infection or burn																
N	171	9	7	2	-	-	4	6	8	1	55	16	-	195	1	475
Avg\$	\$ 1,362	\$ 10,011	\$ 8,534	\$ 10,655	-	-	\$ 7,431	\$ 11,310	\$ 5,404	\$ 8,427	\$ 1,456	\$ 11,664	-	\$ 1,688	\$ 540	\$ 2,421
Excision of skin lesion																
N	42	89	14	55	-	12	22	49	143	61	297	89	24	4,223	22	5,142
Avg\$	\$ 4,787	\$ 5,968	\$ 9,010	\$ 11,425	-	\$ 6,636	\$ 8,645	\$ 12,447	\$ 2,915	\$ 6,908	\$ 4,365	\$ 7,986	\$ 6,136	\$ 1,644	\$ 1,684	\$ 2,399

Outpatient procedures are outpatient visits with a primary CPT code in CCS high-level groups 1 - 15 (not ED).

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Table O-10
2021 Vermont Hospital Outpatient Visits, including VT Residents and Non-residents
Outpatient Visits and Average Charges by Vermont Hospitals
 Procedure Categories defined by Clinical Classifications Software for Services and Procedures

CCS Single Level Procedure Categories

	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
Suture of skin & subcutaneous tissue																
N	1	2	2	1	-	-	4	1	2	15	13	2	1	909	2	955
Avg\$	\$ 12,080	\$ 13,636	\$ 10,712	\$ 13,940	-	-	\$ 14,163	\$ 25,022	\$ 4,898	\$ 4,726	\$ 5,308	\$ 14,524	\$ 6,628	\$ 4,580	\$ 2,225	\$ 4,722
Skin graft																
N	12	5	1	1	-	1	7	21	1	2	37	3	1	322	7	421
Avg\$	\$ 7,937	\$ 13,930	\$ 14,185	\$ 24,220	-	\$ 30,244	\$ 16,073	\$ 10,482	\$ 7,770	\$ 6,394	\$ 11,641	\$ 10,657	\$ 8,313	\$ 8,308	\$ 5,262	\$ 8,954
Other diagnostic proc on skin & subcutaneous tissue																
N	1	16	15	2	-	7	17	37	51	7	316	110	18	2,004	1	2,602
Avg\$	\$ 228	\$ 945	\$ 1,407	\$ 10,801	-	\$ 2,303	\$ 1,449	\$ 2,707	\$ 2,097	\$ 2,810	\$ 1,996	\$ 1,322	\$ 2,535	\$ 1,219	\$ 295	\$ 1,380
Other non-OR therapeutic procedures on skin & breast																
N	3	9	962	4	-	3	1	306	4	4	84	5	-	1,996	1	3,382
Avg\$	\$ 7,935	\$ 6,528	\$ 35	\$ 5,805	-	\$ 3,397	\$ 832	\$ 208	\$ 8,918	\$ 4,833	\$ 1,380	\$ 10,420	-	\$ 649	\$ 215	\$ 512
Other OR therapeutic procedures on skin & breast																
N	8	30	5	5	-	2	4	1	60	6	21	40	2	163	102	449
Avg\$	\$ 8,395	\$ 9,148	\$ 5,599	\$ 15,070	-	\$ 19,689	\$ 13,653	\$ 16,453	\$ 13,868	\$ 13,494	\$ 10,990	\$ 14,414	\$ 4,914	\$ 25,815	\$ 16,127	\$ 18,130
Total																
N	4,858	9,923	4,810	2,151	-	1,812	3,355	4,324	6,012	3,620	20,780	9,097	1,919	58,751	2,850	134,262
Avg\$	\$ 5,228	\$ 5,833	\$ 7,476	\$ 10,139	-	\$ 6,155	\$ 9,419	\$ 10,132	\$ 5,890	\$ 8,765	\$ 4,635	\$ 5,311	\$ 5,740	\$ 5,659	\$ 3,147	\$ 5,898

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Table O-11
2021 Vermont Hospital Expanded Outpatient Services, including VT Residents and Non-residents
Primary Cost Centers of Services Provided by Vermont Hospitals

Primary Cost Center	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
3390 Laboratory - Clinical	36,422	86,240	33,308	8,468	12,163	18,275	36,315	37,563	73,712	44,148	88,844	42,879	36,997	214,830		770,164
5400 Radiology - Diagnostic	9,258	17,181	10,654	1,557	1,445	2,661	4,270	5,908	9,101	6,925	15,551	15,074	3,761	55,331		158,677
7300 Drugs Charged to Patients	3,008	14,364	5,491	1,310	538	1,570	2,289	2,954	3,821	2,852	10,908	17,461	5,261	54,254		126,086
3050 Bacteriology & Microbiology	-	24	-	-	437	-	-	5,768	1,730	-	21,886	72,041	-	100		101,986
3180 Chemistry	-	254	-	-	5,661	3,072	-	21,939	34	3	-	45,915	-	1		76,879
3440 Mammography	4,590	7,087	1,984	1,742	-	1,304	3,049	3,157	4,548	3,521	8,782	6,543	2,621	26,323		75,251
Diagnostic	291	1,207	363	172	-	163	238	288	630	404	857	1,159	398	3,806		9,976
Screening	4,299	5,880	1,621	1,570	-	1,142	2,812	2,869	3,918	3,117	7,928	5,384	2,223	22,568		65,331
3630 Ultra Sound	3,341	5,995	2,167	1,092	403	901	2,575	1,447	5,314	2,753	7,246	6,526	1,598	19,004		60,362
5700 CT Scan	1,435	4,260	1,587	918	271	569	1,872	1,141	3,012	1,390	3,710	3,641	937	13,760		38,503
6600 Physical Therapy	1,143	8,201	918	2,516	775	1,125	247	1	854	1,571	1,014	1,838	792	15,609		36,604
5800 Magnetic Resonance Imaging (MRI)	1,765	2,946	1,226	970	-	618	1,123	1,255	2,212	1,362	3,978	3,026	921	12,539		33,941
3350 Hematology	-	-	-	-	3,527	-	-	380	14	-	-	28,373	-	-		32,294
3420 Laboratory - Pathological	1,836	1,122	424	83	-	773	714	841	3,056	2,145	600	2,822	1,477	10,648		26,541
3280 EKG and EEG	930	1,880	1,303	295	433	215	1,187	414	1,405	321	5,916	829	203	9,196		24,527
EKG	930	1,765	1,186	240	433	215	1,187	372	1,405	321	5,797	743	203	8,014		22,811
EEG	-	116	117	56	-	-	-	44	-	-	119	86	-	1,182		1,720
3260 Echocardiography	883	1,953	751	557	-	224	798	447	1,047	1,240	2,506	2,100	443	8,213		21,162
6400 Intravenous Therapy	859	4,217	1,122	153	106	-	898	555	1,147	865	1,376	4,805	811	2,074		18,988
3190 Chemotherapy	221	2,352	504	36	-	206	1	-	-	436	1,109	2,563	255	10,363		18,046
3140 Cardiology	123	723	10	23	-	36	699	411	62	382	2,091	1,480	-	8,893		14,933
3240 Cytology	-	296	-	-	-	11	1,009	1,903	231	191	3,803	1,856	20	3,902		13,222
5000 Operating Room	108	294	121	51	-	109	6	94	28	28	133	281	40	11,555		12,848
7100 Medical Supplies Charged to Patients	166	388	1,159	134	-	341	13	-	1,005	1,433	426	1,377	3,219	1,907		11,568
3450 Nuclear Medicine - Diagnostic	420	1,251	214	192	-	-	349	340	553	400	1,290	1,016	130	4,284		10,439
PET Scan	-	324	-	-	-	-	-	-	-	-	221	429	-	452		1,426
All other	420	1,251	214	192	-	-	349	340	553	400	1,290	587	130	4,283		10,009

Table O-11
2021 Vermont Hospital Expanded Outpatient Services, including VT Residents and Non-residents
Primary Cost Centers of Services Provided by Vermont Hospitals

Primary Cost Center	BRAT	CVMC	COPL	GIFF	GRAC	MTA	NCTY	NEVT	NWST	PORT	RRMC	SWVT	SPRF	UVMMC	GMSC	Total
3380 Immunology	-	112	-	-	19	-	-	719	79	13	-	9,081	-	8		10,031
3650 Vascular Lab	513	625	237	143	1	286	357	225	-	295	1,078	790	283	4,785		9,618
6700 Occupational Therapy	335	1,492	186	222	82	216	88	-	16	185	272	558	8	5,393		9,053
3620 Stress Test	452	877	305	262	-	-	224	377	771	348	1,207	575	183	1,983		7,564
3370 Holter Monitor	10	765	125	134	1	132	142	389	407	38	557	77	122	2,973		5,872
3480 Oncology	948	-	11	27	-	-	-	-	-	-	4,687	-	-	-		5,673
5100 Recovery Room	108	119	77	1	-	345	4	40	34	8	11	182	39	4,428		5,396
5300 Anesthesiology	62	41	105	47	-	401	-	40	12	48	11	7	59	3,776		4,609
3550 Psychiatric/Psychological Services	-	23	-	-	-	-	-	-	455	20	947	-	-	2,996		4,441
3540 Prosthetic Devices	-	345	63	-	-	-	20	-	8	-	-	3	579	2,649		3,667
3040 Audiology	16	56	15	-	-	-	13	13	32	93	2,483	-	-	783		3,504
5500 Radiology - Therapeutic	-	436	-	-	-	-	-	-	-	-	335	153	-	1,798		2,722
6300 Blood Storing, Processing, & Trans.	124	172	77	20	1	8	83	76	91	39	158	294	133	942		2,218
7200 Impl. Dev. Charged to Patient	38	62	59	6	-	-	3	12	6	17	30	39	22	1,645		1,940
6800 Speech Pathology	14	374	5	32	-	41	33	17	1	22	110	168	10	1,088		1,915
3320 Electroshock Therapy	-	140	-	-	-	-	-	-	-	-	-	-	-	1,173		1,313
6500 Respiratory Therapy	280	42	138	16	-	11	5	13	5	4	22	-	1	571		1,108
Total (not including subcategories)	69,408	166,709	64,346	21,007	25,863	33,450	58,386	88,439	114,803	73,096	193,077	274,373	60,925	519,777	-	1,763,665

Only Expanded Outpatient Records are included in this table.

Expanded Outpatient records are outpatient records with no primary CPT code in CCS high-level groups 1 through 15, and no associated ED or ObsBed revenue record.

The Primary Cost Centers reported here are just a partial list of all possible cost centers. See Appendix J for all cost centers and associated revenue codes.

Visits with multiple revenue codes for services provided within a Primary Cost Center are counted only once in that cost center per visit. Visits may have more than one Primary Cost Center and can represent more than one unit of service. Therefore, the totals shown in this table do not add up to the total number of visits to or services provided by the hospitals.

There is variation in how hospitals code certain cost centers.

Diagnostic Mammography = revenue code 401 and Screening Mammography = revenue code 403

EKG/ECG = revenue code 730, 732 or 739 and EEG = revenue code 740 or 749

PET Scan = revenue code 404

Column headers denote hospitals: key to the hospital abbreviations can be found in Appendix K.

Table O-12
2021 Vermont Hospital Discharges, including VT Residents and Non-residents
Observation Bed Records and Average Charges by Vermont Hospital and Setting

Vermont Hospital	Inpatient Obs Bed Records		Outpatient Obs Bed Records								Total Obs Bed Records	
			with ED revenue code only		with ED revenue code and Proc in Range		with Proc in Range only		with no ED revenue code or Proc in Range			
	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$
Brattleboro Memorial Hospital	164	\$ 24,121	459	\$ 14,297	38	\$ 23,055	119	\$ 16,458	46	\$ 5,476	826	\$ 16,471
Central Vermont Medical Center	99	\$ 23,209	463	\$ 10,593	42	\$ 20,207	27	\$ 32,101	29	\$ 4,485	660	\$ 13,709
Copley Hospital	34	\$ 10,763	239	\$ 6,493	25	\$ 21,324	23	\$ 20,895	20	\$ 4,656	341	\$ 8,875
Gifford Medical Center	16	\$ 20,881	276	\$ 15,881	10	\$ 32,318	96	\$ 44,063	124	\$ 1,392	522	\$ 18,090
Grace Cottage Family Health & Hospital	2	\$ 17,946	89	\$ 9,109	-	\$ -	-	\$ -	9	\$ 9,239	100	\$ 9,298
Mt. Ascutney Hospital and Health Center	3	\$ 24,095	70	\$ 16,472	3	\$ 23,830	15	\$ 36,694	59	\$ 7,279	150	\$ 15,178
North Country Hospital	18	\$ 40,049	241	\$ 16,393	36	\$ 34,566	67	\$ 38,686	32	\$ 9,161	394	\$ 22,353
Northeastern Vermont Regional Hospital	117	\$ 32,785	472	\$ 11,502	43	\$ 33,097	38	\$ 37,236	15	\$ 11,856	685	\$ 17,928
Northwestern Medical Center	313	\$ 17,307	386	\$ 7,312	71	\$ 16,724	200	\$ 40,513	40	\$ 2,094	1,010	\$ 17,439
Porter Medical Center	125	\$ 23,063	564	\$ 10,329	57	\$ 26,922	118	\$ 42,367	15	\$ 6,788	879	\$ 17,463
Rutland Regional Medical Center	245	\$ 26,935	577	\$ 11,836	135	\$ 22,139	6	\$ 16,637	30	\$ 7,194	993	\$ 16,851
Southwestern Vermont Medical Center	158	\$ 22,436	465	\$ 13,474	60	\$ 21,378	33	\$ 20,262	18	\$ 5,642	734	\$ 16,162
Springfield Hospital	7	\$ 20,309	214	\$ 12,162	26	\$ 24,541	46	\$ 28,430	19	\$ 26,273	312	\$ 16,634
University of Vermont Medical Center	1,293	\$ 39,648	1,639	\$ 14,415	324	\$ 25,164	129	\$ 25,699	244	\$ 16,654	3,629	\$ 24,925
Total	2,594	\$ 31,402	6,154	\$ 12,466	870	\$ 24,258	917	\$ 33,355	700	\$ 9,567	11,235	\$ 19,280
Total for 2020	2,399	\$ 29,289	5,251	\$ 11,524	692	\$ 23,319	858	\$ 30,084	487	\$ 6,277	9,687	\$ 18,146
Total for 2019	2,801	\$ 26,590	5,962	\$ 10,166	699	\$ 22,162	898	\$ 24,179	659	\$ 6,065	11,019	\$ 16,001
Total for 2018	3,118	\$ 25,518	6,499	\$ 9,292	701	\$ 21,004	964	\$ 23,308	719	\$ 5,914	12,001	\$ 15,120
Total for 2017	3,277	\$ 25,663	6,720	\$ 9,074	758	\$ 22,091	1,177	\$ 16,766	1,031	\$ 4,566	12,963	\$ 14,380

Observation Bed records are defined by having an associated revenue code of 760 or 762.

Emergency Department records are defined as having an associated revenue code between 450 and 459.

Numbers of inpatient discharges exclude newborns (MDC 15), but average charges include newborns.

Procedure in Range records include all outpatient visits that have no associated revenue code of 45x and that have a primary CPT code in CCS high-level groups 1 through 15.

Charge data should be used with caution. See discussion in Appendix A for details.

Records with missing charges are included in the number of procedures reported but excluded from the average charges calculation.

Table O-13

**2021 Vermont Hospital Outpatient Visits and Expanded Outpatient Services, including VT Residents and Non-residents
In-migration by Vermont Hospital**

Outpatient Procedures

<u>Vermont Hospital</u>	<u>Vermont Residents</u>		<u>Non-residents</u>		<u>Total</u>	
	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>
Brattleboro Memorial Hospital	4,184	\$ 21,677,949	674	\$ 3,692,878	4,858	\$ 25,370,827
Central Vermont Medical Center	9,813	\$ 57,039,541	110	\$ 840,732	9,923	\$ 57,880,273
Copley Hospital	4,765	\$ 35,360,809	45	\$ 600,144	4,810	\$ 35,960,953
Gifford Medical Center	2,119	\$ 21,190,061	32	\$ 618,736	2,151	\$ 21,808,797
Grace Cottage Family Health & Hospital	-	\$ -	-	\$ -	-	\$ -
Mt. Ascutney Hospital and Health Center	1,196	\$ 6,975,809	616	\$ 4,176,370	1,812	\$ 11,152,180
North Country Hospital	3,321	\$ 31,131,033	34	\$ 468,472	3,355	\$ 31,599,505
Northeastern Vermont Regional Hospital	4,007	\$ 41,500,532	317	\$ 2,312,389	4,324	\$ 43,812,921
Northwestern Medical Center	5,945	\$ 34,890,993	67	\$ 520,266	6,012	\$ 35,411,259
Porter Medical Center	3,270	\$ 28,111,670	350	\$ 3,617,546	3,620	\$ 31,729,216
Rutland Regional Medical Center	19,813	\$ 91,114,565	967	\$ 5,198,024	20,780	\$ 96,312,589
Southwestern Vermont Medical Center	6,566	\$ 33,391,105	2,531	\$ 14,920,378	9,097	\$ 48,311,483
Springfield Hospital	1,638	\$ 9,298,881	281	\$ 1,717,002	1,919	\$ 11,015,883
University of Vermont Medical Center	51,818	\$ 288,932,417	6,933	\$ 43,533,960	58,751	\$ 332,466,378
Green Mountain Surgical Center	2,774	\$ 8,513,735	76	\$ 426,307	2,850	\$ 8,940,042
Total for 2021	121,229	\$ 709,129,101	13,033	\$ 82,643,203	134,262	\$ 791,772,304
Total for 2020	103,067	\$600,768,418	11,471	\$74,167,297	114,538	\$674,935,715
Total for 2019	121,808	\$ 635,437,222	14,389	\$ 85,158,381	136,197	\$ 720,595,603
Total for 2018	116,638	\$ 594,535,276	13,591	\$ 81,208,602	130,229	\$ 675,743,878
Total for 2017	118,132	\$ 569,326,831	13,136	\$ 73,782,158	131,268	\$ 643,108,989

Table O-13

**2021 Vermont Hospital Outpatient Visits and Expanded Outpatient Services, including VT Residents and Non-residents
In-migration by Vermont Hospital**

Expanded Outpatient Procedures

<u>Vermont Hospital</u>	<u>Vermont Residents</u>		<u>Non-residents</u>		<u>Total</u>	
	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>
Brattleboro Memorial Hospital	52,626	\$ 60,480,244	9,593	\$ 9,031,774	62,219	\$ 69,512,018
Central Vermont Medical Center	170,972	\$ 175,363,910	2,084	\$ 1,638,898	173,056	\$ 177,002,808
Copley Hospital	71,607	\$ 36,150,466	1,895	\$ 643,190	73,502	\$ 36,793,656
Gifford Medical Center	29,050	\$ 28,544,871	584	\$ 580,352	29,634	\$ 29,125,223
Grace Cottage Family Health & Hospital	14,950	\$ 9,216,896	527	\$ 263,345	15,477	\$ 9,480,242
Mt. Ascutney Hospital and Health Center	20,111	\$ 29,089,132	5,738	\$ 9,520,157	25,849	\$ 38,609,289
North Country Hospital	51,181	\$ 52,264,956	462	\$ 380,990	51,643	\$ 52,645,946
Northeastern Vermont Regional Hospital	63,067	\$ 43,189,191	2,301	\$ 2,106,676	65,368	\$ 45,295,867
Northwestern Medical Center	104,771	\$ 50,709,067	792	\$ 362,652	105,563	\$ 51,071,719
Porter Medical Center	62,775	\$ 41,678,932	3,894	\$ 3,054,659	66,669	\$ 44,733,591
Rutland Regional Medical Center	191,636	\$ 161,960,673	10,027	\$ 8,233,866	201,663	\$ 170,194,539
Southwestern Vermont Medical Center	155,702	\$ 125,648,221	49,899	\$ 43,628,260	205,601	\$ 169,276,482
Springfield Hospital	51,740	\$ 27,545,960	9,767	\$ 4,066,043	61,507	\$ 31,612,002
University of Vermont Medical Center	499,539	\$ 853,086,598	37,628	\$ 101,474,070	537,167	\$ 954,560,667
Green Mountain Surgical Center	36	\$ 336,853	-	\$ -	36	\$ 336,853
Total for 2021	1,539,763	\$ 1,695,265,969	135,191	\$ 184,984,932	1,674,954	\$ 1,880,250,901
Total for 2020	1,181,536	\$1,236,042,631	99,931	\$144,160,623	1,281,467	\$1,380,203,255
Total for 2019	1,321,204	\$ 1,299,966,062	106,831	\$ 155,217,010	1,428,035	\$ 1,455,183,072
Total for 2018	1,365,886	\$ 1,232,020,938	106,553	\$ 140,401,704	1,472,439	\$ 1,372,422,642
Total for 2017	1,380,896	\$ 1,159,672,335	106,711	\$ 133,776,755	1,487,607	\$ 1,293,449,090

Table O-13

**2021 Vermont Hospital Outpatient Visits and Expanded Outpatient Services, including VT Residents and Non-residents
In-migration by Vermont Hospital**

All Outpatient Procedures

<u>Vermont Hospital</u>	<u>Vermont Residents</u>		<u>Non-residents</u>		<u>Total</u>	
	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>	<u>Discharges</u>	<u>Total Charges</u>
Brattleboro Memorial Hospital	56,810	82,158,193	10,267	12,724,652	67,077	\$ 94,882,845
Central Vermont Medical Center	180,785	232,403,451	2,194	2,479,630	182,979	\$ 234,883,081
Copley Hospital	76,372	71,511,275	1,940	1,243,333	78,312	\$ 72,754,609
Gifford Medical Center	31,169	49,734,932	616	1,199,088	31,785	\$ 50,934,020
Grace Cottage Family Health & Hospital	14,950	9,216,896	527	263,345	15,477	\$ 9,480,242
Mt. Ascutney Hospital and Health Center	21,307	36,064,941	6,354	13,696,528	27,661	\$ 49,761,469
North Country Hospital	54,502	83,395,989	496	849,462	54,998	\$ 84,245,451
Northeastern Vermont Regional Hospital	67,074	84,689,723	2,618	4,419,065	69,692	\$ 89,108,788
Northwestern Medical Center	110,716	85,600,060	859	882,917	111,575	\$ 86,482,978
Porter Medical Center	66,045	69,790,602	4,244	6,672,205	70,289	\$ 76,462,807
Rutland Regional Medical Center	211,449	253,075,238	10,994	13,431,890	222,443	\$ 266,507,128
Southwestern Vermont Medical Center	162,268	159,039,326	52,430	58,548,638	214,698	\$ 217,587,964
Springfield Hospital	53,378	36,844,841	10,048	5,783,044	63,426	\$ 42,627,885
University of Vermont Medical Center	551,357	1,142,019,015	44,561	145,008,030	595,918	\$ 1,287,027,045
Green Mountain Surgical Center	2,810	8,850,588	76	426,307	2,886	\$ 9,276,895
Total for 2021	1,660,992	2,404,395,071	148,224	267,628,134	1,809,216	\$ 2,672,023,205
Total for 2020	1,284,603	\$1,836,811,049	111,402	\$218,327,920	1,396,005	\$2,055,138,970
Total for 2019	1,443,012	\$ 1,935,403,284	121,220	\$ 240,375,391	1,564,232	\$ 2,175,778,674
Total for 2018	1,482,524	\$ 1,826,556,213	120,144	\$ 221,610,306	1,602,668	\$ 2,048,166,519
Total for 2017	1,499,028	\$ 1,728,999,166	119,847	\$ 207,558,913	1,618,875	\$ 1,936,558,079

Outpatient procedures are outpatient visits that did not originate in the ED, and that have a primary CPT code in CCS high-level groups 1 through 15.

Expanded Outpatient records include all outpatient records with no primary CPT code in CCS high-level groups 1 through 15, and no associated ED or ObsBed

Comparisons across Hospital Settings

Table C-1
2021 Vermont Hospital Data, including VT Residents and Non-residents
Summary of Discharges from Vermont Hospitals by Setting

Vermont Hospital	Inpatient Discharges		Outpatient Procedures		Emergency Department		Expanded Outpatient		Total	
	N	Col%	N	Col%	N	Col%	N	Col%	N	Col%
Brattleboro Memorial Hospital	1,654	3.7%	4,858	3.6%	11,737	5.4%	62,219	3.7%	80,468	3.9%
Central Vermont Medical Center	3,597	8.0%	9,923	7.4%	19,887	9.2%	173,056	10.3%	206,463	10.0%
Copley Hospital	1,502	3.3%	4,810	3.6%	11,248	5.2%	73,502	4.4%	91,062	4.4%
Gifford Medical Center	1,233	2.7%	2,151	1.6%	5,684	2.6%	29,634	1.8%	38,702	1.9%
Grace Cottage Family Health & Hospital	104	0.2%	0	0.0%	2,990	1.4%	15,477	0.9%	18,571	0.9%
Mt. Ascutney Hospital and Health Center	1,010	2.2%	1,812	1.3%	5,447	2.5%	25,849	1.5%	34,118	1.6%
North Country Hospital	1,298	2.9%	3,355	2.5%	12,077	5.6%	51,643	3.1%	68,373	3.3%
Northeastern Vermont Regional Hospital	1,446	3.2%	4,324	3.2%	10,164	4.7%	65,368	3.9%	81,302	3.9%
Northwestern Medical Center	2,145	4.8%	6,012	4.5%	19,641	9.1%	105,563	6.3%	133,361	6.4%
Porter Medical Center	1,216	2.7%	3,620	2.7%	17,448	8.1%	66,669	4.0%	88,953	4.3%
Rutland Regional Medical Center	5,683	12.6%	20,780	15.5%	24,103	11.2%	201,663	12.0%	252,229	12.2%
Southwestern Vermont Medical Center	3,089	6.8%	9,097	6.8%	19,143	8.9%	205,601	12.3%	236,930	11.4%
Springfield Hospital	1,037	2.3%	1,919	1.4%	11,217	5.2%	61,507	3.7%	75,680	3.7%
University of Vermont Medical Center	20,104	44.6%	58,751	43.8%	45,381	21.0%	537,167	32.1%	661,403	31.9%
Green Mountain Surgical Center	0	0.0%	2,850	2.1%	0	0.0%	36	0.0%	2,886	0.1%
Total	45,118	100.0%	134,262	100.0%	216,167	100.0%	1,674,954	100.0%	2,070,501	100.0%

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes.

Outpatient procedures are outpatient visits that did not originate in the ED, and that have a primary CPT code in CCS high-level groups 1 through 15, or that have an observation bed revenue code of 760 or 762.

ED visits are outpatient visits that originated in the ED and did not result in an inpatient stay, excluding any visit with missing or invalid diagnosis codes.

Expanded Outpatient records are outpatient records with no primary CPT code in CCS high-level groups 1 through 15, and no associated ED or ObsBed revenue record.

Table C-2
2021 Vermont Hospital Data, including VT Residents and Non-residents
Clinical Classifications Software Refined (CCSR) High Level Diagnosis Groups by Hospital Setting
Summary of Discharges and Average Charges

CCSR Diagnosis Groups	Inpatient Discharges		Outpatient Procedures		Emergency Department		Expanded Outpatient		Total	
	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$
Certain Infectious and Parasitic Diseases	4,151	\$45,428	601	\$903	6,195	\$2,697	20,500	\$408	31,447	\$6,968
Neoplasms	1,696	\$62,112	11,827	\$6,286	445	\$7,575	82,332	\$3,330	96,300	\$4,784
Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	427	\$33,337	926	\$4,866	802	\$5,867	29,860	\$1,591	32,015	\$2,226
Endocrine, Nutritional and Metabolic Diseases	1,656	\$31,871	1,908	\$3,125	3,169	\$3,796	133,619	\$559	140,352	\$1,040
Mental, Behavioral and Neurodevelopmental Disorders	2,667	\$30,356	169	\$7,913	11,275	\$2,536	28,932	\$761	43,043	\$3,122
Diseases of the Nervous System	1,393	\$46,954	7,448	\$4,111	8,458	\$4,244	40,841	\$2,860	58,140	\$4,313
Diseases of the Eye and Adnexa	41	\$29,710	6,117	\$5,875	2,008	\$2,504	18,251	\$1,577	26,417	\$2,695
Diseases of the Ear and Mastoid Process	50	\$26,158	3,081	\$1,320	2,868	\$1,445	9,287	\$891	15,286	\$1,165
Diseases of the Circulatory System	8,045	\$47,036	3,478	\$13,893	17,464	\$4,640	154,822	\$1,063	183,809	\$3,697
Diseases of the Respiratory System	3,145	\$29,089	6,140	\$2,467	12,650	\$2,466	31,210	\$812	53,145	\$3,090
Diseases of the Digestive System	4,946	\$34,400	10,035	\$7,832	13,910	\$4,793	36,469	\$2,878	65,360	\$6,468
Diseases of the Skin and Subcutaneous Tissue	831	\$22,902	5,523	\$1,360	7,719	\$1,579	27,441	\$845	41,514	\$1,500
Diseases of the Musculoskeletal System and Connective Tissue	2,535	\$48,191	21,043	\$7,427	17,480	\$2,443	203,120	\$1,353	244,178	\$2,459
Diseases of the Genitourinary System	2,068	\$27,638	11,133	\$10,366	10,867	\$4,214	84,223	\$914	108,291	\$2,750
Pregnancy, Childbirth and the Puerperium	5,258	\$14,893	3,987	\$1,369	2,395	\$3,057	33,896	\$595	45,536	\$2,517
Certain Conditions Originating in the Perinatal Period	38	\$13,661	16	\$2,377	116	\$1,514	1,146	\$340	1,316	\$11,052
Congenital Malformations, Deformations and Chromosomal Abnormalities	101	\$79,880	368	\$12,421	52	\$6,079	4,276	\$1,919	4,797	\$4,464
Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1,145	\$24,733	12,464	\$3,075	41,550	\$3,623	205,009	\$872	260,168	\$1,530
Injury, Poisoning and Certain Other Consequences of External Causes	4,085	\$52,902	4,432	\$15,294	52,848	\$2,576	54,322	\$971	115,687	\$4,137
External Causes of Morbidity	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Factors Influencing Health Status and Contact with Health Services	840	\$36,160	23,566	\$4,121	3,896	\$2,279	475,398	\$884	503,700	\$1,114
Total Discharges and Average Charges	45,118	\$35,435	134,262	\$5,898	216,167	\$3,208	1,674,954	\$1,153	2,070,501	\$2,532
Total Charges	\$1,778,522,121		\$791,772,304		\$693,451,462		\$1,880,250,901		\$5,143,996,788	

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes, but average and total charges include newborns.

Outpatient procedures are outpatient visits that did not originate in the ED, and that have a primary CPT code in CCS high-level groups 1 through 15, or that have an observation bed revenue code of 760 or 762.

ED visits are outpatient visits that originated in the ED and did not result in an inpatient stay, excluding any visit with missing or invalid diagnosis codes.

Expanded Outpatient records are outpatient records with no primary CPT code in CCS high-level groups 1 through 15, and no associated ED or ObsBed revenue record.

Charge data should be used with caution. See discussion in Appendix A for details.

Records with missing charges are included in the number of procedures reported but excluded from the average charges.

Total charges of \$0.00 or less are considered missing for outpatient records and total charges of \$100 or less are considered missing for inpatient records.

Table C-3
2021 Vermont Hospital Data, including VT Residents and Non-residents
Clinical Classifications Software (CCS) High Level Procedure Groups by Hospital Setting
Summary of Discharges and Average Charges

CCS Procedure Groups	Inpatient Discharges		Outpatient Procedures		Emergency Department		Expanded Outpatient		Total	
	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$	N	Avg\$
Operations on the nervous system	812	\$ 77,815	16,972	\$ 3,916	322	\$ 2,154	-	\$ -	18,106	\$ 7,284
Operations on the endocrine system	31	\$ 63,361	245	\$ 16,514	-	\$ -	-	\$ -	276	\$ 21,776
Operations on the eye	8	\$ 79,966	6,629	\$ 5,622	24	\$ 14,940	-	\$ -	6,661	\$ 5,757
Operations on the ear	43	\$ 69,180	2,659	\$ 1,303	11	\$ 920	-	\$ -	2,713	\$ 2,426
Operations on the nose, mouth, and pharynx	148	\$ 47,750	3,680	\$ 3,939	117	\$ 4,859	-	\$ -	3,945	\$ 6,127
Operations on the respiratory system	668	\$ 68,789	10,825	\$ 1,691	37	\$ 9,823	-	\$ -	11,530	\$ 5,621
Operations on the cardiovascular system	3,248	\$ 93,465	6,593	\$ 10,311	250	\$ 12,729	-	\$ -	10,091	\$ 37,485
Operations on the hemic and lymphatic system	157	\$ 101,462	581	\$ 14,789	3	\$ 12,263	-	\$ -	741	\$ 33,051
Operations on the digestive system	3,466	\$ 54,359	37,753	\$ 6,136	1,129	\$ 19,287	-	\$ -	42,348	\$ 10,459
Operations on the urinary system	695	\$ 50,748	5,837	\$ 6,982	186	\$ 16,559	-	\$ -	6,718	\$ 11,784
Operations on the male genital organs	107	\$ 11,223	1,387	\$ 8,290	34	\$ 15,016	-	\$ -	1,528	\$ 9,912
Operations on the female genital organs	272	\$ 45,546	4,896	\$ 8,284	144	\$ 17,666	-	\$ -	5,312	\$ 10,453
Obstetrical procedures	4,701	\$ 15,070	3,773	\$ 951	32	\$ 20,714	-	\$ -	8,506	\$ 8,829
Operations on the musculoskeletal system	3,836	\$ 61,123	16,496	\$ 11,406	698	\$ 9,308	-	\$ -	21,030	\$ 20,405
Operations on the integumentary system	911	\$ 50,155	15,936	\$ 3,453	2,063	\$ 1,791	-	\$ -	18,910	\$ 5,527
Miscellaneous diagnostic and therapeutic procs	649	\$ 79,417	-	\$ -	210,029	\$ 3,043	620,309	\$ 1,484	830,987	\$ 1,947
New Categories specific to CPT/HCPCS	-	\$ -	-	\$ -	919	\$ 9,956	556,002	\$ 1,516	556,921	\$ 1,530
Total Discharges and Average Charges	19,752	\$ 51,958	134,262	\$ 5,898	215,998	\$ 3,204	1,176,311	\$ 1,499	1,546,323	\$ 2,819
Total charges		\$1,116,011,039		\$791,772,304		\$692,134,343		\$1,763,482,652		\$4,363,400,337

Numbers of inpatient discharges exclude newborns (MDC 15) and any records with missing or invalid diagnosis codes, but average and total charges include newborns.

Outpatient procedures are outpatient visits that did not originate in the ED, and that have a primary CPT code in CCS high-level groups 1 through 15, or that have an observation bed revenue code of 760 or 762.

ED visits are outpatient visits that originated in the ED and did not result in an inpatient stay, excluding any visit with missing or invalid diagnosis codes.

Expanded Outpatient records are outpatient records with no primary CPT code in CCS high-level groups 1 through 15, and no associated ED or ObsBed revenue record. Many of these records have no procedure code.

Charge data should be used with caution. See discussion in Appendix A for details.

Records with missing charges are included in the number of procedures reported but excluded from the average charges.

Total charges of \$0.00 or less are considered missing for outpatient records and total charges of \$100 or less are considered missing for inpatient records.

Appendices

Appendix A

Additional Definitions

Average length of stay: Average length of stay is the total patient days divided by the number of discharges in a selected category. It is a rough measure of the amount of care provided during a typical hospital stay.

Charges: Charges in this report are defined as hospital "facility" charges that are calculated by subtracting professional fees and patient convenience items charges from the total charge. However, facility charge data are not always reported according to the strict definition and some hospitals may have included salaried and contracted physician fees in their facility charges.

Comparative analyses of hospital charges must take into account the limitations of charge data. The payments that hospitals receive for an episode of care rarely equal what is charged. All patients, or insurance plans, do not pay the same amount for similar treatments, supplies and services, even though they may be billed the same amount. Private insurers generally negotiate separately with hospitals to set reimbursement rates. The federal and state governments set Medicare and Medicaid reimbursement rates independently. Variations in charges and reimbursement may be designed so services are cross-subsidized.

Charges for hospital admissions with the same principal procedure cannot be expected to be identical, not only because hospitals differ in their assignment of charges, but because patients differ in the severity of their conditions. In general, charges for inpatient procedures tend to be higher than comparable procedures performed in an outpatient setting. In many cases, those treated in an inpatient setting have complicating conditions or other health risks that add to the cost of their care and make them poor candidates for outpatient services.

Throughout this report, to avoid counting hospitalizations for delivery twice, the maternal record is included, but the newborn record is not. However, charges on the newborn record are included in summary calculations of charges.

Clinical Classifications Software Refined (CCSR) Grouper: CCSR was developed at the Agency for Healthcare Research and Quality (AHRQ). CCSR groups ICD-10-CM principal diagnosis codes into meaningful categories. CCSR aggregates diagnoses of illnesses and conditions into more than 541 single-level diagnosis categories. CCSR further collapses these single-level diagnosis groups into high-level categories, broad groups based on body systems or condition categories.

Similarly, CCSR provides software versions for grouping ICD-10-PCS procedure codes. There is still a Clinical Classifications Software (CCS) that groups HCPCS/CPT codes into a single- and high-level procedure categories. These versions and other software tools are available at https://www.hcup-us.ahrq.gov/toolssoftware/ccsr/ccs_refined.jsp

Diagnosis: The condition, determined after study, which occasioned the patient's admission to the hospital. The accuracy or reliability of the diagnosis depends on several factors including the physician's understanding of the problem and the recorder's ability to fit this to established coding conventions. For those cases with multiple problems, the primary diagnosis may not be the reason for surgery or cause of death.

Discharge: The equivalent of a hospital admission, except that for a specified time period, only those cases discharged are counted. A count of discharges measures how often care is sought. The same individual will be counted as more than one discharge if hospitalized more than

once during the time studied. Note that discharges do not necessarily reflect disease incidence or prevalence, just the fact of utilization of the hospital resource. Maternal records are included, but newborn records are excluded from the inpatient tables, to avoid duplicate counts. However, newborn records are retained in the Vermont Uniform Hospital Discharge Dataset and charges on the newborn record are included in summary calculations of charges.

Emergency Department (ED) Dataset: Consists of all records with an associated revenue code of 45x (Emergency Room).

Expanded Outpatient Dataset: Consists of all outpatient records that do not have a primary CPT code in CCS CPT high level procedure groups 1 through 15, or an associated ED (45x) or Observation Bed (760 or 762) revenue code. Dataset includes all other diagnostic and therapeutic services such as laboratory and radiological services.

Inpatient Dataset: Consists of discharge records that were billed as an inpatient stay, including those with an associated ED revenue code. Maternal records are included in counts, but newborns are excluded to avoid duplicate counts. However, newborn records are retained in the Vermont Uniform Hospital Discharge Dataset and charges on the newborn record are included in summary calculations of charges.

Observation Bed: Outpatient records with an associated revenue code of 760 or 762. A status recognized by third-party payers - e.g. Medicare, health insurance companies and others, in which a patient is admitted to the hospital for a period of 23 hours and 59 minutes or more, depending on the 3rd party, with either a specific 'rule/out' diagnostic consideration - e.g., appendicitis, angina, pneumonia, or MI; observation may also refer to a known patient status, in which a previously diagnosed condition is managed under observation - e.g., dehydration, anemia, etc.; a popular term for a bed occupied by a person in an outpatient observation status. (McGraw-Hill Concise Dictionary of Modern Medicine. © 2002 by The McGraw-Hill Companies, Inc.)

Outpatient Procedures Dataset: Consists of outpatient records with a primary CPT code in CCS CPT high level procedure groups 1 through 15 that was performed in an operating room, ambulatory surgery area, or other outpatient setting.

Patient day: Defined as a stay in a hospital for all or part of a day. Patient days are one way of measuring the amount of care provided.

Population-based Rate: The rate of a population's use of hospital services. Because data for Vermont residents using hospitals in bordering states are not available at the time of production of this report, it is not possible to calculate accurate population-based rates for Vermont residents for this report.

Primary Cost Center: The Centers for Medicare and Medicaid Services (CMS) developed a mapping tool to map revenue charges on a claim to a cost center. The crosswalk is available at the website: <http://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/HospitalOutpatientPPS/Annual-Policy-Files-Items/CMS1253695.html?DLPage=1&DLSort=0&DLSortDir=ascending>.

Principal Payer: The anticipated principal source of payment of the patient's hospital bill recorded by the hospital on each discharge record.

Appendix B

Reporting of Diagnosis and Procedures

Vermont Hospitals' Reporting of Outpatient Procedures.

As of July 1, 2014, Vermont hospitals are required to report outpatient procedures using the HCPCS/CPT coding system: these codes are included on each of one-to-many revenue records per visit, and there is no determination by the reporting hospital of which CPT code is considered to be primary. Therefore, a primary CPT has been calculated for each outpatient visit using an algorithm that includes Relative Value Units (RVU), hospital facility charges, and whether the CPT code is for an ambulatory surgical procedure.

Relative Value Units. Relative value units (RVUs) are a measure of value used in the United States Medicare reimbursement formula for physician services. Medicare pays physicians for services based on submission of a claim using one or more specific CPT codes. For each service, a payment formula contains three RVUs, one for physician work (including factors such as the physician's time, mental effort or intensity, technical skill, and judgment), one for practice expense (including factors such as the direct expenses of supplies and non-physician labor), and one for malpractice expense. The three RVUs for a given service are each multiplied by a unique geographic practice cost index, referred to as the GPCI adjustment, to account for differences in wages and overhead costs across regions of the country. The sum of the three geographically weighted RVU values is then multiplied by the Medicare conversion factor to determine the amount of payment.

Based on the above, the RVUs can be used as an estimate of the value of physician services. A CPT code with a higher RVU indicates a procedure that takes more time, intensity, skill, and/or resources than a CPT with a lower RVU.

Calculation of Primary CPT. For each outpatient visit, the CPT code with the highest RVU is considered to be the primary CPT code. For discharges where there is more than one CPT code with the same RVU, the one with the higher charges is selected as Primary. For discharges with more than one CPT code with the same RVU and the same charges, the next comparison is whether one CPT code is considered to be ambulatory surgery (CPT range 10021-69990) and one is not: in this instance, the CPT code for ambulatory surgery is selected as primary. If the CPT codes are both for ambulatory surgery (or both not), selection as primary CPT is based on service date or on record number.

CCS and CCSR Grouping of Procedures into Categories.

Clinical Classification Software (CCS) groups outpatient HCPCS/CPT codes into the same single- and high-level categories based on body systems. The single-level procedure CCS aggregates procedures into 244 mutually exclusive categories, most representing single types of procedures. High-level CCS groups further collapse single-level groups into broad categories based on body systems or condition. CCS groupings for outpatient procedures are first based on the presence of a primary CPT code in CCS range.

Federal Requirements for Reporting of All Diagnoses and Inpatient Procedures.

As of October 1, 2015, federal requirements mandated that hospitals use the ICD-10- CM/PCS system for reporting all diagnoses and inpatient procedures in all hospital settings. For all diagnoses, Clinical Classification Software Refined (CCSR) groups ICD-10-CM diagnosis codes into the same single- and high-level diagnosis categories based on body systems.

For inpatient procedures, Clinical Classification Software Refined (CCSR) groups ICD-10-PCS procedure codes into the same single- and high-level procedure categories based on body systems.

CCS also groups ICD-10-PCS and HCPCS/CPT codes into the same single- and high-level procedure categories based on body systems, which allows for analyses of procedure groups within and across hospital settings, and across time.

APPENDIX C

Clinical Classifications Software (CCS) High Level Procedure Categories for Outpatient Services and Comparisons Across Settings

CCS High Level Procedure Groups

- 1 Operations on the nervous system
- 2 Operations on the endocrine system
- 3 Operations on the eye
- 4 Operations on the ear
- 5 Operations on the nose, mouth, and pharynx
- 6 Operations on the respiratory system
- 7 Operations on the cardiovascular system
- 8 Operations on the hemic and lymphatic system
- 9 Operations on the digestive system
- 10 Operations on the urinary system
- 11 Operations on the male genital organs
- 12 Operations on the female genital organs
- 13 Obstetrical procedures
- 14 Operations on the musculoskeletal system
- 15 Operations on the integumentary system
- 16 Miscellaneous diagnostic and therapeutic procedures
- 17 New categories specific to CPT/HCPCS

APPENDIX D

Clinical Classifications Software Refined (CCSR) High-Level and Single-Level Diagnosis Categories

CCSR High Level Diagnosis Group 1: Infectious and Parasitic Diseases

- 1 Tuberculosis
- 2 Septicemia
- 3 Bacterial infections
- 4 Fungal infections
- 5 Foodborne intoxications
- 6 HIV infection
- 7 Hepatitis
- 8 Viral infection
- 9 Parasitic, other specified and unspecified infections
- 10 Sexually transmitted infections (excluding HIV and hepatitis)
- 11 Sequela of specified infectious disease conditions
- 12 Coronavirus disease – 2019 (COVID-19)

CCSR High Level Diagnosis Group 2: Neoplasms

- 13 Head and neck cancers - eye
- 14 Head and neck cancers - lip and oral cavity
- 15 Head and neck cancers - throat
- 16 Head and neck cancers - salivary gland
- 17 Head and neck cancers - nasopharyngeal
- 18 Head and neck cancers - hypopharyngeal
- 19 Head and neck cancers - pharyngeal
- 20 Head and neck cancers - laryngeal
- 21 Head and neck cancers - tonsils
- 22 Head and neck cancers - all other types
- 23 Cardiac cancers
- 24 Gastrointestinal cancers - esophagus
- 25 Gastrointestinal cancers - stomach
- 26 Gastrointestinal cancers - small intestine
- 27 Gastrointestinal cancers – colorectal

- 28 Gastrointestinal cancers - anus
- 29 Gastrointestinal cancers - liver
- 30 Gastrointestinal cancers - bile duct
- 31 Gastrointestinal cancers - gallbladder
- 32 Gastrointestinal cancers - peritoneum
- 33 Gastrointestinal cancers - all other types
- 34 Respiratory cancers
- 35 Bone cancer
- 36 Sarcoma
- 37 Skin cancers - melanoma
- 38 Skin cancers - basal cell carcinoma
- 39 Skin cancers - squamous cell carcinoma
- 40 Skin cancers - all other types
- 41 Breast cancer - ductal carcinoma in situ (DCIS)
- 42 Breast cancer - all other types
- 43 Female reproductive system cancers - uterus
- 44 Female reproductive system cancers - cervix
- 45 Female reproductive system cancers - ovary
- 46 Female reproductive system cancers - fallopian tube
- 47 Female reproductive system cancers - endometrium
- 48 Female reproductive system cancers - vulva
- 49 Female reproductive system cancers - vagina
- 50 Female reproductive system cancers - all other types
- 51 Male reproductive system cancers - prostate
- 52 Male reproductive system cancers - testis
- 53 Male reproductive system cancers - penis
- 54 Male reproductive system cancers - all other types
- 55 Urinary system cancers - bladder
- 56 Urinary system cancers - ureter and renal pelvis
- 57 Urinary system cancers - kidney
- 58 Urinary system cancers - urethra
- 59 Urinary system cancers - all other types
- 60 Nervous system cancers – brain

- 61 Nervous system cancers - all other types
- 62 Endocrine system cancers - thyroid
- 63 Endocrine system cancers - pancreas
- 64 Endocrine system cancers - thymus
- 65 Endocrine system cancers - adrenocortical
- 66 Endocrine system cancers - parathyroid
- 67 Endocrine system cancers - pituitary gland
- 68 Endocrine system cancers - all other types
- 69 Hodgkin lymphoma
- 70 Non-Hodgkin lymphoma
- 71 Leukemia - acute lymphoblastic leukemia (ALL)
- 72 Leukemia - acute myeloid leukemia (AML)
- 73 Leukemia - chronic lymphocytic leukemia (CLL)
- 74 Leukemia - chronic myeloid leukemia (CML)
- 75 Leukemia - hairy cell
- 76 Leukemia - all other types
- 77 Multiple myeloma
- 78 Malignant neuroendocrine tumors
- 79 Mesothelioma
- 80 Myelodysplastic syndrome (MDS)
- 81 Cancer of other sites
- 82 Secondary malignancies
- 83 Malignant neoplasm, unspecified
- 84 Neoplasms of unspecified nature or uncertain behavior
- 85 Benign neoplasms
- 86 Conditions due to neoplasm or the treatment of neoplasm

CCSR High Level Diagnosis Group 3: Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism

- 87 Nutritional anemia
- 88 Hemolytic anemia
- 89 Aplastic anemia
- 90 Acute posthemorrhagic anemia
- 91 Sickle cell trait/anemia
- 92 Coagulation and hemorrhagic disorders
- 93 Diseases of white blood cells
- 94 Immunity disorders

- 95 Postprocedural or postoperative complications of the spleen
- 96 Other specified and unspecified hematologic conditions

CCSR High Level Diagnosis Group 4: Endocrine, Nutritional and Metabolic Diseases

- 97 Thyroid disorders
- 98 Diabetes mellitus without complication
- 99 Diabetes mellitus with complication
- 100 Diabetes mellitus, Type 1
- 101 Diabetes mellitus, Type 2
- 102 Diabetes mellitus, due to underlying condition, drug or chemical induced, or other specified type
- 103 Nutritional deficiencies
- 104 Malnutrition'
- 105 Obesity
- 106 Disorders of lipid metabolism
- 107 Fluid and electrolyte disorders
- 108 Cystic fibrosis
- 109 Pituitary disorders
- 110 Postprocedural or postoperative endocrine or metabolic complication
- 111 Other specified and unspecified endocrine disorders
- 112 Other specified and unspecified nutritional and metabolic disorders
- 113 Sequela of malnutrition and other nutritional deficiencies

CCSR High Level Diagnosis Group 5: Mental, Behavioral and Neurodevelopmental Disorders

- 114 Schizophrenia spectrum and other psychotic disorders
- 115 Depressive disorders
- 116 Bipolar and related disorders
- 117 Other specified and unspecified mood disorders
- 118 Anxiety and fear-related disorders
- 119 Obsessive-compulsive and related disorders
- 120 Trauma- and stressor-related disorders
- 121 Disruptive, impulse-control and conduct disorders

- 122 Personality disorders
- 123 Feeding and eating disorders
- 124 Somatic disorders
- 125 Suicidal ideation/attempt/intentional self-harm
- 126 Miscellaneous mental and behavioral disorders/conditions
- 127 Neurodevelopmental disorders
- 128 Alcohol-related disorders
- 129 Opioid-related disorders
- 130 Cannabis-related disorders
- 131 Sedative-related disorders
- 132 Stimulant-related disorders
- 133 Hallucinogen-related disorders
- 134 Inhalant-related disorders
- 135 Tobacco-related disorders
- 136 Other specified substance-related disorders
- 137 Mental and substance use disorders in remission
- 138 Suicide attempt/intentional self-harm; subsequent encounter
- 139 Opioid-related disorders; subsequent encounter
- 140 Stimulant-related disorders; subsequent encounter
- 141 Cannabis-related disorders; subsequent encounter
- 142 Hallucinogen-related disorders; subsequent encounter
- 143 Sedative-related disorders; subsequent encounter
- 144 Inhalant-related disorders; subsequent encounter
- 145 Mental and substance use disorders; sequela

CCSR High Level Diagnosis Group 6: Diseases of the Nervous System

- 146 Meningitis
- 147 Encephalitis
- 148 Other specified CNS infection and poliomyelitis
- 149 Parkinson`s disease
- 150 Multiple sclerosis
- 151 Other specified hereditary and degenerative nervous system conditions
- 152 Cerebral palsy
- 153 Paralysis (other than cerebral palsy)
- 154 Epilepsy; convulsions

- 155 Headache; including migraine
- 156 Neurocognitive disorders
- 157 Transient cerebral ischemia
- 158 Coma; stupor; and brain damage
- 159 CNS abscess
- 160 Polyneuropathies
- 161 Sleep wake disorders
- 162 Nerve and nerve root disorders
- 163 Myopathies
- 164 Nervous system pain and pain syndromes
- 165 Other specified nervous system disorders
- 166 Postprocedural or postoperative nervous system complication
- 167 Sequela of specified nervous system conditions

CCSR High Level Diagnosis Group 7: Diseases of the Eye and Adnexa

- 168 Cornea and external disease
- 169 Cataract and other lens disorders
- 170 Glaucoma
- 171 Uveitis and ocular inflammation
- 172 Retinal and vitreous conditions
- 173 Neuro-ophthalmology
- 174 Strabismus
- 175 Oculofacial plastics and orbital conditions
- 176 Refractive error
- 177 Blindness and vision defects
- 178 Postprocedural or postoperative eye complication
- 179 Other specified eye disorders

CCSR High Level Diagnosis Group 8: Diseases of the Ear and Mastoid Process

- 180 Otitis media
- 181 Diseases of middle ear and mastoid (except otitis media)
- 182 Diseases of inner ear and related conditions
- 183 Hearing loss
- 184 Postprocedural or postoperative ear and/or mastoid process complication
- 185 Other specified and unspecified disorders of the ear

CCSR High Level Diagnosis Group 9: Diseases of the Circulatory System

- 186 Chronic rheumatic heart disease
- 187 Acute rheumatic heart disease
- 188 Nonrheumatic and unspecified valve disorders
- 189 Endocarditis and endocardial disease
- 190 Myocarditis and cardiomyopathy
- 191 Pericarditis and pericardial disease
- 192 Essential hypertension
- 193 Hypertension with complications and secondary hypertension
- 194 Acute myocardial infarction
- 195 Complications of acute myocardial infarction
- 196 Coronary atherosclerosis and other heart disease
- 197 Nonspecific chest pain
- 198 Acute pulmonary embolism
- 199 Pulmonary heart disease
- 200 Other and ill-defined heart disease
- 201 Conduction disorders
- 202 Cardiac dysrhythmias
- 203 Cardiac arrest and ventricular fibrillation
- 204 Heart failure
- 205 Cerebral infarction
- 206 Acute hemorrhagic cerebrovascular disease
- 207 Sequela of hemorrhagic cerebrovascular disease
- 208 Occlusion or stenosis of precerebral or cerebral arteries without infarction
- 209 Other and ill-defined cerebrovascular disease
- 210 Sequela of cerebral infarction and other cerebrovascular disease
- 211 Peripheral and visceral vascular disease
- 212 Arterial dissections
- 213 Gangrene
- 214 Aortic; peripheral; and visceral artery aneurysms
- 215 Aortic and peripheral arterial embolism or thrombosis
- 216 Hypotension
- 217 Other specified and unspecified circulatory disease
- 218 Acute phlebitis; thrombophlebitis and thromboembolism

- 219 Chronic phlebitis; thrombophlebitis and thromboembolism
- 220 Varicose veins of lower extremity
- 221 Postthrombotic syndrome and venous insufficiency/hypertension
- 222 Vasculitis
- 223 Postprocedural or postoperative circulatory system complication
- 224 Other specified diseases of veins and lymphatics

CCSR High Level Diagnosis Group 10: Diseases of the Respiratory System

- 225 Sinusitis
- 226 Pneumonia (except that caused by tuberculosis)
- 227 Influenza
- 228 Acute and chronic tonsillitis
- 229 Acute bronchitis
- 230 Other specified upper respiratory infections
- 231 Other specified and unspecified upper respiratory disease
- 232 Chronic obstructive pulmonary disease and bronchiectasis
- 233 Asthma
- 234 Aspiration pneumonitis
- 235 Pleurisy, pleural effusion and pulmonary collapse
- 236 Respiratory failure; insufficiency; arrest
- 237 Lung disease due to external agents
- 238 Pneumothorax
- 239 Mediastinal disorders
- 240 Other specified and unspecified lower respiratory disease
- 241 Postprocedural or postoperative respiratory system complication

CCSR High Level Diagnosis Group 11: Diseases of the Digestive System

- 242 Intestinal infection
- 243 Disorders of teeth and gingiva
- 244 Diseases of mouth; excluding dental
- 245 Esophageal disorders
- 246 Gastroduodenal ulcer
- 247 Gastrointestinal and biliary perforation
- 248 Gastritis and duodenitis
- 249 Other specified and unspecified disorders of stomach and duodenum

250 Appendicitis and other appendiceal conditions
251 Abdominal hernia
252 Regional enteritis and ulcerative colitis
253 Intestinal obstruction and ileus
254 Diverticulosis and diverticulitis
255 Hemorrhoids
256 Anal and rectal conditions
257 Peritonitis and intra-abdominal abscess
258 Biliary tract disease
259 Hepatic failure
260 Other specified and unspecified liver disease
261 Pancreatic disorders (excluding diabetes)
262 Gastrointestinal hemorrhage
263 Noninfectious gastroenteritis
264 Noninfectious hepatitis
265 Postprocedural or postoperative digestive system complication
266 Other specified and unspecified gastrointestinal disorders

CCSR High Level Diagnosis Group 12: Diseases of the Skin and Subcutaneous Tissue

267 Skin and subcutaneous tissue infections
268 Other specified inflammatory condition of skin
269 Pressure ulcer of skin
270 Non-pressure ulcer of skin
271 Contact dermatitis
272 Postprocedural or postoperative skin complication
273 Other specified and unspecified skin disorders

CCSR High Level Diagnosis Group 13: Diseases of the Musculoskeletal System and Connective Tissue

274 Infective arthritis
275 Osteomyelitis
276 Rheumatoid arthritis and related disease
277 Juvenile arthritis
278 Other specified chronic arthropathy
279 Osteoarthritis

280 Other specified joint disorders
281 Immune-mediated/reactive arthropathies
282 Tendon and synovial disorders
283 Musculoskeletal pain, not low back pain
284 Spondylopathies/spondyloarthropathy (including infective)
285 Biomechanical lesions
286 Osteoporosis
287 Pathological fracture, initial encounter
288 Pathological fracture, subsequent encounter
289 Stress fracture, initial encounter'
290 Stress fracture, subsequent encounter
291 Atypical fracture, initial encounter
292 Atypical fracture, subsequent encounter
293 Pathological, stress and atypical fractures, sequela
294 Acquired foot deformities
295 Scoliosis and other postural dorsopathic deformities
296 Acquired deformities (excluding foot)
297 Systemic lupus erythematosus and connective tissue disorders
298 Other specified connective tissue disease
299 Muscle disorders
300 Musculoskeletal abscess
301 Other specified bone disease and musculoskeletal deformities
302 Disorders of jaw'
303 Aseptic necrosis and osteonecrosis
304 Traumatic arthropathy
305 Neurogenic/neuropathic arthropathy
306 Gout
307 Crystal arthropathies (excluding gout)
308 Osteomalacia
309 Autoinflammatory syndromes
310 Postprocedural or postoperative musculoskeletal system complication
311 Low back pain

CCSR High Level Diagnosis Group 14: Diseases of the Genitourinary System

312 Nephritis; nephrosis; renal sclerosis
313 Acute and unspecified renal failure

- 314 Chronic kidney disease
- 315 Urinary tract infections
- 316 Calculus of urinary tract
- 317 Other specified and unspecified diseases of kidney and ureters
- 318 Other specified and unspecified diseases of bladder and urethra
- 319 Urinary incontinence
- 320 Hematuria
- 321 Proteinuria
- 322 Vesicoureteral reflux
- 323 Hyperplasia of prostate
- 324 Inflammatory conditions of male genital organs
- 325 Erectile dysfunction
- 326 Male infertility
- 327 Other specified male genital disorders
- 328 Nonmalignant breast conditions
- 329 Inflammatory diseases of female pelvic organs
- 330 Endometriosis
- 331 Prolapse of female genital organs
- 332 Menstrual disorders
- 333 Benign ovarian cyst
- 334 Menopausal disorders
- 335 Female infertility
- 336 Other specified female genital disorders
- 337 Postprocedural or postoperative genitourinary system complication

CCSR High Level Diagnosis Group 15: Pregnancy, Childbirth and the Puerperium

- 338 Antenatal screening
- 339 Gestational weeks
- 340 Spontaneous abortion and complications of spontaneous abortion
- 341 Induced abortion and complications of termination of pregnancy
- 342 Ectopic pregnancy and complications of ectopic pregnancy

- 343 Molar pregnancy and other abnormal products of conception
- 344 Complications following ectopic and/or molar pregnancy
- 345 Supervision of high-risk pregnancy
- 346 Early, first or unspecified trimester hemorrhage
- 347 Hemorrhage after first trimester
- 348 Early or threatened labor
- 349 Multiple gestation
- 350 Maternal care related to fetal conditions
- 351 Polyhydramnios and other problems of amniotic cavity
- 352 Obstetric history affecting care in pregnancy
- 353 Previous C-section
- 354 Maternal care for abnormality of pelvic organs
- 355 Maternal care related to disorders of the placenta and placental implantation
- 356 Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium
- 357 Hypertension and hypertensive-related conditions complicating pregnancy; childbirth; and the puerperium
- 358 Maternal intrauterine infection
- 359 Prolonged pregnancy
- 360 Complications specified during childbirth
- 361 Malposition, disproportion or other labor complications
- 362 Anesthesia complications during pregnancy
- 363 OB-related trauma to perineum and vulva
- 364 Complications specified during the puerperium
- 365 Other specified complications in pregnancy
- 366 Uncomplicated pregnancy, delivery or puerperium
- 367 Maternal outcome of delivery

CCSR High Level Diagnosis Group 16: Certain Conditions Originating in the Perinatal Period

- 368 Liveborn
- 369 Short gestation; low birth weight; and fetal growth retardation
- 370 Neonatal acidemia and hypoxia
- 371 Neonatal cerebral disorders
- 372 Respiratory distress syndrome
- 373 Respiratory perinatal condition
- 374 Hemolytic jaundice and perinatal jaundice

- 375 Birth trauma
- 376 Perinatal infections
- 377 Newborn affected by maternal conditions or complications of labor/delivery
- 378 Hemorrhagic and hematologic disorders of newborn
- 379 Neonatal digestive and feeding disorders
- 380 Other specified and unspecified perinatal conditions
- 381 Neonatal abstinence syndrome
- 382 Fetal alcohol syndrome

CCSR High Level Diagnosis Group 17: Congenital Malformations, Deformations and Chromosomal Abnormalities

- 383 Cardiac and circulatory congenital anomalies
- 384 Digestive congenital anomalies
- 385 Genitourinary congenital anomalies
- 386 Nervous system congenital anomalies
- 387 Congenital malformations of eye, ear, face, neck
- 388 Cleft lip or palate
- 389 Respiratory congenital malformations
- 390 Musculoskeletal congenital conditions
- 391 Chromosomal abnormalities
- 392 Other specified and unspecified congenital anomalies

CCSR High Level Diagnosis Group 18: Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified

- 393 Syncope
- 394 Fever
- 395 Shock
- 396 Nausea and vomiting
- 397 Dysphagia
- 398 Abdominal pain and other digestive/abdomen signs and symptoms
- 399 Malaise and fatigue
- 400 Symptoms of mental and substance use conditions
- 401 Abnormal findings related to substance use

- 402 Nervous system signs and symptoms
- 403 Genitourinary signs and symptoms
- 404 Circulatory signs and symptoms
- 405 Respiratory signs and symptoms
- 406 Skin/Subcutaneous signs and symptoms
- 407 General sensation/perception signs and symptoms
- 408 Other general signs and symptoms
- 409 Abnormal findings without diagnosis

CCSR High Level Diagnosis Group 19: Injury, Poisoning and Certain Other Consequences of External Causes

- 410 Fracture of head and neck, initial encounter
- 411 Fracture of the spine and back, initial encounter
- 412 Fracture of torso, initial encounter
- 413 Fracture of the upper limb, initial encounter'
- 414 Fracture of the lower limb (except hip), initial encounter
- 415 Fracture of the neck of the femur (hip), initial encounter
- 416 Dislocations, initial encounter
- 417 Traumatic brain injury (TBI); concussion, initial encounter
- 418 Spinal cord injury (SCI), initial encounter
- 419 Internal organ injury, initial encounter
- 420 Open wounds of head and neck, initial encounter
- 421 Open wounds to limbs, initial encounter
- 422 Open wounds of trunk, initial encounter
- 423 Amputation of a limb, initial encounter
- 424 Amputation of other body parts, initial encounter
- 425 Injury to blood vessels, initial encounter
- 426 Superficial injury; contusion, initial encounter
- 427 Crushing injury, initial encounter
- 428 Burn and corrosion, initial encounter
- 429 Effect of foreign body entering opening, initial encounter
- 430 Effect of other external causes, initial encounter'
- 431 Poisoning by drugs, initial encounter
- 432 Toxic effects, initial encounter
- 433 Sprains and strains, initial encounter
- 434 Injury to nerves, muscles and tendons, initial encounter
- 435 Other specified injury
- 436 Other unspecified injury
- 437 Adverse effects of drugs and medicaments, initial encounter

438 Underdosing of drugs and medicaments, initial encounter
439 Drug induced or toxic related condition
440 Allergic reactions
441 Maltreatment/abuse
442 Complication of cardiovascular device, implant or graft, initial encounter
443 Complication of genitourinary device, implant or graft, initial encounter
444 Complication of internal orthopedic device or implant, initial encounter
445 Complication of transplanted organs or tissue, initial encounter
446 Complication of other surgical or medical care, injury, initial encounter
447 Fracture of head and neck, subsequent encounter
448 Fracture of the spine and back, subsequent encounter
449 Fracture of torso, subsequent encounter
450 Fracture of the upper limb, subsequent encounter
451 Fracture of lower limb (except hip), subsequent encounter
452 Fracture of the neck of the femur (hip), subsequent encounter
453 Dislocations, subsequent encounter
454 Traumatic brain injury (TBI); concussion, subsequent encounter
455 Spinal cord injury (SCI), subsequent encounter
456 Internal organ injury, subsequent encounter
457 Open wounds of head and neck, subsequent encounter
458 Open wounds to limbs, subsequent encounter
459 Open wounds of trunk, subsequent encounter
460 Amputation of a limb, subsequent encounter
461 Amputation of other body parts, subsequent encounter
462 Injury to blood vessels, subsequent encounter
463 Superficial injury; contusion, subsequent encounter
464 Crushing injury, subsequent encounter
465 Burns and corrosion, subsequent encounter
466 Effect of foreign body entering opening, subsequent encounter

467 Effect of other external causes, subsequent encounter
468 Poisoning by drugs, subsequent encounter
469 Toxic effects, subsequent encounter
470 Sprains and strains, subsequent encounter
471 Injury to nerves, muscles and tendons, subsequent encounter
472 Other specified injury, subsequent encounter
473 Other unspecified injuries, subsequent encounter
474 Adverse effects of drugs and medicaments, subsequent encounter
475 Underdosing of drugs and medicaments, subsequent encounter
476 Allergic reactions, subsequent encounter
477 Maltreatment/abuse, subsequent encounter
478 Complication of cardiovascular device, implant or graft, subsequent encounter
479 Complication of genitourinary device, implant or graft, subsequent encounter
480 Complication of internal orthopedic device or implant, subsequent encounter
481 Complication of other surgical or medical care, injury, subsequent encounter
482 Injury, sequela
483 Effect of other external causes, sequela
484 Poisoning/toxic effect/adverse effects/underdosing, sequela
485 Complication, sequela

CCSR High Level Diagnosis Group 20: External Causes of Morbidity

486 External cause codes: cut/pierce; initial encounter
487 External cause codes: drowning/submersion; initial encounter
488 External cause codes: fall; initial encounter
489 External cause codes: fire/burn; initial encounter
490 External cause codes: firearm; initial encounter
491 External cause codes: machinery; initial encounter
492 External cause codes: motor vehicle traffic (MVT); initial encounter
493 External cause codes: pedal cyclist; not MVT; initial encounter
494 External cause codes: pedestrian; not MVT; initial encounter
495 External cause codes: transport; not MVT; initial encounter
496 External cause codes: natural/environment; initial encounter
497 External cause codes: bites; initial encounter

498 External cause codes: overexertion; initial encounter
499 External cause codes: poisoning by drug
500 External cause codes: poisoning by non-drug
501 External cause codes: struck by; against; initial encounter
502 External cause codes: suffocation/inhalation; initial encounter
503 External cause codes: other specified, classifiable and NEC; initial encounter
504 External cause codes: unspecified mechanism
505 External cause codes: intent of injury, accidental/unintentional
506 External cause codes: intent of injury, self-harm
507 External cause codes: intent of injury, assault
508 External cause codes: intent of injury, undetermined
509 External cause codes: intent of injury, legal intervention/war
510 External cause codes: complications of medical and surgical care, initial encounter
511 External cause codes: activity codes
512 External cause codes: place of occurrence of the external cause
513 External cause codes: evidence of alcohol involvement
514 External cause codes: subsequent encounter
515 External cause codes: sequela

CCSR High Level Diagnosis Group 21: Factors Influencing Health Status and Contact with Health Services

516 Encounter for administrative purposes
517 Encounter for mental health services related to abuse

518 Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental disorders)
519 Encounter for prophylactic or other procedures
520 Encounter for prophylactic measures (excludes immunization)
521 Encounter for antineoplastic therapies
522 Encounter for mental health conditions

523 Neoplasm-related encounters
524 Implant, device or graft related encounter
525 Other aftercare encounter
526 Counseling related to sexual behavior or orientation
527 Other specified encounters and counseling
528 Contraceptive and procreative management
529 Medical examination/evaluation
530 Resistance to antimicrobial drugs
531 Exposure, encounters, screening or contact with infectious disease
532 No immunization or underimmunization
533 Screening for neurocognitive or neurodevelopmental condition
534 Socioeconomic/psychosocial factors
535 Lifestyle/life management factors
536 Personal/family history of disease
537 Acquired absence of limb or organ
538 Organ transplant status
539 Carrier status
540 Other specified status

Appendix E

Clinical Classifications Software Refined (CCSR) High-Level and Single-Level

Inpatient Procedure Categories

CCSR High Level Procedure Group 1: Administration of Therapeutic Substances

- 1 Transfusion of blood and blood products
- 2 Transfusion of plasma
- 3 Administration of albumin and globulin
- 4 Transfusion of clotting factors
- 5 Administration of thrombolytics and platelet inhibitors
- 6 Infusion of vasopressor
- 7 Intravenous induction of labor
- 8 Cervical ripening
- 9 Rh immunoglobulin and other serum infusion
- 10 Vaccinations
- 11 Administration and transfusion of bone marrow, stem cells, pancreatic islet cells, and t-cells
- 12 Chemotherapy
- 13 Peritoneal dialysis
- 14 Regional anesthesia
- 15 Administration of antibiotics
- 16 Administration of anti-inflammatory agents
- 17 Administration of nutritional and electrolytic substances
- 18 Irrigation (diagnostic and therapeutic)
- 19 Potential COVID-19 therapies
- 20 Administration of diagnostic substances, NEC
- 21 Administration of therapeutic substances, NEC
- 22 COVID-19 vaccinations

CCSR High Level Procedure Group 2: Cardiovascular Procedures

- 23 Heart biopsy
- 24 Heart conduction mechanism procedures
- 25 Coronary artery bypass grafts (CABG)
- 26 Percutaneous coronary interventions (PCI)
- 27 Other coronary artery procedures (excluding CABG and PCI)

- 28 Carotid endarterectomy and stenting
- 29 Embolectomy, endarterectomy, and related vessel procedures (non-endovascular; excluding carotid)
- 30 Angioplasty and related vessel procedures (endovascular; excluding carotid)
- 31 Left atrial appendage procedures
- 32 Ligation and embolization of vessels
- 33 Aneurysm repair procedures
- 34 Vessel repair and replacement
- 35 Heart and great vessel bypass procedures
- 36 Peripheral arterial bypass procedures
- 37 Peripheral arteriovenous fistula and shunt procedures
- 38 Portal and other venous bypass procedures
- 39 Pericardial procedures
- 40 Heart transplant
- 41 Septal repair and other therapeutic heart procedures
- 42 Saphenous vein harvest and other therapeutic vessel removal
- 43 Artery, vein, and great vessel procedures, NEC
- 44 Heart valve replacement and other valve procedures (non-endovascular)
- 45 Heart valve replacement and other valve procedures (endovascular)
- 46 Venous and arterial catheter placement
- 47 Placement of tunneled or implantable portion of a vascular access device
- 48 Pacemaker and defibrillator procedures
- 49 Heart assist device procedures
- 50 Inferior vena cava (IVC) filter procedures
- 51 Cardiovascular device procedures, NEC

CCSR High Level Procedure Group 3: Chiropractic Treatment'

- 52 Chiropractic manipulation

CCSR High Level Procedure Group 4: Central Nervous System Procedures

- 53 Minimally invasive CNS biopsy
- 54 Lumbar puncture
- 55 Spinal canal and spinal cord drainage (excluding lumbar puncture)
- 56 Intracranial epidural and subdural space drainage
- 57 Ventriculostomy [percutaneous approach]
- 58 Other CNS drainage and related procedures
- 59 CNS excision procedures
- 60 Spinal cord decompression
- 61 Decompressive craniectomy
- 62 Cerebrospinal fluid shunt procedures
- 63 Meninges repair
- 64 CNS neurostimulator procedures
- 65 Spinal epidural catheter placement
- 66 CNS procedures, NEC

CCSR High Level Procedure Group 5: Endocrine Procedures

- 67 Endocrine system biopsy
- 68 Thyroidectomy
- 69 Parathyroidectomy
- 70 Adrenalectomy
- 71 Pituitary gland resection
- 72 Endocrine procedures, NEC

CCSR High Level Procedure Group 6: Ear, Nose, and Throat Procedures

- 73 Laryngoscopy (diagnostic)
- 74 ENT diagnostic endoscopy (excluding laryngoscopy)
- 75 ENT diagnostic procedures (non-endoscopic)
- 76 Diagnostic audiology
- 77 Myringotomy
- 78 ENT drainage (excluding myringotomy)
- 79 Tonsilectomy and adenoidectomy
- 80 Nasal and sinus excision
- 81 Tongue excision
- 82 Salivary gland excision

- 83 Laryngectomy
- 84 ENT excision (excluding nasal passage, sinuses, tongue, salivary glands, larynx)
- 85 ENT repair
- 86 Frenectomy
- 87 Dental procedures
- 88 Face transplant
- 89 ENT procedures, NEC

CCSR High Level Procedure Group 7: Extracorporeal or Systemic Assistance and Performance

- 90 Hemodialysis
- 91 Extracorporeal membrane oxygenation
- 92 Mechanical ventilation
- 93 Non-invasive ventilation
- 94 Cardiac chest compression
- 95 Cardioversion
- 96 Cardiac pacing
- 97 Open heart cardiopulmonary bypass
- 98 Cardiac assistance with balloon pump
- 99 Cardiac assistance with ventricular assist device
- 100 Hyperbaric oxygen therapy

CCSR High Level Procedure Group 8: Extracorporeal or Systemic Therapies

- 101 Pheresis therapy
- 102 Phototherapy
- 103 Ultraviolet light therapy
- 104 Hypothermia therapy
- 105 Extracorporeal or systemic therapies, NEC

CCSR High Level Procedure Group 9: Eye Procedures

- 106 Eye procedures
- 107 Eyelid procedures

CCSR High Level Procedure Group 10: Female Reproductive System Procedures

- 108 Hysterectomy

- 109 Oophorectomy
- 110 Salpingectomy
- 111 Trachelectomy
- 112 Fallopian tube ligation and excision
- 113 Vulvar laceration repair
- 114 Female genital tract repair (excluding vulva)
- 115 Cervical dilation
- 116 Cervical cerclage
- 117 Female upper genital tract excision
- 118 Female lower genital tract excision
- 119 Intrauterine device (IUD) insertion
- 120 Subcutaneous contraceptive implant
- 121 Ovary or uterus transplant
- 122 Female reproductive system procedures, NEC

CCSR High Level Procedure Group 11: Gastrointestinal System Procedures

- 123 Esophagogastroduodenoscopy (EGD) with biopsy
- 124 Colonoscopy and proctoscopy with biopsy
- 125 GI system biopsy (non-endoscopic)
- 126 GI system endoscopy without biopsy (diagnostic)
- 127 Exploration of peritoneal cavity
- 128 Paracentesis
- 129 GI system drainage (excluding paracentesis)
- 130 Appendectomy
- 131 Colectomy
- 132 Gastrectomy
- 133 Small bowel resection
- 134 Duodenal resection
- 135 Proctectomy or anal resection
- 136 Esophagectomy
- 137 Omentectomy or peritoneum resection
- 138 GI system endoscopic therapeutic procedures
- 139 Gastrostomy
- 140 Ileostomy and colostomy
- 141 Gastro-jejunal bypass (including bariatric)
- 142 Anorectal repair (3rd and 4th degree obstetrical repairs and other)
- 143 GI system repair (excluding anorectal)

- 144 GI system lysis of adhesions
- 145 GI transplant
- 146 Other peritoneal cavity procedures
- 147 Other GI system device procedures
- 148 Upper GI therapeutic procedures, NEC (open and laparoscopic)
- 149 Upper GI therapeutic procedures, NEC (endoscopic)
- 150 Lower GI therapeutic procedures, NEC (open and laparoscopic)
- 151 Lower GI therapeutic procedures, NEC (excluding open and laparoscopic)

CCSR High Level Procedure Group 12: General Region Procedures

- 152 Cosmetic procedures
- 153 Abdominal wall repair (including hernia)
- 154 Inguinal and femoral hernia repair
- 155 Endoscopic control of bleeding
- 156 Control of bleeding (non-endoscopic)
- 157 Chest wall procedures, NEC
- 158 Mediastinal procedures, NEC
- 159 Abdominal wall procedures, NEC
- 160 Retroperitoneal procedures, NEC
- 161 Genitourinary tract procedures, NEC

CCSR High Level Procedure Group 13: Hepatobiliary and Pancreas Procedures

- 162 Liver biopsy
- 163 Pancreaticobiliary biopsy
- 164 Diagnostic ERCP with or without biopsy
- 165 Hepatobiliary resection and ablation
- 166 Pancreatectomy
- 167 Cholecystectomy
- 168 Biliary and pancreatic calculus removal
- 169 Common bile duct sphincterotomy and stenting
- 170 Pancreatic and proximal biliary dilation and stenting
- 171 Hepatobiliary and pancreatic drainage
- 172 Liver transplant
- 173 Pancreas transplant
- 174 Hepatobiliary and pancreatic procedures, NEC

CCSR High Level Procedure Group 14: Imaging

- 175 Cardiac and coronary fluoroscopy
- 176 Fluoroscopic angiography (excluding coronary)
- 177 Fluoroscopic guidance for circulatory system procedures
- 178 Fluoroscopy of non-circulatory organs
- 179 Magnetic resonance imaging (MRI)
- 180 Computerized tomography (CT) with contrast
- 181 Computerized tomography (CT) without contrast
- 182 Ultrasonography
- 183 Plain radiography
- 184 Fluorescence imaging

CCSR High Level Procedure Group 15: Lymphatic and Hemic System Procedures

- 185 Lymph node biopsy
- 186 Lymph node excision (therapeutic)
- 187 Lymph node dissection
- 188 Thymectomy
- 189 Splenectomy
- 190 Spleen procedures (excluding splenectomy)
- 191 Bone marrow biopsy
- 192 Bone marrow aspiration (therapeutic)
- 193 Thymus transplant
- 194 Spleen transplant
- 195 Lymphatic procedures, NEC

CCSR High Level Procedure Group 16: Measurement and Monitoring

- 196 Arterial oxygen saturation monitoring
- 197 Peripheral arterial pressure monitoring
- 198 Pulmonary arterial pressure monitoring
- 199 Cardiac stress tests
- 200 Measurement during cardiac catheterization
- 201 Pacemaker and defibrillator interrogation
- 202 Electrocardiogram (ECG)
- 203 Cardiac monitoring
- 204 Electrophysiologic studies
- 205 Other cardiovascular system measurement and monitoring
- 206 Electroencephalogram (EEG)

- 207 ICP and other CNS monitoring (excluding EEG)
- 208 Monitoring of peripheral nerves
- 209 Pulmonary function tests
- 210 Measurement and monitoring, NEC

CCSR High Level Procedure Group 17: Mental Health Therapy

- 211 Pharmacotherapy for mental health (excluding substance use)
- 212 Psychotherapy for mental health (excluding substance use)
- 213 Electroconvulsive therapy
- 214 Crisis intervention for mental health
- 215 Mental health procedures, NEC

CCSR High Level Procedure Group 18: Male Reproductive System Procedures

- 216 Circumcision
- 217 Penis procedures (excluding circumcision)
- 218 Prostatectomy
- 219 Prostate and seminal vesicle procedures (excluding prostatectomy)
- 220 Male perineum procedures
- 221 Male reproductive system transplant
- 222 Male reproductive system procedures, NEC

CCSR High Level Procedure Group 19: Musculoskeletal, Subcutaneous Tissue, and Fascia Procedures

- 223 Arthrocentesis
- 224 Bone and joint biopsy
- 225 Subcutaneous tissue, fascia, and muscle biopsy
- 226 Incision and drainage of musculoskeletal tissue and joints
- 227 Incision and drainage of subcutaneous tissue and fascia
- 228 Knee arthroplasty
- 229 Hip arthroplasty
- 230 Arthroplasty of other joint (excluding knee and hip)
- 231 Fixation of upper extremity bones
- 232 Femur fixation
- 233 Fixation of leg and foot bones
- 234 Bone fixation (excluding extremities)
- 235 Spine fusion

- 236 Joint fusion (excluding spine)
- 237 Closed reduction of bones and joints
- 238 Vertebral discectomy
- 239 Joint tissue excision (excluding discectomy)
- 240 Bone excision
- 241 Muscle, tendon, bursa, and ligament excision
- 242 Subcutaneous tissue and fascia excision
- 243 Perineal muscle laceration repair (2nd degree obstetrical and other)
- 244 Tendon, muscle, bursa, and ligament repair (excluding perineal)
- 245 Toe and mid foot amputation
- 246 Below knee amputation
- 247 Above knee and other proximal lower extremity amputation
- 248 Finger and other upper extremity amputation
- 249 Hand transplant
- 250 Subcutaneous tissue and fascia procedures, NEC
- 251 Musculoskeletal device procedures, NEC
- 252 Musculoskeletal procedures, NEC

CCSR High Level Procedure Group 20: Nuclear Medicine

- 253 Planar nuclear medicine imaging
- 254 Tomographic nuclear medicine imaging
- 255 Radionuclide therapy and non-imaging procedures
- 256 Positron emission tomographic (PET) imaging

CCSR High Level Procedure Group 21: Osteopathic Treatment'

- 257 Osteopathic treatment

CCSR High Level Procedure Group 22: Other Procedures

- 258 Robotic-assisted procedures
- 259 Computer-assisted procedures
- 260 Fluorescence-guided procedures
- 261 Isolation procedures
- 262 Therapeutic massage and related procedures

CCSR High Level Procedure Group 23: Pregnancy-Related Procedures

- 263 Fetal heart rate monitoring
- 264 Spontaneous vaginal delivery
- 265 Cesarean section
- 266 Assisted vaginal delivery
- 267 Episiotomy
- 268 Removal of placenta and other retained products of conception
- 269 Removal of ectopic pregnancy
- 270 Abortion
- 271 Pregnancy and fetal procedures, NEC

CCSR High Level Procedure Group 24: Dressings and Other Placements

- 272 Immobilization by splint or other external device
- 273 Packing and dressing procedures

CCSR High Level Procedure Group 25: Peripheral Nervous System Procedures

- 274 Lumbosacral nerve decompression
- 275 Cervicothoracic nerve decompression
- 276 Peripheral nerve decompression (excluding lumbosacral and cervicothoracic)
- 277 Nerve repair
- 278 Peripheral nerve denervation
- 279 Peripheral nerve procedures, NEC

CCSR High Level Procedure Group 26: Radiation Therapy

- 280 Beam radiation
- 281 Brachytherapy
- 282 Stereotactic radiosurgery
- 283 Radiation therapy, NEC

CCSR High Level Procedure Group 27: Respiratory System Procedures

- 284 Bronchoscopy (diagnostic)
- 285 Lung, pleura, or diaphragm biopsy (non-endoscopic)

- 286 Thoracentesis (diagnostic)
- 287 Bronchoscopy (therapeutic)
- 288 Chest tube placement and therapeutic thoracentesis
- 289 Open and thoracoscopic pleural drainage
- 290 Airway intubation
- 291 Lung, pleura, or diaphragm resection (open and thoracoscopic)
- 292 Bronchoscopic excision and fulguration
- 293 Tracheostomy
- 294 Diaphragmatic hernia repair
- 295 Release of lung and pleura
- 296 Lung transplant
- 297 Respiratory system procedures, NEC

CCSR High Level Procedure Group 28: Rehabilitation, Evaluation, and Treatment

- 298 Physical, occupational, and respiratory therapy evaluation
- 299 Physical, occupational, and respiratory therapy treatment
- 300 Speech therapy evaluation
- 301 Speech therapy treatment

CCSR High Level Procedure Group 29: Skin and Breast Procedures

- 302 Skin biopsy and diagnostic drainage
- 303 Incision and drainage of skin
- 304 Mastectomy and lumpectomy
- 305 Breast reconstruction
- 306 Perineal skin repair (1st degree obstetrical and other)
- 307 Skin laceration repair (excluding perineum)

- 308 Skin graft
- 309 Skin excision and debridement
- 310 Nail procedures
- 311 Skin and breast procedures, NEC

CCSR High Level Procedure Group 30: Substance Use Disorder Treatment

- 312 Substance use detoxification
- 313 Pharmacotherapy for substance use
- 314 Psychotherapy for substance use
- 315 Counseling for substance use

CCSR High Level Procedure Group 31: Urinary System Procedures

- 316 Cystoscopy and ureteroscopy (including biopsy)
- 317 Kidney and other urinary tract biopsy (non-endoscopic)
- 318 Ureter and other urinary tract dilation
- 319 Removal of calculi and other matter from urinary tract
- 320 Nephrostomy and ureterostomy procedures (including stents)
- 321 Bladder catheterization and drainage
- 322 Urinary tract repair
- 323 Nephrectomy and ureterectomy
- 324 Cystectomy (including fulguration) and urethrectomy
- 325 Urinary diversion with anastomosis or ostomy
- 326 Kidney transplant
- 327 Urinary system procedures, NEC

Appendix F

Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
1 Certain Infectious and Parasitic Diseases					
1 Tuberculosis	2	1	1	1	1
2 Septicemia	2,408	2,653	2,730	2,184	2,522
3 Bacterial infections	11	10	13	13	13
4 Fungal infections	9	3	10	8	5
5 Foodborne intoxications	1	1	1	2	4
6 HIV infection	9	10	10	9	13
7 Hepatitis	46	48	52	53	61
8 Viral infection	88	53	72	53	63
9 Parasitic, other specified and unspecified infections	85	63	78	56	120
10 Sexually transmitted infections (excluding HIV and hepatitis)	5	3	8	2	8
11 Sequela of specified infectious disease conditions	1	-	-	-	-
12 Coronavirus disease - 2019 (COVID-19)	-	-	-	249	1,341
Total	2,665	2,845	2,975	2,630	4,151
2 Neoplasms					
14 Head and neck cancers - lip and oral cavity	11	23	18	26	21
15 Head and neck cancers - throat	1	2	-	2	4
16 Head and neck cancers - salivary gland	1	2	2	3	4
17 Head and neck cancers - nasopharyngeal	-	2	-	1	-
18 Head and neck cancers - hypopharyngeal	1	-	2	2	4
19 Head and neck cancers - pharyngeal	-	-	-	-	3
20 Head and neck cancers - laryngeal	13	8	15	13	10
21 Head and neck cancers - tonsils	6	1	2	2	9
22 Head and neck cancers - all other types	2	4	6	4	2
23 Cardiac cancers	2	4	2	2	3
24 Gastrointestinal cancers - esophagus	31	19	30	27	30
25 Gastrointestinal cancers - stomach	22	26	29	22	28
26 Gastrointestinal cancers - small intestine	8	5	3	5	13
27 Gastrointestinal cancers - colorectal	214	236	163	168	169
28 Gastrointestinal cancers - anus	-	3	4	5	2
29 Gastrointestinal cancers - liver	23	22	12	17	17
30 Gastrointestinal cancers - bile duct	6	5	7	6	11
31 Gastrointestinal cancers - gallbladder	3	3	4	6	5
32 Gastrointestinal cancers - peritoneum	6	6	9	4	1
33 Gastrointestinal cancers - all other types	12	18	11	11	11
34 Respiratory cancers	179	149	152	99	128
35 Bone cancer	5	6	5	1	7
36 Sarcoma	7	9	9	2	5
37 Skin cancers - melanoma	-	4	1	3	2
38 Skin cancers - basal cell carcinoma	-	-	3	1	1
39 Skin cancers - squamous cell carcinoma	5	3	1	3	1
40 Skin cancers - all other types	-	-	1	-	1
41 Breast cancer - ductal carcinoma in situ (DCIS)	2	4	4	1	1
42 Breast cancer - all other types	35	46	45	25	19
43 Female reproductive system cancers - uterus	2	6	-	7	5
44 Female reproductive system cancers - cervix	4	17	8	13	6
45 Female reproductive system cancers - ovary	24	34	22	27	37
46 Female reproductive system cancers - fallopian tube	7	4	5	4	6
47 Female reproductive system cancers - endometrium	19	22	17	21	21
48 Female reproductive system cancers - vulva	2	2	5	2	4
49 Female reproductive system cancers - vagina	-	-	1	2	1
50 Female reproductive system cancers - all other types	10	2	5	2	6
51 Male reproductive system cancers - prostate	123	34	39	29	43
52 Male reproductive system cancers - testis	4	1	2	1	-
53 Male reproductive system cancers - penis	1	1	3	2	-
55 Urinary system cancers - bladder	48	46	45	45	38
56 Urinary system cancers - ureter and renal pelvis	15	22	17	16	9
57 Urinary system cancers - kidney	81	86	66	66	45
58 Urinary system cancers - urethra	2	1	2	-	-

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
59 Urinary system cancers - all other types	-	-	1	-	1
60 Nervous system cancers - brain	64	57	67	68	70
61 Nervous system cancers - all other types	1	4	4	1	2
62 Endocrine system cancers - thyroid	16	5	6	4	3
63 Endocrine system cancers - pancreas	50	46	39	34	52
64 Endocrine system cancers - thymus	3	1	1	1	1
65 Endocrine system cancers - adrenocortical	-	-	-	1	-
68 Endocrine system cancers - all other types	2	-	-	1	1
69 Hodgkin lymphoma	4	3	2	7	-
70 Non-Hodgkin lymphoma	71	53	59	68	63
71 Leukemia - acute lymphoblastic leukemia (ALL)	17	14	18	11	14
72 Leukemia - acute myeloid leukemia (AML)	7	25	21	26	27
73 Leukemia - chronic lymphocytic leukemia (CLL)	9	7	7	9	6
74 Leukemia - chronic myeloid leukemia (CML)	3	6	6	6	5
75 Leukemia - hairy cell	1	2	-	-	-
76 Leukemia - all other types	9	5	4	3	5
77 Multiple myeloma	23	32	26	26	39
78 Malignant neuroendocrine tumors	37	24	33	27	34
79 Mesothelioma	2	3	1	2	1
80 Myelodysplastic syndrome (MDS)	15	14	7	8	12
81 Cancer of other sites	2	3	3	2	5
82 Secondary malignancies	295	284	289	249	263
83 Malignant neoplasm, unspecified	10	11	6	6	9
84 Neoplasms of unspecified nature or uncertain behavior	37	39	33	25	44
85 Benign neoplasms	199	189	193	161	201
86 Conditions due to neoplasm or the treatment of neoplasm	138	151	118	107	104
Total	1,952	1,866	1,721	1,551	1,695
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune					
87 Nutritional anemia	94	93	113	92	87
88 Hemolytic anemia	11	15	9	15	10
89 Aplastic anemia	66	65	70	68	53
90 Acute posthemorrhagic anemia	82	89	93	93	125
91 Sickle cell trait/anemia	31	24	12	19	9
92 Coagulation and hemorrhagic disorders	68	85	82	64	56
93 Diseases of white blood cells	94	81	80	65	68
94 Immunity disorders	8	8	6	8	8
95 Postprocedural or postoperative complications of the spleen	1	-	1	2	-
96 Other specified and unspecified hematologic conditions	8	11	11	15	11
Total	463	471	477	441	427
4 Endocrine, Nutritional and Metabolic Diseases					
97 Thyroid disorders	32	27	31	31	23
98 Diabetes mellitus without complication	3	8	5	2	4
99 Diabetes mellitus with complication	713	732	827	720	805
103 Nutritional deficiencies	11	12	14	13	21
104 Malnutrition	25	15	19	14	17
105 Obesity	143	159	141	97	111
106 Disorders of lipid metabolism	1	3	2	3	4
107 Fluid and electrolyte disorders	429	447	477	401	462
108 Cystic fibrosis	167	139	121	32	35
109 Pituitary disorders	56	34	52	43	61
110 Postprocedural or postoperative endocrine or metabolic complication	4	3	2	3	2
111 Other specified and unspecified endocrine disorders	39	26	34	38	33
112 Other specified and unspecified nutritional and metabolic disorders	74	80	84	68	78
Total	1,697	1,685	1,809	1,465	1,656
5 Mental, Behavioral and Neurodevelopmental Disorders					
114 Schizophrenia spectrum and other psychotic disorders	304	331	355	327	336
115 Depressive disorders	788	825	686	505	633
116 Bipolar and related disorders	288	286	274	230	266
117 Other specified and unspecified mood disorders	74	127	79	78	91
118 Anxiety and fear-related disorders	47	61	56	53	53

Appendix F

Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
119 Obsessive-compulsive and related disorders	3	1	5	5	5
120 Trauma- and stressor-related disorders	155	208	262	201	159
121 Disruptive, impulse-control and conduct disorders	8	8	10	5	13
122 Personality disorders	77	83	83	73	67
123 Feeding and eating disorders	16	16	6	8	20
124 Somatic disorders	3	2	4	3	3
125 Suicidal ideation/attempt/intentional self-harm	226	200	169	145	181
126 Miscellaneous mental and behavioral disorders/conditions	9	7	3	5	1
127 Neurodevelopmental disorders	3	6	7	9	7
128 Alcohol-related disorders	547	656	612	640	743
129 Opioid-related disorders	27	22	19	22	31
130 Cannabis-related disorders	5	11	15	30	12
131 Sedative-related disorders	7	9	9	8	10
132 Stimulant-related disorders	14	7	12	11	17
133 Hallucinogen-related disorders	3	2	-	2	1
134 Inhalant-related disorders	-	2	1	-	-
136 Other specified substance-related disorders	17	17	25	25	16
137 Mental and substance use disorders in remission	-	1	2	1	2
138 Suicide attempt/intentional self-harm; subsequent encounter	-	-	1	-	-
Total	2,621	2,888	2,695	2,386	2,667
6 Diseases of the Nervous System					
146 Meningitis	52	42	37	32	39
147 Encephalitis	23	20	24	21	28
148 Other specified CNS infection and poliomyelitis	2	4	5	3	2
149 Parkinson`s disease	36	30	33	40	48
150 Multiple sclerosis	32	26	23	24	29
151 Other nervous system disorders (often hereditary or degenerative)	35	49	45	30	48
152 Cerebral palsy	1	1	1	2	-
153 Paralysis (other than cerebral palsy)	40	41	25	23	21
154 Epilepsy; convulsions	359	320	313	331	301
155 Headache; including migraine	109	130	122	73	74
156 Neurocognitive disorders	169	156	177	160	167
157 Transient cerebral ischemia	139	81	89	83	102
158 Coma; stupor; and brain damage	14	13	17	16	10
159 CNS abscess	18	16	26	21	33
160 Polyneuropathies	38	24	33	32	47
161 Sleep wake disorders	14	14	12	4	6
162 Nerve and nerve root disorders	19	28	23	23	22
163 Myopathies	24	19	22	17	21
164 Nervous system pain and pain syndromes	50	40	43	33	44
165 Other nervous system disorders (neither hereditary nor degenerative)	290	336	331	275	341
166 Postprocedural or postoperative nervous system complication	8	15	13	7	10
167 Sequela of specified nervous system conditions	4	1	1	-	-
Total	1,476	1,406	1,415	1,250	1,393
7 Diseases of the Eye and Adnexa					
168 Cornea and external disease	1	6	5	2	1
170 Glaucoma	1	2	3	3	1
171 Uveitis and ocular inflammation	1	2	1	-	2
172 Retinal and vitreous conditions	3	4	8	2	9
173 Neuro-ophthalmology	9	5	8	6	10
175 Oculofacial plastics and orbital conditions	4	8	6	6	7
177 Blindness and vision defects	2	7	1	7	8
178 Postprocedural or postoperative eye complication	1	-	1	1	-
179 Other specified eye disorders	6	3	4	2	3
Total	28	37	37	29	41
8 Diseases of the Ear and Mastoid Process					
180 Otitis media	7	4	7	1	3
181 Diseases of middle ear and mastoid (except otitis media)	8	7	10	3	3
182 Diseases of inner ear and related conditions	45	29	47	33	35
183 Hearing loss	1	-	1	-	1

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
184 Postprocedural or postoperative ear and/or mastoid process complication	-	-	-	-	1
185 Other specified and unspecified disorders of the ear	9	13	11	3	7
Total	70	53	76	40	50
9 Diseases of the Circulatory System					
186 Chronic rheumatic heart disease	35	28	45	29	29
187 Acute rheumatic heart disease	-	3	-	-	-
187 Acute rheumatic heart disease	-	3	-	-	-
188 Nonrheumatic and unspecified valve disorders	295	301	370	311	323
189 Endocarditis and endocardial disease	41	46	48	43	61
190 Myocarditis and cardiomyopathy	37	32	39	20	49
191 Pericarditis and pericardial disease	79	73	48	50	59
192 Essential hypertension	3	8	6	8	7
193 Hypertension with complications and secondary hypertension	115	132	128	116	116
194 Acute myocardial infarction	1,279	1,246	1,304	1,254	1,381
195 Complications of acute myocardial infarction	6	2	4	3	2
196 Coronary atherosclerosis and other heart disease	454	401	418	402	467
197 Nonspecific chest pain	184	195	165	117	132
198 Acute pulmonary embolism	304	306	327	294	331
199 Pulmonary heart disease	32	37	18	26	22
200 Other and ill-defined heart disease	23	32	33	32	31
201 Conduction disorders	123	129	134	133	134
202 Cardiac dysrhythmias	1,164	1,278	1,244	1,092	1,114
203 Cardiac arrest and ventricular fibrillation	42	31	22	17	24
204 Heart failure	1,664	1,680	1,798	1,539	1,658
205 Cerebral infarction	704	819	868	785	891
206 Acute hemorrhagic cerebrovascular disease	190	204	209	191	199
207 Sequela of hemorrhagic cerebrovascular disease	38	44	41	52	33
208 Occlusion or stenosis of precerebral or cerebral arteries without infarction	113	102	120	121	107
209 Other and ill-defined cerebrovascular disease	55	47	40	44	47
210 Sequela of cerebral infarction and other cerebrovascular disease	202	221	216	195	178
211 Peripheral and visceral vascular disease	118	103	115	128	132
212 Arterial dissections	30	24	22	27	48
213 Gangrene	9	8	12	13	14
214 Aortic; peripheral; and visceral artery aneurysms	81	94	88	73	116
215 Aortic and peripheral arterial embolism or thrombosis	30	21	23	30	25
216 Hypotension	71	101	125	113	109
217 Other specified and unspecified circulatory disease	17	10	19	12	15
218 Acute phlebitis; thrombophlebitis and thromboembolism	109	97	86	84	110
219 Chronic phlebitis; thrombophlebitis and thromboembolism	-	2	2	2	-
220 Varicose veins of lower extremity	5	13	9	11	13
221 Postthrombotic syndrome and venous insufficiency/hypertension	15	17	18	11	16
222 Postprocedural or postoperative circulatory system complication	37	26	27	21	28
224 Other specified diseases of veins and lymphatics	25	21	20	15	24
Total	7,729	7,934	8,211	7,414	8,045
10 Diseases of the Respiratory System					
225 Sinusitis	15	9	10	8	9
226 Pneumonia (except that caused by tuberculosis)	1,380	1,441	1,451	961	841
227 Influenza	257	442	298	221	3
228 Acute and chronic tonsillitis	9	14	16	7	11
229 Acute bronchitis	154	207	196	116	111
230 Other specified upper respiratory infections	70	55	71	45	46
231 Other specified and unspecified upper respiratory disease	25	12	17	14	20
232 Chronic obstructive pulmonary disease and bronchiectasis	1,471	1,171	1,096	706	803
233 Asthma	164	171	189	104	96
234 Aspiration pneumonitis	268	258	270	218	245
235 Pleurisy, pleural effusion and pulmonary collapse	118	105	101	87	122
236 Respiratory failure; insufficiency; arrest	699	717	883	730	651
237 Lung disease due to external agents	9	5	4	13	13
238 Pneumothorax	59	64	49	64	44
239 Mediastinal disorders	6	3	4	1	-
240 Other specified and unspecified lower respiratory disease	91	101	82	75	94

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
241 Postprocedural or postoperative respiratory system complication	31	26	31	29	35
Total	4,826	4,801	4,768	3,399	3,144
11 Diseases of the Digestive System					
242 Intestinal infection	328	341	331	201	208
243 Disorders of teeth and gingiva	21	24	12	12	11
244 Diseases of mouth; excluding dental	32	46	41	32	52
245 Esophageal disorders	111	103	99	90	127
246 Gastroduodenal ulcer	48	36	26	34	42
247 Gastrointestinal and biliary perforation	22	24	18	23	19
248 Gastritis and duodenitis	77	67	58	67	57
249 Other specified and unspecified disorders of stomach and duodenum	49	46	58	31	55
250 Appendicitis and other appendiceal conditions	312	278	295	227	243
251 Abdominal hernia	233	199	202	193	197
252 Regional enteritis and ulcerative colitis	171	156	163	154	183
253 Intestinal obstruction and ileus	625	592	597	574	676
254 Diverticulosis and diverticulitis	532	563	571	475	537
255 Hemorrhoids	31	15	23	12	11
256 Anal and rectal conditions	28	35	27	28	29
257 Peritonitis and intra-abdominal abscess	93	73	87	60	70
258 Biliary tract disease	451	464	536	431	519
259 Hepatic failure	106	99	134	148	147
260 Other specified and unspecified liver disease	125	164	148	160	202
261 Pancreatic disorders (excluding diabetes)	540	538	517	493	539
262 Gastrointestinal hemorrhage	555	540	530	444	508
263 Noninfectious gastroenteritis	179	174	185	163	147
264 Noninfectious hepatitis	6	6	10	7	10
265 Postprocedural or postoperative digestive system complication	141	125	106	122	125
266 Other specified and unspecified gastrointestinal disorders	213	192	191	200	232
Total	5,029	4,900	4,965	4,381	4,946
12 Diseases of the Skin and Subcutaneous Tissue					
267 Skin and subcutaneous tissue infections	803	724	751	634	693
268 Other specified inflammatory condition of skin	26	37	39	33	38
269 Pressure ulcer of skin	39	22	35	23	35
270 Non-pressure ulcer of skin	22	30	31	19	30
271 Contact dermatitis	5	2	2	3	6
272 Postprocedural or postoperative skin complication	27	19	23	13	22
273 Other specified and unspecified skin disorders	5	5	7	9	7
Total	927	839	888	734	831
13 Diseases of the Musculoskeletal System and Connective Tissue					
274 Infective arthritis	65	54	56	28	65
275 Osteomyelitis	113	141	129	115	126
276 Rheumatoid arthritis and related disease	15	20	19	19	9
277 Juvenile arthritis	2	3	2	-	1
279 Osteoarthritis	2,775	2,649	2,673	1,825	1,129
280 Other specified joint disorders	42	35	41	30	31
281 Immune-mediated/reactive arthropathies	-	2	6	-	-
282 Tendon and synovial disorders	32	54	45	45	54
283 Musculoskeletal pain, not low back pain	63	67	47	49	55
284 Spondylopathies/spondyloarthropathy (including infective)	670	659	598	460	528
286 Osteoporosis	75	80	128	146	121
287 Pathological fracture, initial encounter	53	65	52	60	61
288 Pathological fracture, subsequent encounter	8	20	8	12	6
289 Stress fracture, initial encounter	32	33	29	29	22
290 Stress fracture, subsequent encounter	6	5	1	2	-
291 Atypical fracture, initial encounter	1	1	4	-	2
293 Pathological, stress and atypical fractures, sequela	1	-	-	-	1
294 Acquired foot deformities	2	5	5	6	3
295 Scoliosis and other postural dorsopathic deformities	34	29	20	13	18
296 Acquired deformities (excluding foot)	8	7	4	5	8

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
297 Systemic lupus erythematosus and connective tissue disorders	34	31	33	36	36
298 Other specified connective tissue disease	45	78	57	58	53
299 Muscle disorders	78	60	84	72	76
300 Musculoskeletal abscess	1	2	4	1	1
301 Other specified bone disease and musculoskeletal deformities	14	16	14	6	7
302 Disorders of jaw	16	13	12	10	10
303 Aseptic necrosis and osteonecrosis	40	52	50	41	14
304 Traumatic arthropathy	10	6	5	3	4
305 Neurogenic/neuropathic arthropathy	-	3	2	6	2
306 Gout	25	24	22	17	19
307 Crystal arthropathies (excluding gout)	7	18	12	8	9
309 Autoinflammatory syndromes	-	-	1	-	-
310 Postprocedural or postoperative musculoskeletal system complication	57	40	40	30	29
311 Low back pain	24	38	41	30	35
Total	4,348	4,310	4,244	3,162	2,535
14 Diseases of the Genitourinary System					
312 Nephritis; nephrosis; renal sclerosis	11	13	15	11	12
313 Acute and unspecified renal failure	589	590	618	550	659
314 Chronic kidney disease	104	107	131	95	111
315 Urinary tract infections	735	723	743	684	750
316 Calculus of urinary tract	42	57	56	37	45
317 Other specified and unspecified diseases of kidney and ureters	173	163	155	174	172
318 Other specified and unspecified diseases of bladder and urethra	32	25	30	35	29
319 Urinary incontinence	3	1	4	2	1
320 Hematuria	27	24	38	24	41
322 Vesicoureteral reflux	3	6	6	11	5
323 Hyperplasia of prostate	47	42	31	47	51
324 Inflammatory conditions of male genital organs	30	49	31	37	42
325 Erectile dysfunction	-	-	1	1	2
327 Other specified male genital disorders	5	8	8	11	3
328 Nonmalignant breast conditions	14	20	10	18	7
329 Inflammatory diseases of female pelvic organs	24	32	23	22	32
330 Endometriosis	14	16	11	11	9
331 Prolapse of female genital organs	10	8	14	6	13
332 Menstrual disorders	6	10	16	6	5
333 Benign ovarian cyst	13	13	12	8	10
334 Menopausal disorders	4	3	6	1	7
336 Other specified female genital disorders	39	38	29	28	36
337 Postprocedural or postoperative genitourinary system complication	34	22	33	18	26
Total	1,959	1,970	2,021	1,837	2,068
15 Pregnancy, Childbirth and the Puerperium					
340 Spontaneous abortion and complications of spontaneous abortion	4	1	7	6	8
341 Induced abortion and complications of termination of pregnancy	8	6	5	7	3
342 Ectopic pregnancy and complications of ectopic pregnancy	7	7	4	9	3
343 Molar pregnancy and other abnormal products of conception	5	8	1	2	5
344 Complications following ectopic and/or molar pregnancy	-	-	1	1	-
346 Early, first or unspecified trimester hemorrhage	3	-	-	-	-
347 Hemorrhage after first trimester	6	9	13	9	3
348 Early or threatened labor	262	276	258	238	251
349 Multiple gestation	22	32	28	23	22
350 Maternal care related to fetal conditions	162	158	180	178	231
351 Polyhydramnios and other problems of amniotic cavity	68	73	60	56	73
352 Obstetric history affecting care in pregnancy	2	-	1	-	-
353 Previous C-section	426	422	460	412	406
354 Maternal care for abnormality of pelvic organs	19	11	9	12	13
355 Maternal care related to disorders of the placenta and placental implantation	77	69	73	81	74
356 Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium	191	198	196	199	272

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
357 Hypertension and hypertensive-related conditions complicating pregnancy; childbirth; and the puerperium	524	563	564	586	637
358 Maternal intrauterine infection	15	5	7	9	4
359 Prolonged pregnancy	689	716	684	567	597
360 Complications specified during childbirth	1,052	957	925	1,000	1,080
361 Malposition, disproportion or other labor complications	714	613	586	598	548
362 Anesthesia complications during pregnancy	1	-	1	-	-
363 OB-related trauma to perineum and vulva	554	591	480	348	272
364 Complications specified during the puerperium	69	63	64	62	88
365 Other specified complications in pregnancy	142	147	181	170	180
366 Uncomplicated pregnancy, delivery or puerperium	517	485	510	444	487
Total	5,539	5,410	5,298	5,017	5,257
16 Certain Conditions Originating in the Perinatal Period					
373 Respiratory perinatal condition	1	3	-	1	-
379 Neonatal digestive and feeding disorders	2	4	4	2	1
Total	3	7	4	3	1
17 Congenital Malformations, Deformations and Chromosomal Abnormalities					
383 Cardiac and circulatory congenital anomalies	52	36	29	43	46
384 Digestive congenital anomalies	28	25	19	26	19
385 Genitourinary congenital anomalies	25	23	25	15	10
386 Nervous system congenital anomalies	12	12	16	3	7
387 Congenital malformations of eye, ear, face, neck	-	-	1	2	-
388 Cleft lip or palate	3	-	5	3	-
389 Respiratory congenital malformations	9	15	22	16	5
390 Musculoskeletal congenital conditions	14	10	12	10	13
391 Chromosomal abnormalities	-	-	1	-	-
392 Other specified and unspecified congenital anomalies	4	4	3	1	1
Total	147	125	133	119	101
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified					
393 Syncope	196	152	180	137	142
394 Fever	99	79	70	68	67
395 Shock	6	16	21	20	27
396 Nausea and vomiting	71	69	84	86	88
397 Dysphagia	17	15	12	16	17
398 Abdominal pain and other digestive/abdomen signs and symptoms	156	142	138	119	83
399 Malaise and fatigue	103	116	100	117	125
400 Symptoms of mental and substance use conditions	9	4	4	4	3
402 Nervous system signs and symptoms	173	151	149	120	147
403 Genitourinary signs and symptoms	16	23	15	18	18
404 Circulatory signs and symptoms	81	72	73	60	66
405 Respiratory signs and symptoms	72	105	85	72	71
406 Skin/Subcutaneous signs and symptoms	20	18	9	10	9
407 General sensation/perception signs and symptoms	36	38	47	29	28
408 Other general signs and symptoms	105	92	131	114	151
409 Abnormal findings without diagnosis	103	119	119	87	102
Total	1,263	1,211	1,237	1,077	1,144
19 Injury, Poisoning and Certain Other Consequences of External Causes					
410 Fracture of head and neck, initial encounter	61	59	64	48	41
411 Fracture of the spine and back, initial encounter	178	192	190	148	166
412 Fracture of torso, initial encounter	248	260	259	195	239
413 Fracture of the upper limb, initial encounter	188	193	168	147	158
414 Fracture of the lower limb (except hip), initial encounter	502	494	477	391	455
415 Fracture of the neck of the femur (hip), initial encounter	685	664	721	592	687
416 Dislocations, initial encounter	19	16	15	10	14
417 Traumatic brain injury (TBI); concussion, initial encounter	288	324	271	273	262
418 Spinal cord injury (SCI), initial encounter	15	9	26	24	21
419 Internal organ injury, initial encounter	155	147	173	181	178
420 Open wounds of head and neck, initial encounter	23	21	19	17	17

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
421. Open wounds to limbs, initial encounter	50	43	41	28	31
422. Open wounds of trunk, initial encounter	5	9	4	9	14
423. Amputation of a limb, initial encounter	8	3	2	8	1
424. Amputation of other body parts, initial encounter	-	-	1	1	-
425. Injury to blood vessels, initial encounter	13	6	9	13	5
426. Superficial injury; contusion, initial encounter	75	82	58	68	57
427. Crushing injury, initial encounter	8	3	6	3	2
428. Burn and corrosion, initial encounter	35	34	32	33	34
429. Effect of foreign body entering opening, initial encounter	36	39	19	24	46
430. Effect of other external causes, initial encounter	16	18	22	10	21
431. Poisoning by drugs, initial encounter	178	157	147	136	159
432. Toxic effects, initial encounter	27	24	12	28	23
433. Sprains and strains, initial encounter	39	38	37	39	26
434. Injury to nerves, muscles and tendons, initial encounter	4	6	6	5	4
435. Other specified injury	37	47	47	34	38
436. Other unspecified injury	15	8	9	13	10
437. Adverse effects of drugs and medicaments, initial encounter	-	1	1	-	-
439. Drug induced or toxic related condition	64	81	78	76	101
440. Allergic reactions	26	31	27	26	24
441. Maltreatment/abuse	3	2	5	6	6
442. Complication of cardiovascular device, implant or graft, initial encounter	135	145	128	141	161
443. Complication of genitourinary device, implant or graft, initial encounter	155	171	195	164	209
444. Complication of internal orthopedic device or implant, initial encounter	200	243	243	194	183
445. Complication of transplanted organs or tissue, initial encounter	36	34	41	35	25
446. Complication of other surgical or medical care, injury, initial encounter	395	397	433	378	426
447. Fracture of head and neck, subsequent encounter	4	6	2	1	2
448. Fracture of the spine and back, subsequent encounter	31	31	37	23	28
449. Fracture of torso, subsequent encounter	44	35	36	40	27
450. Fracture of the upper limb, subsequent encounter	26	19	33	12	9
451. Fracture of lower limb (except hip), subsequent encounter	83	86	91	46	41
452. Fracture of the neck of the femur (hip), subsequent encounter	104	85	83	58	49
453. Dislocations, subsequent encounter	2	2	2	3	1
454. Traumatic brain injury (TBI); concussion, subsequent encounter	50	53	62	47	38
455. Spinal cord injury (SCI), subsequent encounter	12	13	11	12	8
456. Internal organ injury, subsequent encounter	3	2	7	5	5
457. Open wounds of head and neck, subsequent encounter	-	-	1	-	-
458. Open wounds to limbs, subsequent encounter	1	1	1	1	-
459. Open wounds of trunk, subsequent encounter	1	-	-	-	-
462. Injury to blood vessels, subsequent encounter	-	1	-	-	-
463. Superficial injury; contusion, subsequent encounter	2	1	-	3	1
464. Crushing injury, subsequent encounter	-	-	2	1	-
465. Burns and corrosion, subsequent encounter	2	1	1	1	-
468. Poisoning by drugs, subsequent encounter	1	-	1	-	-
469. Toxic effects, subsequent encounter	-	1	-	-	-
470. Sprains and strains, subsequent encounter	2	2	5	4	1
471. Injury to nerves, muscles and tendons, subsequent encounter	1	1	-	-	-
472. Other specified injury, subsequent encounter	1	-	1	1	1
473. Other unspecified injuries, subsequent encounter	-	-	2	-	2
476. Allergic reactions, subsequent encounter	-	-	-	1	-
478. Complication of cardiovascular device, implant or graft, subsequent encounter	2	6	-	-	2
479. Complication of genitourinary device, implant or graft, subsequent encounter	1	1	-	-	1
480. Complication of internal orthopedic device or implant, subsequent encounter	17	11	3	10	12
481. Complication of other surgical or medical care, injury, subsequent encounter	4	4	5	3	4
482. Injury, sequela	17	9	6	15	7
484. Poisoning/toxic effect/adverse effects/underdosing, sequela	-	-	-	-	1
485. Complication, sequela	1	3	1	-	1
Total	4,334	4,375	4,379	3,785	4,085

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Primary Diagnoses of Inpatient Stays in Vermont Hospitals

CCSR Single Level Categories by Discharge Year

* omits newborns

CCSR High Level Diagnosis Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Diagnosis Category					
21 Factors Influencing Health Status and Contact with Health Services					
518 Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental d	8	4	5	4	4
519 Encounter for prophylactic or other procedures	20	24	39	13	8
521 Encounter for antineoplastic therapies	176	191	172	255	268
523 Neoplasm-related encounters	15	23	16	13	13
524 Implant, device or graft related encounter	2	5	3	1	2
525 Other aftercare encounter	797	830	668	529	543
528 Contraceptive and procreative management	1	-	-	2	1
529 Medical examination/evaluation	-	1	-	-	-
531 Exposure, encounters, screening or contact with infectious disease	-	2	-	12	-
537 Acquired absence of limb or organ	1	1	1	1	-
540 Other specified status	4	2	3	2	1
Total	1,024	1,083	907	832	840
Total of Groups 1 - 21	48,100	48,218	48,260	41,552	45,077

APPENDIX G

Primary Diagnoses of Outpatient Services in Vermont Hospitals CCSR Single and High Level Diagnosis Groups by Discharge Year

CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
1 Certain Infectious and Parasitic Diseases					
1 Tuberculosis	-	1	-	-	-
2 Septicemia	5	3	1	4	3
3 Bacterial infections	14	11	17	7	16
4 Fungal infections	265	272	461	258	394
6 HIV infection	3	2	2	5	-
7 Hepatitis	45	38	23	14	12
8 Viral infection	101	106	101	62	105
9 Parasitic, other specified and unspecified infections	16	14	16	6	5
10 Sexually transmitted infections (excluding HIV and hepatitis)	49	41	57	28	32
11 Sequela of specified infectious disease conditions	-	-	-	-	8
12 Coronavirus disease - 2019 (COVID-19)	-	-	-	7	25
Total	498	488	678	391	600
2 Neoplasms					
13 Head and neck cancers - eye	3	2	5	-	1
14 Head and neck cancers - lip and oral cavity	44	66	75	76	89
15 Head and neck cancers - throat	15	14	16	21	28
16 Head and neck cancers - salivary gland	8	5	6	10	11
17 Head and neck cancers - nasopharyngeal	10	14	2	10	15
18 Head and neck cancers - hypopharyngeal	12	5	10	5	12
19 Head and neck cancers - pharyngeal	5	1	4	7	5
20 Head and neck cancers - laryngeal	100	77	78	93	97
21 Head and neck cancers - tonsils	21	39	40	30	33
22 Head and neck cancers - all other types	21	14	18	24	15
23 Cardiac cancers	-	1	1	-	-
24 Gastrointestinal cancers - esophagus	111	133	144	134	132
25 Gastrointestinal cancers - stomach	58	60	53	57	51
26 Gastrointestinal cancers - small intestine	7	11	14	5	9
27 Gastrointestinal cancers - colorectal	548	564	530	521	339
28 Gastrointestinal cancers - anus	28	41	38	38	50
29 Gastrointestinal cancers - liver	46	28	23	42	17
30 Gastrointestinal cancers - bile duct	9	19	15	16	17
31 Gastrointestinal cancers - gallbladder	2	8	7	7	10
32 Gastrointestinal cancers - peritoneum	18	14	30	37	13
33 Gastrointestinal cancers - all other types	7	15	11	7	11
34 Respiratory cancers	469	429	460	415	519
35 Bone cancer	5	6	15	10	16
36 Sarcoma	19	21	38	22	25
37 Skin cancers - melanoma	212	253	236	230	307
38 Skin cancers - basal cell carcinoma	1,082	1,148	1,253	1,076	1,692
39 Skin cancers - squamous cell carcinoma	506	531	513	533	737
40 Skin cancers - all other types	133	197	227	244	473
41 Breast cancer - ductal carcinoma in situ (DCIS)	93	101	149	98	124
42 Breast cancer - all other types	743	861	910	877	874
43 Female reproductive system cancers - uterus	34	31	16	13	17
44 Female reproductive system cancers - cervix	63	56	91	58	52
45 Female reproductive system cancers - ovary	153	111	133	92	71
46 Female reproductive system cancers - fallopian tube	29	18	21	13	7
47 Female reproductive system cancers - endometrium	204	187	163	163	160
48 Female reproductive system cancers - vulva	24	17	22	22	20
49 Female reproductive system cancers - vagina	5	4	3	6	6
50 Female reproductive system cancers - all other types	1	8	6	6	9
51 Male reproductive system cancers - prostate	242	360	389	432	472
52 Male reproductive system cancers - testis	29	37	28	32	27
53 Male reproductive system cancers - penis	4	5	5	8	5
54 Male reproductive system cancers - all other types	1	-	1	1	3
55 Urinary system cancers - bladder	714	637	622	592	694
56 Urinary system cancers - ureter and renal pelvis	35	23	35	26	38
57 Urinary system cancers - kidney	22	41	53	47	50
58 Urinary system cancers - urethra	8	6	10	11	8
59 Urinary system cancers - all other types	23	22	77	153	244

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Primary Diagnoses of Outpatient Services in Vermont Hospitals CCSR Single and High Level Diagnosis Groups by Discharge Year

CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
60 Nervous system cancers - brain	10	16	18	21	41
61 Nervous system cancers - all other types	1	3	1	2	-
62 Endocrine system cancers - thyroid	74	77	66	47	66
63 Endocrine system cancers - pancreas	173	181	177	192	116
64 Endocrine system cancers - thymus	12	37	16	25	8
65 Endocrine system cancers - adrenocortical	-	-	-	-	1
68 Endocrine system cancers - all other types	1	2	2	1	-
69 Hodgkin lymphoma	63	61	52	50	80
70 Non-Hodgkin lymphoma	541	552	500	383	381
71 Leukemia - acute lymphoblastic leukemia (ALL)	47	69	87	54	62
72 Leukemia - acute myeloid leukemia (AML)	89	111	113	72	91
73 Leukemia - chronic lymphocytic leukemia (CLL)	70	27	14	29	21
74 Leukemia - chronic myeloid leukemia (CML)	4	21	70	24	4
75 Leukemia - hairy cell	-	-	3	3	1
76 Leukemia - all other types	4	22	28	20	8
77 Multiple myeloma	130	168	182	151	119
78 Malignant neuroendocrine tumors	59	23	26	29	33
79 Mesothelioma	12	9	26	8	5
80 Myelodysplastic syndrome (MDS)	59	109	138	102	40
81 Cancer of other sites	9	11	7	6	4
82 Secondary malignancies	146	148	133	169	172
83 Malignant neoplasm, unspecified	32	31	21	20	22
84 Neoplasms of unspecified nature or uncertain behavior	363	477	1,559	324	479
85 Benign neoplasms	2,118	1,988	2,065	1,631	2,129
86 Conditions due to neoplasm or the treatment of neoplasm	28	42	22	21	7
Total	9971	10426	11922	9704	11495
3 Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism					
87 Nutritional anemia	346	379	375	353	426
88 Hemolytic anemia	5	4	7	6	4
89 Aplastic anemia	205	235	295	176	210
90 Acute posthemorrhagic anemia	2	5	3	4	2
91 Sickle cell trait/anemia	8	7	10	8	2
92 Coagulation and hemorrhagic disorders	43	47	38	27	39
93 Diseases of white blood cells	23	32	27	12	30
94 Immunity disorders	197	226	238	154	180
96 Other specified and unspecified hematologic conditions	4	7	27	4	10
Total	833	942	1020	744	903
4 Endocrine, Nutritional and Metabolic Diseases					
97 Thyroid disorders	186	150	163	115	485
98 Diabetes mellitus without complication	94	80	62	80	91
99 Diabetes mellitus with complication	911	853	1,073	910	862
103 Nutritional deficiencies	12	20	23	18	16
104 Malnutrition	1	-	3	2	2
105 Obesity	15	36	35	40	71
106 Disorders of lipid metabolism	38	34	28	19	19
107 Fluid and electrolyte disorders	10	18	18	7	11
108 Cystic fibrosis	159	199	240	150	193
109 Pituitary disorders	6	2	3	7	7
110 Postprocedural or postoperative endocrine or metabolic complication	3	2	2	-	2
111 Other specified and unspecified endocrine disorders	73	79	66	95	87
112 Other specified and unspecified nutritional and metabolic disorders	48	56	56	45	61
Total	1556	1529	1772	1488	1907
5 Mental, Behavioral and Neurodevelopmental Disorders					
114 Schizophrenia spectrum and other psychotic disorders	11	13	7	-	-
115 Depressive disorders	17	10	10	9	9
116 Bipolar and related disorders	16	23	34	27	6
117 Other specified and unspecified mood disorders	3	-	1	-	2
118 Anxiety and fear-related disorders	10	7	7	7	17
119 Obsessive-compulsive and related disorders	-	-	-	-	1
120 Trauma- and stressor-related disorders	7	3	8	5	6
122 Personality disorders	-	1	1	-	-

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Primary Diagnoses of Outpatient Services in Vermont Hospitals CCSR Single and High Level Diagnosis Groups by Discharge Year

CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
123 Feeding and eating disorders	1	-	-	2	1
124 Somatic disorders	50	52	53	12	6
126 Miscellaneous mental and behavioral disorders/conditions	31	30	56	40	28
127 Neurodevelopmental disorders	2	3	8	6	11
128 Alcohol-related disorders	1	1	1	-	1
129 Opioid-related disorders	-	14	5	3	11
130 Cannabis-related disorders	1	-	-	-	1
135 Tobacco-related disorders	251	24	38	23	42
136 Other specified substance-related disorders	-	-	-	-	1
137 Mental and substance use disorders in remission	15	3	3	3	2
Total	416	184	232	137	145
6 Diseases of the Nervous System					
146 Meningitis	-	1	2	3	1
147 Encephalitis	2	1	3	-	2
148 Other specified CNS infection and poliomyelitis	2	2	1	1	-
149 Parkinson's disease	78	103	108	60	89
150 Multiple sclerosis	42	29	40	52	10
151 Other nervous system disorders (often hereditary or degenerative)	275	334	377	331	53
152 Cerebral palsy	69	45	38	27	3
153 Paralysis (other than cerebral palsy)	94	68	70	79	11
154 Epilepsy; convulsions	34	30	42	21	28
155 Headache; including migraine	514	544	509	575	139
156 Neurocognitive disorders	9	5	14	1	11
157 Transient cerebral ischemia	4	6	5	5	5
158 Coma; stupor; and brain damage	10	12	10	22	36
159 CNS abscess	-	2	4	-	2
160 Polyneuropathies	325	364	368	309	414
161 Sleep wake disorders	481	487	453	2,254	3,405
162 Nerve and nerve root disorders	2,457	2,389	2,582	2,149	2,995
163 Myopathies	88	59	61	42	51
164 Nervous system pain and pain syndromes	48	67	76	53	53
165 Other nervous system disorders (neither hereditary nor degenerative)	54	51	73	55	52
166 Postprocedural or postoperative nervous system complication	8	17	12	11	9
Total	4594	4616	4848	6050	7369
7 Diseases of the Eye and Adnexa					
168 Cornea and external disease	142	204	226	147	156
169 Cataract and other lens disorders	4,338	4,792	4,475	3,448	4,108
170 Glaucoma	378	431	536	413	328
171 Uveitis and ocular inflammation	11	8	11	15	16
172 Retinal and vitreous conditions	2,310	2,518	2,853	2,995	1,096
173 Neuro-ophthalmology	24	24	38	20	30
174 Strabismus	43	63	70	49	57
175 Oculofacial plastics and orbital conditions	220	240	240	126	148
176 Refractive error	-	6	3	1	3
177 Blindness and vision defects	47	36	41	30	49
178 Postprocedural or postoperative eye complication	13	11	12	10	12
179 Other specified eye disorders	17	15	14	11	17
Total	7543	8348	8519	7265	6020
8 Diseases of the Ear and Mastoid Process					
180 Otitis media	778	835	896	452	310
181 Diseases of middle ear and mastoid (except otitis media)	342	337	280	245	252
182 Diseases of inner ear and related conditions	143	160	153	157	142
183 Hearing loss	231	251	275	211	236
184 Postprocedural or postoperative ear and/or mastoid process complication	44	40	38	41	54
185 Other specified and unspecified disorders of the ear	1,961	2,054	2,129	1,802	2,087
Total	3499	3677	3771	2908	3081
9 Diseases of the Circulatory System					
186 Chronic rheumatic heart disease	3	2	4	2	2
188 Nonrheumatic and unspecified valve disorders	71	64	83	105	137
189 Endocarditis and endocardial disease	4	4	6	2	1

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Primary Diagnoses of Outpatient Services in Vermont Hospitals CCSR Single and High Level Diagnosis Groups by Discharge Year

CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
190 Myocarditis and cardiomyopathy	57	56	57	40	22
191 Pericarditis and pericardial disease	7	3	3	-	2
192 Essential hypertension	100	103	84	59	42
193 Hypertension with complications and secondary hypertension	2	3	1	2	1
194 Acute myocardial infarction	39	24	49	65	85
196 Coronary atherosclerosis and other heart disease	990	929	913	676	908
197 Nonspecific chest pain	128	116	94	71	113
198 Acute pulmonary embolism	29	21	31	21	24
199 Pulmonary heart disease	58	63	102	63	89
200 Other and ill-defined heart disease	34	28	17	9	15
201 Conduction disorders	92	118	109	118	110
202 Cardiac dysrhythmias	587	645	679	589	657
203 Cardiac arrest and ventricular fibrillation	4	2	4	3	2
204 Heart failure	65	41	57	56	77
205 Cerebral infarction	36	66	67	31	25
206 Acute hemorrhagic cerebrovascular disease	38	40	31	21	22
207 Sequela of hemorrhagic cerebrovascular disease	1	1	-	-	1
208 Occlusion or stenosis of precerebral or cerebral arteries without infarction	6	9	8	4	2
209 Other and ill-defined cerebrovascular disease	51	66	50	48	64
210 Sequela of cerebral infarction and other cerebrovascular disease	22	32	46	16	7
211 Peripheral and visceral vascular disease	375	437	471	316	392
212 Arterial dissections	3	1	4	3	3
213 Gangrene	12	7	8	8	15
214 Aortic; peripheral; and visceral artery aneurysms	19	19	25	22	37
215 Aortic and peripheral arterial embolism or thrombosis	3	5	8	4	7
216 Hypotension	9	6	2	6	5
217 Other specified and unspecified circulatory disease	40	27	52	56	46
218 Acute phlebitis; thrombophlebitis and thromboembolism	19	30	13	17	13
219 Chronic phlebitis; thrombophlebitis and thromboembolism	-	2	3	2	1
220 Varicose veins of lower extremity	179	138	207	165	195
221 Postthrombotic syndrome and venous insufficiency/hypertension	276	276	320	196	200
223 Postprocedural or postoperative circulatory system complication	3	1	1	3	3
224 Other specified diseases of veins and lymphatics	189	199	180	128	148
Total	3,551	3,584	3,789	2,927	3,473
10 Diseases of the Respiratory System					
225 Sinusitis	508	522	608	406	475
226 Pneumonia (except that caused by tuberculosis)	127	154	154	57	53
227 Influenza	-	2	-	1	-
228 Acute and chronic tonsillitis	518	534	541	303	323
229 Acute bronchitis	67	82	61	38	19
230 Other specified upper respiratory infections	54	64	81	49	32
231 Other specified and unspecified upper respiratory disease	1,379	1,352	1,420	913	1,108
232 Chronic obstructive pulmonary disease and bronchiectasis	2,363	2,509	2,677	1,533	1,496
233 Asthma	1,822	1,983	2,243	1,497	1,405
234 Aspiration pneumonitis	5	2	3	3	5
235 Pleurisy, pleural effusion and pulmonary collapse	234	211	203	155	205
236 Respiratory failure; insufficiency; arrest	29	27	48	54	49
237 Lung disease due to external agents	31	27	38	20	41
238 Pneumothorax	2	7	5	2	10
239 Mediastinal disorders	1	3	6	1	8
240 Other specified and unspecified lower respiratory disease	1,049	1,079	1,133	874	899
241 Postprocedural or postoperative respiratory system complication	17	10	13	13	12
Total	8206	8568	9234	5919	6140
11 Diseases of the Digestive System					
242 Intestinal infection	30	16	14	11	10
243 Disorders of teeth and gingiva	42	38	57	39	33
244 Diseases of mouth; excluding dental	115	169	182	91	204
245 Esophageal disorders	2,625	2,487	2,386	1,673	2,259
246 Gastroduodenal ulcer	142	106	111	61	76
247 Gastrointestinal and biliary perforation	2	1	-	-	4
248 Gastritis and duodenitis	583	439	353	305	333

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Primary Diagnoses of Outpatient Services in Vermont Hospitals CCSR Single and High Level Diagnosis Groups by Discharge Year

CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
249 Other specified and unspecified disorders of stomach and duodenum	482	276	283	198	280
250 Appendicitis and other appendiceal conditions	61	60	74	46	65
251 Abdominal hernia	2,212	2,018	2,008	1,789	1,988
252 Regional enteritis and ulcerative colitis	423	242	300	268	285
253 Intestinal obstruction and ileus	31	29	27	20	21
254 Diverticulosis and diverticulitis	374	272	261	216	190
255 Hemorrhoids	332	348	301	313	418
256 Anal and rectal conditions	345	349	338	281	339
257 Peritonitis and intra-abdominal abscess	60	54	120	65	125
258 Biliary tract disease	1,062	1,067	1,050	955	1,033
259 Hepatic failure	2	-	14	18	2
260 Other specified and unspecified liver disease	163	148	181	191	331
261 Pancreatic disorders (excluding diabetes)	103	86	76	50	67
262 Gastrointestinal hemorrhage	948	875	858	725	835
263 Noninfectious gastroenteritis	365	282	226	199	297
264 Noninfectious hepatitis	5	17	11	8	14
265 Postprocedural or postoperative digestive system complication	49	72	74	54	72
266 Other specified and unspecified gastrointestinal disorders	310	228	198	184	255
Total	10866	9679	9503	7760	9536
12 Diseases of the Skin and Subcutaneous Tissue					
267 Skin and subcutaneous tissue infections	275	251	302	253	290
268 Other specified inflammatory condition of skin	1,014	1,052	562	597	1,014
269 Pressure ulcer of skin	20	30	34	54	58
270 Non-pressure ulcer of skin	116	156	161	141	200
271 Contact dermatitis	20	29	30	69	78
272 Postprocedural or postoperative skin complication	18	16	28	17	23
273 Other specified and unspecified skin disorders	2,917	2,864	3,357	2,585	3,849
Total	4380	4398	4474	3716	5512
13 Diseases of the Musculoskeletal System and Connective Tissue					
274 Infective arthritis	11	9	10	6	7
275 Osteomyelitis	123	134	141	169	143
276 Rheumatoid arthritis and related disease	95	78	68	37	44
277 Juvenile arthritis	2	-	4	7	5
279 Osteoarthritis	3,871	4,554	5,054	5,465	4,711
280 Other specified joint disorders	1,156	1,173	999	862	905
282 Tendon and synovial disorders	2,244	2,439	2,612	2,226	2,340
283 Musculoskeletal pain, not low back pain	1,709	1,560	1,741	1,592	1,888
284 Spondylopathies/spondyloarthropathy (including infective)	7,425	7,107	7,233	6,346	8,139
285 Biomechanical lesions	5	3	6	2	11
286 Osteoporosis	53	27	44	29	44
287 Pathological fracture, initial encounter	7	11	5	10	4
288 Pathological fracture, subsequent encounter	6	3	4	1	3
289 Stress fracture, initial encounter	6	7	3	7	4
290 Stress fracture, subsequent encounter	3	4	4	2	1
293 Pathological, stress and atypical fractures, sequela	-	-	1	1	-
294 Acquired foot deformities	738	689	771	675	645
295 Scoliosis and other postural dorsopathic deformities	9	16	9	2	4
296 Acquired deformities (excluding foot)	95	70	72	56	54
297 Systemic lupus erythematosus and connective tissue disorders	129	129	144	69	117
298 Other specified connective tissue disease	1,148	1,275	1,300	1,256	1,352
299 Muscle disorders	197	120	109	73	48
300 Musculoskeletal abscess	1	1	1	1	1
301 Other specified bone disease and musculoskeletal deformities	124	138	143	105	152
302 Disorders of jaw	32	44	38	31	29
303 Aseptic necrosis and osteonecrosis	10	15	13	29	22
304 Traumatic arthropathy	8	3	7	2	6
305 Neurogenic/neuropathic arthropathy	5	6	4	6	5
306 Gout	32	31	20	12	10
307 Crystal arthropathies (excluding gout)	13	20	24	10	20
309 Autoinflammatory syndromes	-	1	-	-	-
310 Postprocedural or postoperative musculoskeletal system complication	29	24	51	27	39
311 Low back pain	343	262	228	244	173

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CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
Total	19629	19953	20863	19360	20926
14 Diseases of the Genitourinary System					
312 Nephritis; nephrosis; renal sclerosis	5	11	8	6	11
313 Acute and unspecified renal failure	42	52	63	57	95
314 Chronic kidney disease	2,992	2,825	3,311	3,432	3,657
315 Urinary tract infections	345	311	400	339	415
316 Calculus of urinary tract	1,176	1,300	1,210	1,262	1,309
317 Other specified and unspecified diseases of kidney and ureters	408	389	444	440	483
318 Other specified and unspecified diseases of bladder and urethra	604	578	602	595	574
319 Urinary incontinence	309	354	340	302	209
320 Hematuria	253	258	251	270	279
321 Proteinuria	4	2	2	1	17
322 Vesicoureteral reflux	5	3	1	7	9
323 Hyperplasia of prostate	377	358	385	333	401
324 Inflammatory conditions of male genital organs	25	29	28	21	18
325 Erectile dysfunction	20	27	16	23	15
326 Male infertility	7	6	4	3	10
327 Other specified male genital disorders	329	329	326	319	351
328 Nonmalignant breast conditions	826	893	1,043	805	1,032
329 Inflammatory diseases of female pelvic organs	87	99	106	65	103
330 Endometriosis	142	157	176	158	165
331 Prolapse of female genital organs	284	298	376	336	289
332 Menstrual disorders	407	353	303	226	244
333 Benign ovarian cyst	97	101	97	74	91
334 Menopausal disorders	355	351	323	179	248
335 Female infertility	175	214	190	47	8
336 Other specified female genital disorders	983	845	993	640	909
337 Postprocedural or postoperative genitourinary system complication	47	44	44	51	41
Total	10304	10187	11042	9991	10983
15 Pregnancy, Childbirth and the Puerperium					
338 Antenatal screening	9	7	5	27	12
339 Gestational weeks	3	3	5	11	16
340 Spontaneous abortion and complications of spontaneous abortion	37	44	36	35	39
341 Induced abortion and complications of termination of pregnancy	32	70	72	54	43
342 Ectopic pregnancy and complications of ectopic pregnancy	12	12	15	11	8
343 Molar pregnancy and other abnormal products of conception	135	147	152	112	93
345 Supervision of high-risk pregnancy	200	262	151	470	775
346 Early, first or unspecified trimester hemorrhage	5	16	11	4	2
347 Hemorrhage after first trimester	79	78	63	63	55
348 Early or threatened labor	735	539	433	376	303
349 Multiple gestation	49	57	42	43	52
350 Maternal care related to fetal conditions	523	418	454	354	535
351 Polyhydramnios and other problems of amniotic cavity	43	46	16	35	43
352 Obstetric history affecting care in pregnancy	-	-	-	-	1
353 Previous C-section	3	2	6	2	3
354 Maternal care for abnormality of pelvic organs	7	6	5	1	1
355 Maternal care related to disorders of the placenta and placental implantation	28	18	9	8	26
356 Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium	527	467	560	327	434
357 Hypertension and hypertensive-related conditions complicating pregnancy; childbirth; and the puerperium	342	271	351	242	272
359 Prolonged pregnancy	169	128	150	100	88
360 Complications specified during childbirth	54	17	24	16	8
361 Malposition, disproportion or other labor complications	78	94	61	93	94
362 Anesthesia complications during pregnancy	-	-	-	1	-
363 OB-related trauma to perineum and vulva	2	-	2	-	-
364 Complications specified during the puerperium	14	14	10	11	20
365 Other specified complications in pregnancy	887	1,024	995	896	820
366 Uncomplicated pregnancy, delivery or puerperium	409	649	494	288	234
Total	4,382	4,389	4,122	3,580	3,977
16 Certain Conditions Originating in the Perinatal Period					
368 Liveborn	-	-	-	1	1
369 Short gestation; low birth weight; and fetal growth retardation	6	-	11	3	3
371 Neonatal cerebral disorders	-	-	2	2	-
373 Respiratory perinatal condition	3	2	-	3	2
374 Hemolytic jaundice and perinatal jaundice	6	3	7	3	8
375 Birth trauma	1	-	-	-	-
376 Perinatal infections	-	-	-	-	1
377 Newborn affected by maternal conditions or complications of labor/delivery	1	-	2	-	-
378 Hemorrhagic and hematologic disorders of newborn	-	1	-	-	-
379 Neonatal digestive and feeding disorders	-	1	1	2	1

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CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
380 Other specified and unspecified perinatal conditions	1	3	0	2	0
381 Neonatal abstinence syndrome	-	-	1	-	-
Total	18	10	24	16	16
17 Congenital Malformations, Deformations and Chromosomal Abnormalities					
383 Cardiac and circulatory congenital anomalies	46	45	31	38	29
384 Digestive congenital anomalies	22	34	31	12	22
385 Genitourinary congenital anomalies	129	145	143	114	140
386 Nervous system congenital anomalies	4	5	8	4	6
387 Congenital malformations of eye, ear, face, neck	26	29	33	20	30
388 Cleft lip or palate	11	16	11	13	13
389 Respiratory congenital malformations	9	20	30	19	20
390 Musculoskeletal congenital conditions	75	83	64	59	53
391 Chromosomal abnormalities	6	3	3	8	2
392 Other specified and unspecified congenital anomalies	35	29	37	28	39
Total	363	409	391	315	354
18 Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified					
393 Syncope	60	78	60	45	31
394 Fever	4	6	6	2	5
396 Nausea and vomiting	128	138	144	106	151
397 Dysphagia	1,033	1,179	1,262	1,065	1,612
398 Abdominal pain and other digestive/abdomen signs and symptoms	2,064	2,408	2,394	2,141	2,643
399 Malaise and fatigue	70	52	106	85	110
400 Symptoms of mental and substance use conditions	-	-	2	-	1
402 Nervous system signs and symptoms	100	104	123	117	127
403 Genitourinary signs and symptoms	623	698	689	828	758
404 Circulatory signs and symptoms	108	128	139	166	216
405 Respiratory signs and symptoms	2,732	3,018	3,187	2,648	3,289
406 Skin/Subcutaneous signs and symptoms	594	620	709	578	875
407 General sensation/perception signs and symptoms	43	51	53	69	112
408 Other general signs and symptoms	562	654	612	509	670
409 Abnormal findings without diagnosis	1347	1355	1717	1178	1704
Total	9468	10489	11203	9537	12304
19 Injury, Poisoning and Certain Other Consequences of External Causes					
410 Fracture of head and neck, initial encounter	51	59	61	44	50
411 Fracture of the spine and back, initial encounter	10	7	6	8	13
412 Fracture of torso, initial encounter	3	2	0	1	0
413 Fracture of the upper limb, initial encounter	826	852	965	789	930
414 Fracture of the lower limb (except hip), initial encounter	439	510	538	496	530
415 Fracture of the neck of the femur (hip), initial encounter	2	3	2	2	7
416 Dislocations, initial encounter	65	58	69	66	69
417 Traumatic brain injury (TBI); concussion, initial encounter	0	2	2	1	2
418 Spinal cord injury (SCI), initial encounter	1	0	1	0	0
419 Internal organ injury, initial encounter	3	1	0	4	3
420 Open wounds of head and neck, initial encounter	23	28	30	31	32
421 Open wounds to limbs, initial encounter	191	190	187	205	203
422 Open wounds of trunk, initial encounter	3	7	7	5	5
423 Amputation of a limb, initial encounter	16	19	11	10	12
424 Amputation of other body parts, initial encounter	0	1	2	0	0
425 Injury to blood vessels, initial encounter	1	1	3	2	1
426 Superficial injury; contusion, initial encounter	58	57	72	56	77
427 Crushing injury, initial encounter	10	11	11	9	10
428 Burn and corrosion, initial encounter	4	9	23	12	20
429 Effect of foreign body entering opening, initial encounter	27	38	64	46	44
430 Effect of other external causes, initial encounter	1	3	2	3	5
431 Poisoning by drugs, initial encounter	0	0	0	1	0
432 Toxic effects, initial encounter	1	4	1	2	17
433 Sprains and strains, initial encounter	1428	1311	1356	1113	1258
434 Injury to nerves, muscles and tendons, initial encounter	42	47	55	42	85
435 Other specified injury	16	16	14	12	15
436 Other unspecified injury	43	28	47	29	32
437 Adverse effects of drugs and medicaments, initial encounter	0	2	0	0	1
439 Drug induced or toxic related condition	32	17	7	12	9
440 Allergic reactions	1	1	1	3	4
442 Complication of cardiovascular device, implant or graft, initial encounter	112	161	147	96	103
443 Complication of genitourinary device, implant or graft, initial encounter	64	59	77	75	63
444 Complication of internal orthopedic device or implant, initial encounter	343	384	338	319	344
445 Complication of transplanted organs or tissue, initial encounter	7	13	14	6	7
446 Complication of other surgical or medical care, injury, initial encounter	170	190	209	176	156
447 Fracture of head and neck, subsequent encounter	2	0	14	6	5

APPENDIX G

Primary Diagnoses of Outpatient Services in Vermont Hospitals CCSR Single and High Level Diagnosis Groups by Discharge Year

CCSR High Level Group	ICD-10-CM				
	2017	2018	2019	2020	2021
CCSR Single Level Group					
448 Fracture of the spine and back, subsequent encounter	10	6	3	2	1
449 Fracture of torso, subsequent encounter	2	1	2	0	2
450 Fracture of the upper limb, subsequent encounter	93	109	85	84	92
451 Fracture of lower limb (except hip), subsequent encounter	64	69	81	42	53
452 Fracture of the neck of the femur (hip), subsequent encounter	5	1	3	1	0
453 Dislocations, subsequent encounter	5	3	6	3	3
454 Traumatic brain injury (TBI); concussion, subsequent encounter	0	2	8	0	1
455 Spinal cord injury (SCI), subsequent encounter	0	3	5	4	0
456 Internal organ injury, subsequent encounter	5	2	1	2	2
457 Open wounds of head and neck, subsequent encounter	1	2	2	0	7
458 Open wounds to limbs, subsequent encounter	17	7	13	13	7
459 Open wounds of trunk, subsequent encounter	4	1	0	2	1
460 Amputation of a limb, subsequent encounter	2	2	1	2	0
462 Injury to blood vessels, subsequent encounter	0	1	0	0	0
463 Superficial injury; contusion, subsequent encounter	4	5	10	9	5
464 Crushing injury, subsequent encounter	2	1	1	1	1
465 Burns and corrosion, subsequent encounter	2	1	1	4	0
466 Effect of foreign body entering opening, subsequent encounter	12	7	6	6	6
467 Effect of other external causes, subsequent encounter	0	1	1	0	3
469 Toxic effects, subsequent encounter	0	1	0	0	3
470 Sprains and strains, subsequent encounter	60	56	57	91	46
471 Injury to nerves, muscles and tendons, subsequent encounter	12	8	2	7	5
472 Other specified injury, subsequent encounter	0	1	3	3	5
473 Other unspecified injuries, subsequent encounter	4	3	8	4	4
476 Allergic reactions, subsequent encounter	0	1	0	0	1
478 Complication of cardiovascular device, implant or graft, subsequent encounter	7	8	4	1	1
479 Complication of genitourinary device, implant or graft, subsequent encounter	11	7	3	7	7
480 Complication of internal orthopedic device or implant, subsequent encounter	25	13	18	19	6
481 Complication of other surgical or medical care, injury, subsequent encounter	11	11	13	8	7
482 Injury, sequela	18	9	12	12	14
484 Poisoning/toxic effect/adverse effects/underdosing, sequela	0	0	0	0	11
485 Complication, sequela	4	0	1	3	6
Total	4375	4433	4686	4012	4412
21. Factors Influencing Health Status and Contact with Health Services					
516 Encounter for administrative purposes	62	55	59	94	171
518 Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplas	68	90	144	116	131
519 Encounter for prophylactic or other procedures	290	321	297	191	249
520 Encounter for prophylactic measures (excludes immunization)	-	1	1	-	-
521 Encounter for antineoplastic therapies	8	7	41	213	139
522 Encounter for mental health conditions	-	-	1	-	-
523 Neoplasm-related encounters	16,884	15,506	15,085	11,106	15,924
524 Implant, device or graft related encounter	465	532	610	480	482
525 Other aftercare encounter	2,034	1,641	1,754	1,648	1,577
527 Other specified encounters and counseling	14	3	1	-	1
528 Contraceptive and procreative management	818	749	857	857	553
529 Medical examination/evaluation	1,728	1,621	1,494	1,041	1,191
531 Exposure, encounters, screening or contact with infectious disease	129	111	124	141	45
532 No immunization or underimmunization	7	-	-	-	-
533 Screening for neurocognitive or neurodevelopmental condition	-	1	-	-	-
535 Lifestyle/life management factors	21	18	10	17	15
536 Personal/family history of disease	4,154	3,123	3,396	2,639	1,617
537 Acquired absence of limb or organ	20	9	17	18	18
538 Organ transplant status	12	25	38	34	27
539 Carrier status	1	1	-	1	1
540 Other specified status	101	105	174	117	118
Total	26,816	23,919	24,103	18,713	22,259
Total of Groups 1 - 21	131,268	130,228	136,196	114,533	131,412

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
CCSR Single Level Procedure Category					
1 Administration of Therapeutic Substances					
1 Transfusion of blood and blood products	408	459	380	358	371
2 Transfusion of plasma	16	18	10	8	3
3 Administration of albumin and globulin	6	8	10	7	5
4 Transfusion of clotting factors	15	30	29	28	23
5 Administration of thrombolytics and platelet inhibitors	49	37	30	20	29
6 Infusion of vasopressor	110	136	147	168	161
7 Intravenous induction of labor	83	60	59	58	100
8 Cervical ripening	4	13	17	23	75
9 Rh immunoglobulin and other serum infusion	1	1	-	-	-
10 Vaccinations	163	195	181	106	111
11 Administration and transfusion of bone marrow, stem cells, pancreatic islet cells, and t-cell	5	3	9	17	17
12 Chemotherapy	178	205	181	252	277
13 Peritoneal dialysis	14	5	11	9	6
14 Regional anesthesia	113	112	157	117	159
15 Administration of antibiotics	551	537	659	517	521
16 Administration of anti-inflammatory agents	181	209	151	189	263
17 Administration of nutritional and electrolytic substances	366	463	484	345	353
18 Irrigation (diagnostic and therapeutic)	18	15	29	35	41
19 Potential COVID-19 therapies	-	-	-	32	586
20 Administration of diagnostic substances, NEC	-	1	1	-	-
21 Administration of therapeutic substances, NEC	741	771	750	614	611
Total	3,022	3,278	3,295	2,903	3,712
2 Cardiovascular Procedures					
23 Heart biopsy	2	2	-	-	-
24 Heart conduction mechanism procedures	54	77	59	63	58
25 Coronary artery bypass grafts (CABG)	266	227	246	257	279
26 Percutaneous coronary interventions (PCI)	665	668	677	586	550
27 Other coronary artery procedures (excluding CABG and PCI)	3	3	-	2	1
28 Carotid endarterectomy and stenting	118	109	135	122	121
29 Embolectomy, endarterectomy, and related vessel procedures (non-endovascular; excluding	51	52	66	63	66
30 Angioplasty and related vessel procedures (endovascular; excluding carotid)	78	87	96	111	128
31 Left atrial appendage procedures	19	25	29	30	47
32 Ligation and embolization of vessels	103	78	84	91	88
33 Aneurysm repair procedures	69	67	89	77	105
34 Vessel repair and replacement	44	33	24	34	41
35 Heart and great vessel bypass procedures	-	-	1	-	1
36 Peripheral arterial bypass procedures	65	40	73	67	67
37 Peripheral arteriovenous fistula and shunt procedures	2	1	3	-	2
38 Portal and other venous bypass procedures	8	16	9	11	7
39 Pericardial procedures	29	15	14	14	18
41 Septal repair and other therapeutic heart procedures	8	5	6	1	5
42 Saphenous vein harvest and other therapeutic vessel removal	10	8	10	7	9
43 Artery, vein, and great vessel procedures, NEC	14	17	16	11	17
44 Heart valve replacement and other valve procedures (non-endovascular)	154	130	123	99	122
45 Heart valve replacement and other valve procedures (endovascular)	215	244	296	273	285
46 Venous and arterial catheter placement	530	543	508	411	472
47 Placement of tunneled or implantable portion of a vascular access device	32	46	48	52	56
48 Pacemaker and defibrillator procedures	231	247	225	244	262
49 Heart assist device procedures	8	14	21	8	3
50 Inferior vena cava (IVC) filter procedures	22	21	14	17	17
51 Cardiovascular device procedures, NEC	28	17	13	25	21
Total	2,828	2,792	2,885	2,676	2,848

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
4 Central Nervous System Procedures					
53 Minimally invasive CNS biopsy	26	16	26	29	23
54 Lumbar puncture	303	288	253	215	283
55 Spinal canal and spinal cord drainage (excluding lumbar puncture)	15	11	10	9	9
56 Intracranial epidural and subdural space drainage	56	59	48	62	56
57 Ventriculostomy [percutaneous approach]	14	26	19	12	20
58 Other CNS drainage and related procedures	21	21	20	17	18
59 CNS excision procedures	92	95	122	89	127
60 Spinal cord decompression	28	18	23	18	33
61 Decompressive craniectomy	11	13	15	7	10
62 Cerebrospinal fluid shunt procedures	26	29	33	17	20
63 Meninges repair	4	7	15	3	2
64 CNS neurostimulator procedures	10	14	9	8	8
65 Spinal epidural catheter placement	4	4	8	7	4
66 CNS procedures, NEC	33	34	25	20	23
Total	643	635	626	513	636
5 Endocrine Procedures					
67 Endocrine system biopsy	2	7	5	5	6
68 Thyroidectomy	21	9	11	10	9
69 Parathyroidectomy	3	6	4	3	2
70 Adrenalectomy	13	8	6	5	4
71 Pituitary gland resection	19	10	15	12	6
72 Endocrine procedures, NEC	2	2	2	2	4
Total	60	42	43	37	31
6 Ear, Nose, and Throat Procedures					
73 Laryngoscopy (diagnostic)	60	64	50	41	52
74 ENT diagnostic endoscopy (excluding laryngoscopy)	8	18	15	13	9
75 ENT diagnostic procedures (non-endoscopic)	16	11	11	5	14
76 Diagnostic audiology	-	-	1	-	-
77 Myringotomy	5	5	6	2	2
78 ENT drainage (excluding myringotomy)	29	32	27	21	25
79 Tonsilectomy and adenoidectomy	7	4	7	6	10
80 Nasal and sinus excision	13	10	6	5	8
81 Tongue excision	2	5	4	8	6
82 Salivary gland excision	2	2	1	2	3
83 Laryngectomy	9	7	17	12	12
84 ENT excision (excluding nasal passage, sinuses, tongue, salivary glands, larynx)	4	7	6	7	7
85 ENT repair	15	16	34	30	13
86 Frenectomy	-	1	-	-	-
87 Dental procedures	9	8	6	5	3
89 ENT procedures, NEC	13	11	15	13	10
Total	192	201	206	170	174
7 Extracorporeal or Systemic Assistance and Performance					
90 Hemodialysis	197	202	219	199	233
91 Extracorporeal membrane oxygenation	-	-	1	2	2
92 Mechanical ventilation	448	427	402	369	408
93 Non-invasive ventilation	575	652	709	600	751
94 Cardiac chest compression	17	15	27	25	27
95 Cardioversion	183	203	215	174	180
96 Cardiac pacing	6	6	2	5	3
97 Open heart cardiopulmonary bypass	-	1	-	1	1
98 Cardiac assistance with balloon pump	11	5	17	9	10
99 Cardiac assistance with ventricular assist device	1	1	1	-	5
Total	1,438	1,512	1,593	1,384	1,620

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
8 Extracorporeal or Systemic Therapies					
101 Pheresis therapy	12	11	13	12	13
105 Extracorporeal or systemic therapies, NEC	1	-	1	-	-
Total	13	11	14	12	13
9 Eye Procedures					
106 Eye procedures	10	8	14	10	2
107 Eyelid procedures	2	4	5	1	3
Total	12	12	19	11	5
10 Female Reproductive System Procedures					
108 Hysterectomy	147	152	120	108	121
109 Oophorectomy	9	15	12	10	14
110 Salpingectomy	19	16	15	11	13
111 Trachelectomy	2	-	-	-	-
112 Fallopian tube ligation and excision	5	6	3	-	4
113 Vulvar laceration repair	10	12	9	3	-
114 Female genital tract repair (excluding vulva)	8	10	10	4	2
115 Cervical dilation	7	6	1	8	28
116 Cervical cerclage	-	1	3	1	4
117 Female upper genital tract excision	18	22	19	18	21
118 Female lower genital tract excision	7	6	4	3	10
120 Subcutaneous contraceptive implant	-	-	2	3	3
122 Female reproductive system procedures, NEC	30	31	32	30	43
Total	262	277	230	199	263
11 Gastrointestinal System Procedures					
123 Esophagogastroduodenoscopy (EGD) with biopsy	262	235	254	223	279
124 Colonoscopy and proctoscopy with biopsy	140	115	140	109	117
125 GI system biopsy (non-endoscopic)	13	17	10	13	17
126 GI system endoscopy without biopsy (diagnostic)	354	317	299	260	313
127 Exploration of peritoneal cavity	20	36	37	23	36
128 Paracentesis	253	255	221	279	294
129 GI system drainage (excluding paracentesis)	147	133	147	157	166
130 Appendectomy	242	201	211	169	185
131 Colectomy	387	427	338	332	396
132 Gastrectomy	143	162	141	92	116
133 Small bowel resection	120	144	119	120	157
134 Duodenal resection	-	4	-	2	5
135 Proctectomy or anal resection	36	14	14	25	30
136 Esophagectomy	3	8	5	3	11
137 Omentectomy or peritoneum resection	8	6	10	3	6
138 GI system endoscopic therapeutic procedures	28	43	51	35	36
139 Gastrostomy	56	46	57	54	58
140 Ileostomy and colostomy	56	55	46	57	51
141 Gastro-jejunal bypass (including bariatric)	6	11	3	2	9
142 Anorectal repair (3rd and 4th degree obstetrical repairs and other)	17	7	11	11	10
143 GI system repair (excluding anorectal)	64	45	48	43	60
144 GI system lysis of adhesions	60	55	82	59	72
146 Other peritoneal cavity procedures	23	23	19	28	19
147 Other GI system device procedures	26	24	21	24	32
148 Upper GI therapeutic procedures, NEC (open and laparoscopic)	43	53	49	46	47
149 Upper GI therapeutic procedures, NEC (endoscopic)	39	51	57	48	72
150 Lower GI therapeutic procedures, NEC (open and laparoscopic)	17	32	27	20	24
151 Lower GI therapeutic procedures, NEC (excluding open and laparoscopic)	13	14	9	11	13
Total	2,576	2,533	2,426	2,248	2,631

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
12 General Region Procedures					
152 Cosmetic procedures	1	-	8	3	-
153 Abdominal wall repair (including hernia)	105	92	88	69	73
154 Inguinal and femoral hernia repair	30	28	26	28	36
155 Endoscopic control of bleeding	102	91	98	71	76
156 Control of bleeding (non-endoscopic)	17	12	13	8	12
157 Chest wall procedures, NEC	10	10	11	9	8
158 Mediastinal procedures, NEC	4	5	6	6	6
159 Abdominal wall procedures, NEC	28	27	24	26	23
160 Retroperitoneal procedures, NEC	8	13	20	25	18
161 Genitourinary tract procedures, NEC	3	2	-	1	3
Total	308	280	294	246	255
13 Hepatobiliary and Pancreas Procedures					
162 Liver biopsy	35	36	25	44	36
163 Pancreaticobiliary biopsy	11	4	4	7	2
164 Diagnostic ERCP with or without biopsy	11	22	7	8	19
165 Hepatobiliary resection and ablation	12	16	12	7	16
166 Pancreatectomy	16	16	5	6	17
167 Cholecystectomy	305	301	357	291	312
168 Biliary and pancreatic calculus removal	50	51	46	38	55
169 Common bile duct sphincterotomy and stenting	44	42	31	45	46
170 Pancreatic and proximal biliary dilation and stenting	4	5	7	5	5
171 Hepatobiliary and pancreatic drainage	76	69	70	60	79
174 Hepatobiliary and pancreatic procedures, NEC	4	4	9	5	5
Total	568	566	573	516	592
14 Imaging					
175 Cardiac and coronary fluoroscopy	182	219	268	302	247
176 Fluoroscopic angiography (excluding coronary)	56	36	35	30	28
177 Fluoroscopic guidance for circulatory system procedures	0	0	1	1	1
178 Fluoroscopy of non-circulatory organs	35	34	32	23	13
179 Magnetic resonance imaging (MRI)	152	65	78	82	62
180 Computerized tomography (CT) with contrast	547	431	515	473	346
181 Computerized tomography (CT) without contrast	595	438	532	492	330
182 Ultrasonography	616	604	696	440	303
183 Plain radiography	5	10	73	26	7
184 Fluorescence imaging	0	0	0	0	1
Total	2188	1837	2230	1869	1338
15 Lymphatic and Hemic System Procedures					
185 Lymph node biopsy	42	56	47	27	40
186 Lymph node excision (therapeutic)	5	5	3	1	3
187 Lymph node dissection	18	23	14	14	12
188 Thymectomy	5	0	4	3	3
189 Splenectomy	6	8	9	12	11
190 Spleen procedures (excluding splenectomy)	3	3	1	1	0
191 Bone marrow biopsy	58	76	48	65	72
192 Bone marrow aspiration (therapeutic)	0	0	0	0	2
195 Lymphatic procedures, NEC	2	0	0	3	0
Total	139	171	126	126	143

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
16 Measurement and Monitoring					
196 Arterial oxygen saturation monitoring	40	21	4	5	0
197 Peripheral arterial pressure monitoring	1	0	-	-	1
199 Cardiac stress tests	47	37	31	22	18
200 Measurement during cardiac catheterization	166	105	132	105	141
201 Pacemaker and defibrillator interrogation	12	10	11	13	12
202 Electrocardiogram (ECG)	427	276	1	5	0
203 Cardiac monitoring	270	184	175	70	14
204 Electrophysiologic studies	4	0	1	1	2
205 Other cardiovascular system measurement and monitoring	12	14	5	6	23
206 Electroencephalogram (EEG)	298	276	317	281	336
207 ICP and other CNS monitoring (excluding EEG)	3	1	1	1	3
208 Monitoring of peripheral nerves	22	6	17	10	29
209 Pulmonary function tests	1	0	3	0	0
210 Measurement and monitoring, NEC	1	4	3	5	6
Total	1304	934	701	524	585
17 Mental Health Therapy					
213 Electroconvulsive therapy	39	34	51	42	42
214 Crisis intervention for mental health	1	0	12	12	0
215 Mental health procedures, NEC	37	20	1	0	-
Total	77	54	64	54	42
18 Male Reproductive System Procedures					
216 Circumcision	2	5	2	2	1
217 Penis procedures (excluding circumcision)	5	2	14	9	11
218 Prostatectomy	136	36	36	34	45
219 Prostate and seminal vesicle procedures (excluding prostatectomy)	19	26	14	26	23
220 Male perineum procedures	3	1	1	3	2
222 Male reproductive system procedures, NEC	7	12	16	10	16
Total	172	82	83	84	98
19 Musculoskeletal, Subcutaneous Tissue, and Fascia Procedures					
223 Arthrocentesis	109	116	92	74	85
224 Bone and joint biopsy	80	89	83	74	90
225 Subcutaneous tissue, fascia, and muscle biopsy	54	74	49	54	61
226 Incision and drainage of musculoskeletal tissue and joints	72	70	70	58	77
227 Incision and drainage of subcutaneous tissue and fascia	100	88	99	87	94
228 Knee arthroplasty	1628	1497	1383	972	654
229 Hip arthroplasty	1320	1316	1406	990	643
230 Arthroplasty of other joint (excluding knee and hip)	266	284	315	258	197
231 Fixation of upper extremity bones	88	81	72	76	74
232 Femur fixation	572	583	618	507	578
233 Fixation of leg and foot bones	298	255	264	207	248
234 Bone fixation (excluding extremities)	81	95	64	67	80
235 Spine fusion	553	556	502	362	397
236 Joint fusion (excluding spine)	65	73	55	50	50
237 Closed reduction of bones and joints	89	67	80	61	74
238 Vertebral discectomy	43	29	31	36	31
239 Joint tissue excision (excluding discectomy)	28	33	37	25	31
240 Bone excision	102	86	89	77	99
241 Muscle, tendon, bursa, and ligament excision	31	43	34	36	66
242 Subcutaneous tissue and fascia excision	140	154	176	202	184
243 Perineal muscle laceration repair (2nd degree obstetrical and other)	114	78	79	19	19
244 Tendon, muscle, bursa, and ligament repair (excluding perineal)	33	22	20	14	15
245 Toe and mid foot amputation	101	144	153	141	149
246 Below knee amputation	26	46	51	63	44
247 Above knee and other proximal lower extremity amputation	31	27	34	27	26
248 Finger and other upper extremity amputation	12	8	9	9	7
250 Subcutaneous tissue and fascia procedures, NEC	63	72	91	49	44
251 Musculoskeletal device procedures, NEC	30	18	30	15	14
252 Musculoskeletal procedures, NEC	49	51	37	28	34
Total	6178	6055	6023	4638	4165

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
20 Nuclear Medicine					
253 Planar nuclear medicine imaging	4	3	3	0	1
254 Tomographic nuclear medicine imaging	71	32	34	19	5
255 Radionuclide therapy and non-imaging procedures	-	-	1	0	0
256 Positron emission tomographic (PET) imaging	3	2	0	1	1
Total	78	37	38	20	7
22 Other Procedures					
258 Robotic-assisted procedures	0	-	-	-	1
261 Isolation procedures	1	0	-	-	-
Total	1	0	-	-	1
23 Pregnancy-Related Procedures					
263 Fetal heart rate monitoring	105	121	115	119	83
264 Spontaneous vaginal delivery	3253	3309	3160	3038	3041
265 Cesarean section	1338	1277	1242	1240	1272
266 Assisted vaginal delivery	306	288	236	215	230
267 Episiotomy	9	4	3	1	6
268 Removal of placenta and other retained products of conception	10	19	12	11	19
269 Removal of ectopic pregnancy	3	5	3	4	4
270 Abortion	8	4	8	9	3
271 Pregnancy and fetal procedures, NEC	0	-	-	-	3
Total	5032	5027	4779	4637	4661
24 Dressings and Other Placements					
272 Immobilization by splint or other external device	34	28	30	30	25
273 Packing and dressing procedures	40	30	65	44	49
Total	74	58	95	74	74
25 Peripheral Nervous System Procedures					
274 Lumbosacral nerve decompression	26	26	41	29	48
275 Cervicothoracic nerve decompression	3	1	3	4	2
276 Peripheral nerve decompression (excluding lumbosacral and cervicothoracic)	6	3	4	5	4
277 Nerve repair	1	0	-	1	0
278 Peripheral nerve denervation	0	2	3	1	2
279 Peripheral nerve procedures, NEC	1	0	2	1	3
Total	37	32	53	41	59
26 Radiation Therapy					
280 Beam radiation	26	34	32	18	42
281 Brachytherapy	3	1	0	2	0
282 Stereotactic radiosurgery	-	1	1	0	1
283 Radiation therapy, NEC	-	1	0	2	1
Total	29	37	33	22	44
27 Respiratory System Procedures					
284 Bronchoscopy (diagnostic)	109	106	92	57	73
285 Lung, pleura, or diaphragm biopsy (non-endoscopic)	44	37	46	37	38
286 Thoracentesis (diagnostic)	94	68	88	59	50
287 Bronchoscopy (therapeutic)	9	23	18	17	9
288 Chest tube placement and therapeutic thoracentesis	262	271	287	252	272
289 Open and thoracoscopic pleural drainage	9	9	16	22	11
290 Airway intubation	191	182	195	186	227
291 Lung, pleura, or diaphragm resection (open and thoracoscopic)	107	77	70	56	38
292 Bronchoscopic excision and fulguration	5	4	6	7	9
293 Tracheostomy	27	24	34	32	34
294 Diaphragmatic hernia repair	26	5	12	19	14
295 Release of lung and pleura	7	2	4	7	7
297 Respiratory system procedures, NEC	19	17	16	9	21
Total	909	825	884	760	803

APPENDIX H

Inpatient Procedures in Vermont Hospitals CCSR Single and High Level Groups by Discharge Year

* omits newborns

CCSR High Level Procedure Group	ICD-10-PCS				
	2017	2018	2019	2020	2021
28 Rehabilitation, Evaluation, and Treatment					
298 Physical, occupational, and respiratory therapy evaluation	1	5	46	18	4
299 Physical, occupational, and respiratory therapy treatment	255	298	284	206	214
300 Speech therapy evaluation	1	0	4	0	-
301 Speech therapy treatment	6	11	3	1	0
Total	263	314	337	225	218
29 Skin and Breast Procedures					
302 Skin biopsy and diagnostic drainage	45	51	58	48	50
303 Incision and drainage of skin	78	90	55	58	73
304 Mastectomy and lumpectomy	26	22	33	12	12
305 Breast reconstruction	25	28	34	7	8
306 Perineal skin repair (1st degree obstetrical and other)	87	41	55	11	20
307 Skin laceration repair (excluding perineum)	83	87	88	90	85
308 Skin graft	24	27	33	22	32
309 Skin excision and debridement	92	85	70	74	75
310 Nail procedures	22	39	50	30	54
311 Skin and breast procedures, NEC	9	5	5	4	4
Total	491	475	481	356	413
30 Substance Use Disorder Treatment					
312 Substance use detoxification	291	331	317	399	434
313 Pharmacotherapy for substance use	8	15	21	9	3
Total	299	346	338	408	437
31 Urinary System Procedures					
316 Cystoscopy and ureteroscopy (including biopsy)	25	25	22	26	27
317 Kidney and other urinary tract biopsy (non-endoscopic)	31	29	31	25	27
318 Ureter and other urinary tract dilation	113	117	156	189	208
319 Removal of calculi and other matter from urinary tract	93	100	103	107	115
320 Nephrostomy and ureterostomy procedures (including stents)	47	48	58	56	66
321 Bladder catheterization and drainage	69	39	50	59	55
322 Urinary tract repair	16	15	20	14	12
323 Nephrectomy and ureterectomy	119	119	89	79	64
324 Cystectomy (including fulguration) and urethrectomy	46	41	45	46	45
325 Urinary diversion with anastomosis or ostomy	13	15	9	11	8
326 Kidney transplant	20	11	21	7	5
327 Urinary system procedures, NEC	15	16	19	21	20
Total	607	575	623	640	652
Total of Groups 1 - 31	29,800	28,998	29,092	25,393	26,520

APPENDIX I

Outpatient Procedures in Vermont Hospitals CCS Single and High Level Groups by Discharge Year

CCS High Level Procedure Groups					
CCS Single Level Procedure Categories	2017	2018	2019	2020	2021
1 Operations on the nervous system					
1 Incision & excision of CNS	131	139	152	126	158
2 Insertion, replacem, rem of extracranial ventricular shunt	39	36	40	20	26
3 Laminectomy, excision intervertebral disc	43	29	31	36	31
4 Diagnostic spinal tap	314	321	287	272	327
5 Insert cath, spinal stimulator, inject into spinal canal	5	6	8	10	5
6 Decompression peripheral nerve	35	30	48	38	54
7 Other diagnostic nervous system procedures	72	70	80	66	66
8 Other non-OR or closed therapeutic nerv syst procs	41	37	23	23	23
9 Other OR therapeutic nervous system procedures	107	108	121	93	122
Total	787	776	790	684	812
2 Operations on the endocrine system					
10 Thyroidectomy, partial or complete	20	8	11	10	8
11 Diagnostic endocrine procedures	3	7	6	5	6
12 Other therapeutic endocrine procedures	38	27	27	22	17
Total	61	42	44	37	31
3 Operations on the eye					
14 Glaucoma procedures	1	-	-	1	-
15 Lens & cataract procedures	-	1	2	2	-
16 Repair of retinal tear, detachment	1	-	1	-	-
17 Destruction of lesion of retina & choroid	-	-	1	-	-
18 Diagnostic procedures on eye	3	2	4	2	1
19 Other therapeutic procedures on eyelids, conjunctiva, cornea	3	9	7	5	5
20 Other intraocular therapeutic procedures	-	-	2	-	2
21 Other extraocular muscle & orbit therapeutic procedures	4	-	2	1	-
Total	12	12	19	11	8
4 Operations on the ear					
22 Tympanoplasty	-	-	1	-	-
23 Myringotomy	5	5	6	2	2
24 Mastoidectomy	1	-	-	-	1
25 Diagnostic procedures on ear	17	19	16	9	9
26 Other therapeutic ear procedures	29	24	41	29	31
Total	52	48	64	40	43
5 Operations on the nose, mouth, and pharynx					
28 Plastic procedures on nose	-	1	-	-	1
29 Dental procedures	9	10	6	6	6
30 Tonsillectomy and/or adenoidectomy	3	3	5	5	5
31 Diagnostic procedures on nose, mouth & pharynx	75	80	70	55	76
32 Other non-OR therapeutic procedures on nose, mouth & pharynx	11	12	20	13	11
33 Other OR therapeutic procedures on nose, mouth & pharynx	45	46	66	60	49
Total	143	152	167	139	148

APPENDIX I

Outpatient Procedures in Vermont Hospitals CCS Single and High Level Groups by Discharge Year

CCS High Level Procedure Groups					
	2017	2018	2019	2020	2021
CCS Single Level Procedure Categories					
6 Operations on the respiratory system					
34 Tracheostomy, temporary & permanent	25	24	32	32	34
35 Tracheoscopy & laryngoscopy with biopsy	12	8	11	4	6
36 Lobectomy or pneumonectomy	90	62	66	54	34
37 Diagnostic bronchoscopy & biopsy of bronchus	159	150	141	95	119
38 Other diagnostic procedures on lung & bronchus	1	5	2	5	-
39 Incision of pleura, thoracentesis, chest drainage	399	384	426	370	383
40 Other diagnostic proc of respiratory tract & mediastinum	16	15	22	12	16
41 Other non-OR therapeutic procedures on respiratory system	26	34	37	34	39
42 Other OR therapeutic procedures on respiratory system	59	49	44	45	37
Total	787	731	781	651	668
7 Operations on the cardiovascular system					
43 Heart valve procedures	367	370	416	370	401
44 Coronary artery bypass graft (CABG)	273	230	251	258	289
45 Percutaneous transluminal coronary angioplasty (PTCA)	708	681	704	618	572
48 Insert, revis, replacet, rem pacemaker or cardioverter/defib	240	251	236	253	276
49 Other OR heart procedures	78	99	93	81	81
51 Endarterectomy, vessel of head & neck	116	104	141	128	128
52 Aortic resection, replacement or anastomosis	11	8	6	6	12
54 Other vascular catheterization, not heart	778	857	766	646	760
55 Peripheral vascular bypass	68	43	77	70	75
56 Other vascular bypass & shunt, not heart	7	16	10	11	9
59 Other OR procedures on vessels of head & neck	79	64	75	83	77
60 Embolectomy & endarterectomy of lower limbs	49	51	70	68	83
61 Other OR procedures on vessels other than head & neck	238	228	221	258	288
62 Other diagnostic cardiovascular procedures	47	43	38	21	40
63 Other non-OR therapeutic cardiovascular procedures	136	113	122	111	157
Total	3,195	3,158	3,226	2,982	3,248
8 Operations on the hemic and lymphatic system					
65 Bone marrow biopsy	67	87	63	74	86
66 Procedures on spleen	9	11	10	13	11
67 Other therap procedures, hemic & lymphatic system	75	84	69	50	60
Total	151	182	142	137	157
9 Operations on the digestive system					
69 Esophageal dilatation	23	15	21	16	18
70 Upper gastrointestinal endoscopy, biopsy	560	526	512	461	594
71 Gastrostomy, temporary & permanent	62	53	53	40	38
72 Colostomy, temporary & permanent	27	32	30	33	31
73 Ileostomy & other enterostomy	35	35	24	30	27
74 Gastrectomy, partial & total	142	165	147	92	117
75 Small bowel resection	2	13	7	10	13
76 Colonoscopy & biopsy	102	89	113	84	98

APPENDIX I

Outpatient Procedures in Vermont Hospitals CCS Single and High Level Groups by Discharge Year

CCS High Level Procedure Groups					
	2017	2018	2019	2020	2021
CCS Single Level Procedure Categories					
77 Proctoscopy & anorectal biopsy	30	25	21	21	29
78 Colorectal resection	275	314	266	264	323
79 Local excision of large intestine lesion (not endoscopic)	96	102	60	66	74
80 Appendectomy	242	201	211	170	185
81 Hemorrhoid procedures	2	4	4	3	1
83 Biopsy of liver	36	38	24	39	26
84 Cholecystectomy & common duct exploration	306	301	359	294	314
85 Inguinal & femoral hernia repair	28	28	26	28	35
86 Other hernia repair	82	69	66	48	55
87 Laparoscopy	10	18	15	8	14
88 Abdominal paracentesis	206	231	189	244	249
89 Exploratory laparotomy	5	8	14	5	11
90 Excision, lysis peritoneal adhesions	60	56	81	61	76
92 Other bowel diagnostic procedures	116	100	110	99	110
93 Other non-OR upper GI therapeutic procedures	44	39	52	59	69
94 Other OR upper GI therapeutic procedures	77	80	65	64	92
95 Other non-OR lower GI therapeutic procedures	41	49	50	39	49
96 Other OR lower GI therapeutic procedures	275	258	253	237	280
97 Other gastrointestinal diagnostic procedures	125	112	130	145	149
98 Other non-OR gastrointestinal therapeutic procedures	279	261	244	224	264
99 Other OR gastrointestinal therapeutic procedures	143	115	105	91	125
Total	3,431	3,337	3,252	2,975	3,466
10 Operations on the urinary system					
100 Endoscopy & endoscopic biopsy of the urinary tract	27	29	27	29	29
101 Transurethral excision, drainage, rem urinary obstruction	86	81	110	97	108
102 Ureteral catheterization	112	122	6	3	15
103 Nephrotomy & nephrostomy	18	20	18	22	20
104 Nephrectomy, partial or complete	116	110	86	78	63
105 Kidney transplant	20	11	21	7	5
107 Extracorporeal lithotripsy, urinary	13	21	9	16	14
108 Indwelling catheter	65	41	31	51	35
109 Procedures on the urethra	21	7	10	16	17
110 Other diagnostic procedures of urinary tract	33	31	34	25	28
111 Other non-OR therapeutic procedures of urinary tract	78	67	90	80	89
112 Other OR therapeutic procedures of urinary tract	74	80	231	252	272
Total	663	620	673	676	695
11 Operations on the male genital organs					
113 Transurethral resection of prostate (TURP)	38	36	21	38	42
114 Open prostatectomy	117	24	28	22	23
115 Circumcision	2	5	2	2	1
116 Diagnostic procedures, male genital	2	3	1	1	3
117 Other non-OR therapeutic procedures, male genital	4	9	5	8	7
118 Other OR therapeutic procedures, male genital	9	7	26	16	21
Total	172	84	83	87	97
12 Operations on the female genital organs					
119 Oophorectomy, unilateral & bilateral	9	15	12	10	14
120 Other operations on ovary	8	9	8	3	9
121 Ligation of fallopian tubes	2	3	-	-	-
123 Other operations on fallopian tubes	27	21	18	13	20
124 Hysterectomy, abdominal & vaginal	148	152	120	108	121

APPENDIX I

Outpatient Procedures in Vermont Hospitals CCS Single and High Level Groups by Discharge Year

CCS High Level Procedure Groups					
	2017	2018	2019	2020	2021
CCS Single Level Procedure Categories					
125 Other excision of cervix & uterus	15	12	12	9	12
126 Abortion (termination of pregnancy)	8	4	8	9	3
127 D&C, aspiration after delivery or abortion	11	4	5	5	10
128 Diagnostic dilatation & curettage (D&C)	6	5	7	9	15
129 Repair cystocele & rectocele, oblit of vaginal vault	-	-	1	1	2
130 Other diagnostic procedures, female organs	5	13	10	11	7
131 Other non-OR therapeutic procedures, female organs	27	29	28	22	34
132 Other OR therapeutic procedures, female organs	22	19	16	15	25
Total	288	286	245	215	272
13 Obstetrical procedures					
122 Removal of ectopic pregnancy	3	5	3	4	3
133 Episiotomy	9	4	3	1	6
134 Cesarean section	1,345	1,283	1,245	1,248	1,301
135 Forceps, vacuum & breech delivery	216	206	203	167	185
136 Artificial rupture of membranes to assist delivery	86	71	29	43	36
137 Other procedures to assist delivery	3,320	3,342	3,193	3,067	3,152
138 Diagnostic amniocentesis	-	-	-	1	-
141 Other therapeutic obstetrical procedures	-	16	10	7	17
Total	4,979	4,927	4,686	4,538	4,700
14 Operations on the musculoskeletal system					
142 Partial excision bone	94	64	76	65	81
144 Treatment, facial fracture or dislocation	27	33	26	24	20
145 Treatment, fracture or disloc of radius & ulna	61	46	43	49	46
146 Treatment, fracture or disloc of hip & femur	597	603	640	534	607
147 Treatment, fracture or disloc of lower extremity	331	279	302	228	287
148 Other fracture & dislocation procedure	121	135	107	111	125
149 Arthroscopy	-	4	1	-	3
150 Division of joint capsule, ligament or cartilage	-	-	-	-	2
152 Arthroplasty knee	1,582	1,434	1,326	922	614
153 Hip replacement, total & partial	1,301	1,304	1,395	976	643
154 Arthroplasty other than hip or knee	261	284	311	255	193
155 Arthrocentesis	38	41	34	29	25
156 Injections & aspirations of muscles, tendons, etc.	27	23	22	28	29
157 Amputation of lower extremity	162	219	240	237	225
158 Spinal fusion	569	567	512	368	400

APPENDIX I

Outpatient Procedures in Vermont Hospitals CCS Single and High Level Groups by Discharge Year

CCS High Level Procedure Groups					
	2017	2018	2019	2020	2021
CCS Single Level Procedure Categories					
159 Other diagnostic procedures on musculoskeletal system	185	210	171	161	196
160 Other therapeutic procedures on muscles & tendons	206	159	145	88	108
161 Other OR therapeutic procedures on bone	55	56	56	40	49
162 Other OR therapeutic procedures on joints	159	181	176	132	145
163 Other non-OR therapeutic procedures on musc system	23	24	26	22	21
164 Other OR therapeutic procedures on musc system	28	27	28	16	17
Total	5,827	5,693	5,637	4,285	3,836
15 Operations on the integumentary system					
165 Breast biopsy & other diagnostic procedures on breast	1	6	8	3	6
166 Lumpectomy, quadrantectomy of breast	6	3	2	2	2
167 Mastectomy	20	19	31	10	10
168 Incision & drainage, skin & subcutaneous tissue	195	201	180	168	194
170 Excision of skin lesion	34	56	45	40	36
171 Suture of skin & subcutaneous tissue	199	166	181	145	130
172 Skin graft	24	27	33	23	32
173 Other diagnostic proc on skin & subcutaneous tissue	85	102	112	92	77
174 Other non-OR therapeutic procedures on skin & breast	188	185	177	164	206
175 Other OR therapeutic procedures on skin & breast	181	188	257	235	218
Total	933	953	1,026	882	911
Total of Groups 1 - 15	21,481	21,001	20,835	18,339	19,092

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
250	Pharmacy	7300	Drugs Charged to Patients
251	Pharmacy: Generic	7300	Drugs Charged to Patients
252	Pharmacy: Nongeneric	7300	Drugs Charged to Patients
254	Pharmacy: Incident to other diagnostic services	7300	Drugs Charged to Patients
255	Pharmacy: Incident to radiology	7300	Drugs Charged to Patients
256	Pharmacy: Experimental drugs	7300	Drugs Charged to Patients
257	Pharmacy: Non-prescription	7300	Drugs Charged to Patients
258	Pharmacy: IV solutions	7300	Drugs Charged to Patients
259	Pharmacy: Other	7300	Drugs Charged to Patients
260	IV Therapy	6400	Intravenous Therapy
261	IV Therapy: Infusion pump	6400	Intravenous Therapy
262	IV Therapy: IV Therapy, pharm services	6400	Intravenous Therapy
263	IV Therapy: IV Therapy/drug/supp/delivery	6400	Intravenous Therapy
264	IV Therapy: supplies	6400	Intravenous Therapy
269	IV Therapy: Other IV therapy	6400	Intravenous Therapy
270	Medical/Surgical Supplies	7100	Medical Supplies Charged to Patients
271	Medical/Surgical Supplies: Nonsterile supplies	7100	Medical Supplies Charged to Patients
272	Medical/Surgical Supplies: Sterile supplies	7100	Medical Supplies Charged to Patients
273	Medical/Surgical Supplies: Take home supplies	7100	Medical Supplies Charged to Patients
274	Medical/Surgical Supplies: Prosthetic/Orthotic devices	3540	Prosthetic Devices
275	Medical/Surgical Supplies: Pacemaker	7200	Impl. Dev. Charged to Patient
276	Medical/Surgical Supplies: Intraocular lens	7200	Impl. Dev. Charged to Patient
278	Medical/Surgical Supplies: Other implants	7200	Impl. Dev. Charged to Patient
279	Medical/Surgical Supplies: Other supplies/devices	7100	Medical Supplies Charged to Patients
280	Oncology	3480	Oncology
289	Oncology: Other oncology	3480	Oncology

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
299	Durable Medical Equipment: Other equipment	9700	Durable Medical Equip. - Sold
300	Laboratory - Clinical Diagnostic	3390	Laboratory - Clinical
301	Laboratory - Clinical Diagnostic: Chemistry	3180	Chemistry
302	Laboratory - Clinical Diagnostic: Immunology	3380	Immunology
303	Laboratory - Clinical Diagnostic: Renal patient (home)	3390	Laboratory - Clinical
304	Laboratory - Clinical Diagnostic: Nonroutine dialysis	3390	Laboratory - Clinical
305	Laboratory - Clinical Diagnostic: Hematology	3350	Hematology
306	Laboratory - Clinical Diagnostic: Bacteriology/microbiology	3050	Bacteriology & Microbiology
307	Laboratory - Clinical Diagnostic: Urology	3390	Laboratory - Clinical
309	Laboratory - Clinical Diagnostic: Other laboratory	3390	Laboratory - Clinical
310	Laboratory - Pathology	3420	Laboratory - Pathological
311	Laboratory - Pathology: Cytology	3240	Cytology
312	Laboratory - Pathology: Histology	3360	Histology
314	Laboratory - Pathology: Biopsy	3060	Biopsy
319	Laboratory - Pathology: Other	3420	Laboratory - Pathological
320	Radiology - Diagnostic	5400	Radiology - Diagnostic
321	Radiology - Diagnostic: Angiocardigraphy	3030	Angiocardigraphy
322	Radiology - Diagnostic: Arthrography	5400	Radiology - Diagnostic
323	Radiology - Diagnostic: Arteriography	3650	Vascular Lab
324	Radiology - Diagnostic: Chest X-ray	5400	Radiology - Diagnostic
329	Radiology - Diagnostic: Other	5400	Radiology - Diagnostic
330	Radiology - Therapeutic	5500	Radiology - Therapeutic
331	Radiology - Therapeutic: Chemotherapy - injected	3190	Chemotherapy
332	Radiology - Therapeutic: Chemotherapy - oral	3190	Chemotherapy
333	Radiology - Therapeutic: Radiation therapy	5500	Radiology - Therapeutic

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
335	Radiology - Therapeutic: Chemotherapy - IV	3190	Chemotherapy
339	Radiology - Therapeutic: Other	5500	Radiology - Therapeutic
340	Nuclear Medicine	3450	Nuclear Medicine - Diagnostic
341	Nuclear Medicine: Diagnostic	3450	Nuclear Medicine - Diagnostic
342	Nuclear Medicine: Therapeutic	3470	Nuclear Medicine - Therapeutic
343	Diagnostic Radiopharms	3450	Nuclear Medicine - Diagnostic
344	Therapeutic Radiopharms	3470	Nuclear Medicine - Therapeutic
349	Nuclear Medicine: Other	3450	Nuclear Medicine - Diagnostic
350	CT Scan	5700	CT Scan
351	CT Scan: Head	5700	CT Scan
352	CT Scan: Body	5700	CT Scan
359	CT Scan: Other CT scans	5700	CT Scan
360	Operating Room Services	5000	Operating Room
361	Operating Room Services: Minor surgery	5000	Operating Room
362	Operating Room Services: Organ transplant, not kidney	5000	Operating Room
367	Operating Room Services: Kidney transplant	5000	Operating Room
369	Operating Room Services: Other operating room services	5000	Operating Room
370	Anesthesia	5300	Anesthesiology
371	Anesthesia: Incident to radiology	5300	Anesthesiology
372	Anesthesia: Incident to other diag services	5300	Anesthesiology
379	Anesthesia: Other anesthesia	5300	Anesthesiology
380	Blood	6200	Whole Blood & Packed Red Blood Cells
381	Blood: Packed red cells	6200	Whole Blood & Packed Red Blood Cells
382	Blood: Whole blood	6200	Whole Blood & Packed Red Blood Cells
383	Blood: Plasma	6200	Whole Blood & Packed Red Blood Cells

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
384	Blood: Platelets	6200	Whole Blood & Packed Red Blood Cells
385	Blood: Leukocytes	6200	Whole Blood & Packed Red Blood Cells
386	Blood: Other components	6200	Whole Blood & Packed Red Blood Cells
387	Blood: Other derivatives	6200	Whole Blood & Packed Red Blood Cells
389	Blood: Other blood	6200	Whole Blood & Packed Red Blood Cells
390	Blood Storage/Processing	6300	Blood Storing, Processing, & Trans
391	Blood: Administration (e.g. Transfusion)	6300	Blood Storing, Processing, & Trans
392	Blood: Processing and Storage	6300	Blood Storing, Processing, & Trans
399	Other blood handling	6300	Blood Storing, Processing, & Trans
400	Other Imaging Services	5400	Radiology - Diagnostic
401	Other Imaging Services: Diagnostic mammography	3440	Mammography
402	Other Imaging Services: Ultrasound	3630	Ultra Sound
403	Other Imaging Services: Screening mammography	3440	Mammography
404	Other Imaging Services: PET scan	3450	Nuclear Medicine - Diagnostic
409	Other Imaging Services: Other imaging services	5400	Radiology - Diagnostic
410	Respiratory Services	6500	Respiratory Therapy
412	Respiratory Services: Inhalation services	6500	Respiratory Therapy
413	Respiratory Services: Hyperbaric oxygen therapy	6500	Respiratory Therapy
419	Respiratory Services: Other respiratory services	6500	Respiratory Therapy
420	Physical Therapy	6600	Physical Therapy
421	Physical Therapy: Visit charge	6600	Physical Therapy
422	Physical Therapy: Hourly charge	6600	Physical Therapy
423	Physical Therapy: Group rate	6600	Physical Therapy
424	Physical Therapy: Evaluation/re-evaluation	6600	Physical Therapy
429	Physical Therapy: Other physical therapy	6600	Physical Therapy

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
430	Occupational Therapy	6700	Occupational Therapy
431	Occupational Therapy: Visit charge	6700	Occupational Therapy
432	Occupational Therapy: Hourly charge	6700	Occupational Therapy
433	Occupational Therapy: Group rate	6700	Occupational Therapy
434	Occupational Therapy: Evaluation/re-evaluation	6700	Occupational Therapy
439	Occupational Therapy: Other occupational therapy	6700	Occupational Therapy
440	Speech-Language Pathology	6800	Speech Pathology
441	Speech-Language Pathology: Visit charge	6800	Speech Pathology
442	Speech-Language Pathology: Hourly charge	6800	Speech Pathology
443	Speech-Language Pathology: Group rate	6800	Speech Pathology
444	Speech-Language Pathology: Evaluation/ re-evaluation	6800	Speech Pathology
449	Speech-Language Pathology: Other speech language pathology	6800	Speech Pathology
450	Emergency Room	9100	Emergency
451	Emergency Room: EM/EMTALA	9100	Emergency
452	Emergency Room: ER/ Beyond EMTALA	9100	Emergency
456	Emergency Room: Urgent care	9100	Emergency
459	Emergency Room: Other emergency room	9100	Emergency
460	Pulmonary Function	3560	Pulmonary Function Testing
469	Pulmonary Function: Other	3560	Pulmonary Function Testing
470	Audiology	3040	Audiology
471	Audiology: Diagnostic	3040	Audiology
472	Audiology: Treatment	3040	Audiology
479	Audiology: Other audiology	3040	Audiology
480	Cardiology	3140	Cardiology
481	Cardiology: Cardiac catheter lab	5900	Cardiac Catheterization

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
482	Cardiology: Stress test	3620	Stress Test
483	Cardiology: Echocardiology	3260	Echocardiography
489	Cardiology: Other cardiology	3140	Cardiology
490	Ambulatory Surgery	7500	ASC (Non-Distinct Part)
499	Ambulatory Surgery: Other ambulatory surgical care	7500	ASC (Non-Distinct Part)
510	Clinic	9000	Clinic
511	Clinic: Chronic pain center	9000	Clinic
512	Clinic: Dental clinic	3250	Dental Services
513	Clinic: Psychiatric clinic	3550	Psychiatric/Psychological Services
514	Clinic: OB/GYN clinic	9000	Clinic
515	Clinic: Pediatric clinic	9000	Clinic
516	Clinic: Urgent care clinic	9000	Clinic
517	Clinic: Family clinic	4040	Family Practice
519	Clinic: Other clinic	9000	Clinic
530	Osteopathic Services	3530	Osteopathic Therapy
531	Osteopathic Services: Osteopathic therapy	3530	Osteopathic Therapy
539	Osteopathic Services: Other osteopathic services	3530	Osteopathic Therapy
610	Magnetic Resonance Tech. (MRT)	5800	Magnetic Resonance Imaging (MRI)
611	Magnetic Resonance Tech. (MRT): Brain (incl. Brainstem)	5800	Magnetic Resonance Imaging (MRI)
612	Magnetic Resonance Tech. (MRT): Spinal cord (incl. spine)	5800	Magnetic Resonance Imaging (MRI)
614	Magnetic Resonance Tech. (MRT): MRI - Other	5800	Magnetic Resonance Imaging (MRI)
615	Magnetic Resonance Tech. (MRT): MRA - Head and Neck	5800	Magnetic Resonance Imaging (MRI)
616	Magnetic Resonance Tech. (MRT): MRA - Lower Ext	5800	Magnetic Resonance Imaging (MRI)
618	Magnetic Resonance Tech. (MRT): MRA - Other	5800	Magnetic Resonance Imaging (MRI)
619	Magnetic Resonance Tech. (MRT): Other MRT	5800	Magnetic Resonance Imaging (MRI)

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
621	Med - Surg Supplies Ext. of 270: Incident to radiology	7100	Medical Supplies Charged to Patients
622	Med - Surg Supplies Ext. of 270: Incident to other diag.	7100	Medical Supplies Charged to Patients
623	Surgical dressings	7100	Medical Supplies Charged to Patients
624	Med - Surg Supplies Ext. of 270: Investigational Device (IDE)	7200	Impl. Dev. Charged to Patient
631	Drugs Require Specific ID: Single source drug	7300	Drugs Charged to Patients
632	Drugs Require Specific ID: Multiple source drug	7300	Drugs Charged to Patients
633	Drugs Require Specific ID: Restrictive prescription	7300	Drugs Charged to Patients
634	Drugs Require Specific ID: EPO under 10,000 units	7300	Drugs Charged to Patients
635	Drugs Require Specific ID: EPO over 10,000 units	7300	Drugs Charged to Patients
636	Drugs Require Specific ID: Drugs requiring detail coding	7300	Drugs Charged to Patients
637	Drugs Require Specific ID: Self admin drugs (insulin admin in emergency-diabetes coma)	7300	Drugs Charged to Patients
681	Trauma Response: Level I	9100	Emergency
682	Trauma Response: Level II	9100	Emergency
683	Trauma Response: Level III	9100	Emergency
684	Trauma Response: Level IV	9100	Emergency
689	Trauma Response: Other	9100	Emergency
700	Cast Room	9000	Clinic
710	Recovery Room	5100	Recovery Room
720	Labor Room	5200	Delivery Room & Labor Room
721	Labor Room: Labor	5200	Delivery Room & Labor Room
722	Labor Room: Delivery	5200	Delivery Room & Labor Room
723	Labor Room: Circumcision	3220	Circumcision
724	Labor Room: Birthing center	3070	Birthing Center
729	Labor Room: Other labor room/delivery	5200	Delivery Room & Labor Room

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
730	EKG/ECG	3280	EKG and EEG
731	EKG/ECG: Holter monitor	3370	Holter Monitor
732	EKG/ECG: Telemetry	3280	EKG and EEG
739	EKG/ECG: Other EKG/ECG	3280	EKG and EEG
740	EEG	3280	EKG and EEG
750	Gastrointestinal	3340	Gastro Intestinal Services
760	Treatment/Observation Room	9000	Clinic
761	Treatment/Observation Room: Treatment room	9000	Clinic
762	Treatment/Observation Room: Observation room	9201	Observation Beds (Distinct Part)
769	Treatment/Observation Room: Other treatment room	9000	Clinic
770	Preventive Care Services	9000	Clinic
771	Preventive Care Services: Admin. of vaccine	9000	Clinic
790	Extra-Corp Shock Wave Therapy	3640	Urology
800	Inpatient Dialysis	7400	Renal Dialysis
801	Inpatient Hemodialysis	7400	Renal Dialysis
802	Inpatient peritoneal dialysis	7400	Renal Dialysis
803	inpatient dialysis CAPD	7400	Renal Dialysis
804	Inpatient dialysis CCPD	7400	Renal Dialysis
809	Other inp dialysis	7400	Renal Dialysis
810	Organ Acquisition	8600	Other Organ Acquisition (specify)
811	Organ Acquisition: Living donor	8600	Other Organ Acquisition (specify)
812	Organ Acquisition: Cadaver donor	8600	Other Organ Acquisition (specify)
813	Organ Acquisition: Unknown donor	8600	Other Organ Acquisition (specify)
814	Organ Acquisition: Unsuccessful Organ Search Donor Bank Charges	8600	Other Organ Acquisition (specify)
819	Organ Acquisition: Other donor	8600	Other Organ Acquisition (specify)

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
820	Hemo OPD/Home	7400	Renal Dialysis
821	Hemo OPD/Home: Hemodialysis comp or other rate	7400	Renal Dialysis
822	Hemo OPD/Home supplies	7400	Renal Dialysis
823	Hemo OPD/home equipment	7400	Renal Dialysis
824	Hemo OPD/Home Maintenance 100%	7400	Renal Dialysis
825	Hemo OPD/Home Support Services	7400	Renal Dialysis
829	Hemo OPD/Home: Other HEMO outpatient	7400	Renal Dialysis
830	Peritoneal OPD/Home	7400	Renal Dialysis
831	Peritoneal OPD/Home: Peritoneal comp or other rate	7400	Renal Dialysis
839	Peritoneal OPD/Home: Other peritoneal dialysis	7400	Renal Dialysis
840	CAPD OPD/Home	7400	Renal Dialysis
841	CAPD OPD/Home: CAPD comp or other rate	7400	Renal Dialysis
849	CAPD OPD/Home: Other CAPD dialysis	7400	Renal Dialysis
850	CCPD OPD/Home	7400	Renal Dialysis
851	CCPD OPD/Home: CCPD comp or other rate	7400	Renal Dialysis
859	CCPD OPD/Home: Other CCPD dialysis	7400	Renal Dialysis
860	Magnetoencephalography (MEG)	3280	EKG and EEG
861	MEG	3280	EKG and EEG
880	Miscellaneous Dialysis	7400	Renal Dialysis
881	Miscellaneous Dialysis: Ultrafiltration	7400	Renal Dialysis
889	Miscellaneous Dialysis: Other misc dialysis	7400	Renal Dialysis
900	Psychiatric/Psychological Trt	3550	Psychiatric/Psychological Services
901	Psychiatric/Psychological Trt: Electroshock treatment	3320	Electroshock Therapy
902	Psychiatric/Psychological Trt: Milieu therapy	3550	Psychiatric/Psychological Services
903	Psychiatric/Psychological Trt: Play therapy	3550	Psychiatric/Psychological Services

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
904	Psychiatric/Psychological Trt: Activity therapy	3580	Recreational Therapy
905	Psychiatric/Psychological Trt: Intensive Outpatient serv-sych	3550	Psychiatric/Psychological Services
906	Psychiatric/Psychological Trt: Intensive out serv -chem dep	3550	Psychiatric/Psychological Services
907	Psychiatric/Psychological Trt: Comm behavioral program	3550	Psychiatric/Psychological Services
911	Psychiatric/Psychological Svcs: Rehabilitation	3550	Psychiatric/Psychological Services
912	Psychiatric/Psychological Svcs: Partial Hosp - less intensive	3550	Psychiatric/Psychological Services
913	Psychiatric/Psychological Svcs: Partial Hosp - Intensive	3550	Psychiatric/Psychological Services
914	Psychiatric/Psychological Svcs: Individual therapy	3550	Psychiatric/Psychological Services
915	Psychiatric/Psychological Svcs: Group therapy	3550	Psychiatric/Psychological Services
916	Psychiatric/Psychological Svcs: Family therapy	3550	Psychiatric/Psychological Services
917	Psychiatric/Psychological Svcs: Biofeedback	3550	Psychiatric/Psychological Services
918	Psychiatric/Psychological Svcs: Testing	3550	Psychiatric/Psychological Services
919	Psychiatric/Psychological Svcs: Other behavioral treat/serv	3550	Psychiatric/Psychological Services
921	Other Diagnostic Services: Peripheral vascular lab	3650	Vascular Lab
922	Other Diagnostic Services: Electromyelogram	3290	Electromyography
923	Other Diagnostic Services: Pap smear	3240	Cytology
924	Other Diagnostic Services: Allergy test	3380	Immunology
925	Other Diagnostic Services: Pregnancy test	3390	Laboratory - Clinical
941	Other Therapeutic Serv: Recreation Rx	9000	Clinic
942	Other Therapeutic Serv: Educ/training	9000	Clinic
943	Other Therapeutic Serv: Cardiac rehab	3140	Cardiology
944	Other Therapeutic Serv: Drug rehab	3550	Psychiatric/Psychological Services
945	Other Therapeutic Serv: Alcohol rehab	3550	Psychiatric/Psychological Services
948	Pulmonary Rehabilitation	6500	Respiratory Therapy

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
1	Total Charge	N/A	
22	HIPPS	N/A	
23	HIPPS	N/A	
24	HIPPS	N/A	
100	All Inclusive Rate	N/A	
101	All Inclusive Rate	N/A	
110	Room & Board (Private)	N/A	
111	Medical/Surgical/Gyn	N/A	
112	OB	N/A	
113	Pediatric	N/A	
114	Psychiatric	N/A	
115	Hospice	N/A	
116	Detoxification	N/A	
117	Oncology	N/A	
118	Rehab	N/A	
119	Other	N/A	
120	Room & Board (Semi-Private 2 beds)	N/A	
121	Medical/Surgical/Gyn	N/A	
122	OB	N/A	
123	Pediatric	N/A	
124	Psychiatric	N/A	
125	Hospice	N/A	
126	Detoxification	N/A	
127	Oncology	N/A	
128	Rehab	N/A	
129	Other	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
130	Room & Board (Semi private 3-4 beds)	N/A	
131	Medical/Surgical/Gyn	N/A	
132	OB	N/A	
133	Pediatric	N/A	
134	Psychiatric	N/A	
135	Hospice	N/A	
136	Detoxification	N/A	
137	Oncology	N/A	
138	Rehab	N/A	
139	Other	N/A	
140	Room & Board (Private Deluxe)	N/A	
141	Medical/Surgical/Gyn	N/A	
142	OB	N/A	
143	Pediatric	N/A	
144	Psychiatric	N/A	
145	Hospice	N/A	
146	Detoxification	N/A	
147	Oncology	N/A	
148	Rehab	N/A	
149	Other	N/A	
150	Room & Board (Ward)	N/A	
151	Medical/Surgical/Gyn	N/A	
152	OB	N/A	
153	Pediatric	N/A	
154	Psychiatric	N/A	
155	Hospice	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
156	Detoxification	N/A	
157	Oncology	N/A	
158	Rehab	N/A	
159	Other	N/A	
160	Room & Board (other)	N/A	
164	Sterile Environment	N/A	
167	Self care	N/A	
169	Other	N/A	
170	Nursery	N/A	
171	Newborn-Level I	N/A	
172	Newborn-Level II	N/A	
173	Newborn-Level III	N/A	
174	Newborn-Level IV	N/A	
179	Other Nursery	N/A	
180	Leave of Absence	N/A	
182	Patient Convenience	N/A	
183	Therapeutic Leave	N/A	
185	Hospitalization	N/A	
189	Other leave of absence	N/A	
190	Subacute care	N/A	
191	Subacute care-Level I	N/A	
192	Subacute care-Level II	N/A	
193	Subacute care-Level III	N/A	
194	Subacute care-Level IV	N/A	
199	Other subacute care	N/A	
200	Intensive care	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
201	Surgical	N/A	
202	Medical	N/A	
203	Pediatric	N/A	
204	Psychiatric	N/A	
206	Intermediate ICU	N/A	
207	Burn care	N/A	
208	Trauma	N/A	
209	Other intensive care	N/A	
210	Coronary care	N/A	
211	Myocardial Infarction	N/A	
212	Pulmonary Care	N/A	
213	Heart Transplant	N/A	
214	Intermediate CCU	N/A	
219	Other Coronary Care	N/A	
220	Special charges	N/A	
221	Admission charge	N/A	
222	Technical support charge	N/A	
223	U.R. service charge	N/A	
224	Late discharge, medically necessary	N/A	
229	Other special charges	N/A	
230	Incremental nursing charge rate	N/A	
231	Nursery	N/A	
232	OB	N/A	
233	ICU	N/A	
234	CCU	N/A	
235	Hospice	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
239	Other	N/A	
240	All inclusive Ancillary	N/A	
241	Basic	N/A	
242	Comprehensive	N/A	
243	Specialty	N/A	
249	Other all inclusive ancillary	N/A	
253	Take home drugs	N/A	
277	Oxygen-Take home	N/A	
290	Durable Medical Equipment	N/A	
291	DME Rental	N/A	
292	Durable Medical Equipment: Purchase - new equipment	N/A	
293	Purchase of used DME	N/A	
294	Supplies/Drugs for DME effectiveness (HHA only)	N/A	
374	Acupuncture	N/A	
500	Outpatient services	N/A	
509	Other Outpatient	N/A	
520	Free-Standing Clinic	N/A	
521	Rural health-clinic	N/A	
522	Rural health-home	N/A	
523	Family Practice Clinic	N/A	
524	RHC/FQHC visit in Part A covered SNF	N/A	
525	RHC/FQHC visit in noncovered SNF, NF, ICFMR or other	N/A	
526	Urgent Care Clinic	N/A	
527	Nurse visit to home in a HH shortage area	N/A	
528	RHC/FQHC visit to other non RHC/FQHC site	N/A	
529	Free-Standing Clinic: Other	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
540	Ambulance	N/A	
541	Supplies	N/A	
542	Medical Transport	N/A	
543	Heart Mobile	N/A	
544	Oxygen	N/A	
545	Air ambulance	N/A	
546	Neonatal ambulance services	N/A	
547	Pharmacy	N/A	
548	Telephone Transmission EKG	N/A	
549	Other ambulance	N/A	
550	Skilled nursing	N/A	
551	Visit charge	N/A	
552	Hourly charge	N/A	
559	Other skilled nursing	N/A	
560	Home Health (HH) -- Medical Social Services	N/A	
561	Home Health (HH) Medical Social Services: Visit charge	N/A	
562	Home Health (HH) Medical Social Services: Hourly charge	N/A	
569	Home Health (HH) Medical Social Services: Other Medical Social Services	N/A	
570	Home health-Home health aide	N/A	
571	Visit charge	N/A	
572	Hourly charge	N/A	
579	Other home health aide	N/A	
580	Home health-other visits	N/A	
581	Visit charge	N/A	
582	Hourly charge	N/A	
583	Assessment	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
589	Other home health visit	N/A	
590	Home health-units of service	N/A	
600	Home health-oxygen	N/A	
601	Oxygen-state/equip/suppl/ or cont	N/A	
602	Oxygen-state/equip/suppl/ or under 1 LPM	N/A	
603	Oxygen-state/equip/over 4 LPM	N/A	
604	Oxygen-Portable Add-on	N/A	
609	Other oxygen	N/A	
640	Home IV Therapy Services	N/A	
641	Nonroutine nursing, central line	N/A	
642	IV site care, Central line	N/A	
643	IV start/change, peripheral line	N/A	
644	Nonroutine nursing, peripheral line	N/A	
645	Training patient/caregiver, central line	N/A	
646	Training, Disabled patient, central line	N/A	
647	Training, patient/caregiver, peripheral line	N/A	
648	Training, disabled patient, peripheral line	N/A	
649	Other IV therapy services	N/A	
650	Hospice service	N/A	
651	Routine home care	N/A	
652	Continuous home care	N/A	
655	Inpatient respite care	N/A	
656	General inpatient care (non-respite)	N/A	
657	Physician services	N/A	
658	Hospice Room & Board-Nursing facility	N/A	
659	Other hospice service	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
660	Respite Care	N/A	
661	Hourly Respite Care Charge Nursing	N/A	
662	Hourly Respite Care Charge Aide/Homemaker/Companion	N/A	
663	Daily Respite Charge	N/A	
669	Other respite care	N/A	
670	Outpatient Special Residence Charges	N/A	
671	Hospital based	N/A	
672	Contracted	N/A	
679	Other special residence charge	N/A	
680	Not Used	N/A	
780	Telemedicine	N/A	
832	Home supplies	N/A	
833	Home equipment	N/A	
834	Maintenance/100%	N/A	
835	Support services	N/A	
842	Home supplies	N/A	
843	Home equipment	N/A	
844	Maintenance/100%	N/A	
845	Support services	N/A	
852	Home supplies	N/A	
853	Home equipment	N/A	
854	Maintenance/100%	N/A	
855	Support services	N/A	
882	Home dialysis aid visit	N/A	
920	Other Diagnostic Services	N/A	
929	Other Diagnostic Services: Other diagnostic services	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
931	Medical rehab; half day	N/A	
932	Medical rehab; full day	N/A	
940	Other Therapeutic Serv	N/A	
946	Complex medical equipment-Routine	N/A	
947	Complex medical equipment-Ancillary	N/A	
949	Other Therapeutic Serv: Additional RX SVS	N/A	
951	Other therapeutic services-(940x) Athletic training	N/A	
952	Other therapeutic services-(940x) Kinesiotherapy	N/A	
960	Professional fees	N/A	
961	Psychiatric	N/A	
962	Ophthalmology	N/A	
963	Anesthesiologist (MD)	N/A	
964	Anesthetist (CRNA)	N/A	
969	Other professional fee	N/A	
971	Professional fees (096x) Laboratory	N/A	
972	Professional fees (096x) Radiology-Diagnostic	N/A	
973	Professional fees (096x) Radiology-Therapeutic	N/A	
974	Professional fees (096x) Radiology-nuclear medicine	N/A	
975	Professional fees (096x) Operating room	N/A	
976	Professional fees (096x) Respiratory Therapy	N/A	
977	Professional fees (096x) Physical therapy	N/A	
978	Professional fees (096x) Occupational therapy	N/A	
979	Professional fees (096x) Speech pathology	N/A	
981	Professional fees (096x) Emergency room	N/A	
982	Professional fees (096x) Outpatient services	N/A	
983	Professional fees (096x) clinic	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
984	Professional fees (096x) medical social services	N/A	
985	Professional fees (096x) EKG	N/A	
986	Professional fees (096x) EEK	N/A	
987	Professional fees (096x) Hospital visit	N/A	
988	Professional fees (096x) Consultation	N/A	
989	Private duty nurse	N/A	
990	Patient convenience items	N/A	
991	Cafeteria/guest tray	N/A	
992	Private linen service	N/A	
993	Telephone/telegraph	N/A	
994	TV/radio	N/A	
995	Nonpatient room rentals	N/A	
996	Late discharge charge	N/A	
997	Admission kits	N/A	
998	Beauty shop/barber	N/A	
999	Other patient convenience item	N/A	
1000	Behavioral health accommodations	N/A	
1001	Residential treatment-psychiatric	N/A	
1002	residential treatment-chemical dependency	N/A	
1003	Supervised living	N/A	
1004	Halfway house	N/A	
1005	Group home	N/A	
2100	Alternative therapy services	N/A	
2101	Acupuncture	N/A	
2102	Acupressure	N/A	
2103	Massage	N/A	

Appendix J

Crosswalk for Revenue Code to Primary Cost

Revenue Code	Revenue Code Description	Primary Cost Center	Primary Cost Center Name
2104	Reflexology	N/A	
2105	Biofeedback	N/A	
2106	Hypnosis	N/A	
2109	Other alternative therapy services	N/A	
3101	Adult day care, Medical and social, hourly	N/A	
3102	Adult day care, social, hourly	N/A	
3103	Adult day care, medical and social, daily	N/A	
3104	Adult day care, social, daily	N/A	
3105	Adult foster care, daily	N/A	
3109	Other adult care	N/A	

Appendix K

Hospitals in this Report

Vermont Acute Care Hospitals

Brattleboro Memorial Hospital
(BRAT)
17 Belmont Avenue
Brattleboro, Vermont 05301

Central Vermont Medical Center
(CVMC)
P.O. Box 547
Barre, Vermont 05641

Copley Hospital
(COPL)
528 Washington Highway
Morrisville, Vermont 05661

Gifford Medical Center
(GIFF)
44 Main Street, P.O. Box 2000
Randolph, Vermont 05060

Grace Cottage Family Health &
Hospital
(GRAC)
Route 35, P.O. Box 216
Townshend, Vermont 05353

Mt. Ascutney Hospital and Health
Center
(MTA)
289 County Road
Windsor, Vermont 05089

North Country Hospital
(NCTY)
189 Prouty Drive
Newport, Vermont 05855

Northeastern Vermont Regional
Hospital
(NEVT)
1315 Hospital Drive, P.O. Box 905
St. Johnsbury, Vermont 05819

Northwestern Medical Center
(NWST)
133 Fairfield Street, P.O. Box 1370
St. Albans, Vermont 05478

Porter Medical Center
(PORT)
115 Porter Drive
Middlebury, Vermont 05753

Rutland Regional Medical Center
(RRMC)
160 Allen Street
Rutland, Vermont 05701

Southwestern Vermont Medical
Center
(SWVT)
100 Hospital Drive East
Bennington, Vermont 05201

Springfield Hospital
(SPRF)
25 Ridgewood Road, P.O. Box 2003
Springfield, Vermont 05156

The University of Vermont Medical
Center
(UVMCMC)
111 Colchester Avenue
Burlington, Vermont 05401
(Formerly Fletcher Allen Health Care)

New Hampshire Hospitals Most Frequently Used by Vermont Residents

Alice Peck Day Memorial Hospital (NH-Alice Day) Lebanon, New Hampshire	Exeter Hospital (NH-Exeter) Exeter, New Hampshire	Parkland Medical Center (NH-Parkland) Derry, New Hampshire
Androscoggin Valley Hospital (NH-Androscoggin) Berlin, New Hampshire	Franklin Regional Hospital (NH-Franklin) Franklin, New Hampshire	Portsmouth Regional Hospital (NH-Portsmouth) Portsmouth, New Hampshire
Catholic Medical Center (NH-Catholic) Manchester, New Hampshire	Frisbie Memorial Hospital (NH-Frisbie) Rochester, New Hampshire	Southern New Hampshire Medical Center (NH-Southern NH) Nashua, New Hampshire
Cheshire Medical Center (NH-Cheshire) Keene, New Hampshire	Huggins Hospital (NH-Huggins) Wolfeboro, New Hampshire	St. Joseph's Hospital (NH-St. Joseph's) Nashua, New Hampshire
Concord Hospital (NH-Concord) Concord, New Hampshire	Lakes Region General Hospital (NH-Lakes Region) Laconia, New Hampshire	Speare Memorial Hospital (NH-Speare) Plymouth, New Hampshire
Cottage Hospital (NH-Cottage) Woodsville, New Hampshire	Littleton Hospital (NH-Littleton) Littleton, New Hampshire	Upper Connecticut Valley Hospital (NH-Upper CT Val) Colebrook, New Hampshire
Dartmouth Hitchcock Medical Center (NH-Hitchcock) Lebanon, New Hampshire	Memorial Hospital (NH-Memorial) North Conway, New Hampshire	Valley Regional Hospital (NH-Valley Reg.) Claremont, New Hampshire
Dartmouth Hitchcock Psychiatric Unit*(NH-Hitch. Psych) Lebanon, New Hampshire	Monadnock Community Hospital (NH-Monadnock) Peterborough, New Hampshire	Weeks Medical Center Hospital (NH-Weeks) Lancaster, New Hampshire
Elliot Hospital (NH-Elliot) Manchester, New Hampshire	New London Hospital (NH-New London) New London, New Hampshire	Wentworth-Douglass Hospital (NH-Wntwth-Doug) Dover, New Hampshire

* Records from the Dartmouth Hitchcock Psychiatric Unit are combined with the Dartmouth Hitchcock Medical Center beginning 2008.

Massachusetts Hospitals Most Frequently Used by Vermont Residents

Baystate Medical Center
(MA-Baystate)
Springfield, Massachusetts

Berkshire Medical Center
(MA-Berkshire)
Pittsfield, Massachusetts

Beth Israel Deaconess Medical Center
(MA-Beth Israel)
Boston, Massachusetts

Brigham and Women's Hospital
(MA-Brigham)
Boston, Massachusetts

Children's Hospital Boston
(MA-Children's)
Boston, Massachusetts

Cooley Dickinson Hospital
(MA-Cooley Dicki)
Northampton, Massachusetts

Dana-Farber Cancer Institute
(MA-Dana Farber)
Boston, Massachusetts

Franklin Medical Center
(MA-Franklin Med)
Greenfield, Massachusetts

Hillcrest Hospital
(MA-Hillcrest)
Pittsfield, Massachusetts

Lahey Clinic Hospital
(MA-Lahey)
Burlington, Massachusetts

Massachusetts Eye and Ear Infirmary
(MA-MA Eye & Ear)
Boston, Massachusetts

Massachusetts General Hospital
(MA-MA General)
Boston, Massachusetts

New England Baptist Hospital
(MA-N.E. Baptist)
Boston, Massachusetts

Newton-Wellesley Hospital
(MA-Newton Wells)
Newton, Massachusetts

North Adams Regional Hospital
(MA-North Adams)
North Adams, Massachusetts

Northampton VA Medical Center
(MA-Northampton)
Northampton, Massachusetts

Tufts-New England Medical Center
(MA-N.E. Med Ctr)
Boston, Massachusetts

UMass Memorial Medical Center
(MA-U Mass)
Worcester, Massachusetts

VA Boston Healthcare—Boston
Division
(MA-Boston VA)
Boston, Massachusetts

VA Boston Healthcare—Brockton
Division
(MA-Brockton VA)
Brockton, Massachusetts

New York Hospitals Most Frequently Used by Vermont Residents

Albany Medical Center Hospital
(NY-Albany)
Albany, New York

Champlain Valley Physicians Hospital Medical
Center
(NY-Champ Val)
Plattsburgh, New York

Columbia Presbyterian Medical Center
(NY-Presbyterian)
New York, New York

Glens Falls Hospital
(NY-Glens Falls)
Glens Falls, New York

Leonard Hospital
(NY-Leonard)
Troy, New York

Mary McClellan Hospital
(NY-McClellan)
Cambridge, New York

Memorial Hospital for Cancer and Allied Disorders
(NY-Hosp for CA)
New York, New York

Moses-Ludington Hospital
(NY-Moses-Luding)
Ticonderoga, New York

New York United Hospital Medical Center
(NY-United Med C.)
Port Chester, New York

New York Weill Cornell Medical Center
(NY-New York)
New York, New York

Phelps Memorial Hospital Center
(NY-Phelps)
Sleepy Hollow, New York

Samaritan Hospital
(NY-Samaritan)
Troy, New York

St. Peters Hospital
(NY-St Peters)
Albany, New York

Appendix L

Public / Non-Public Data Elements and Availability of Data Elements in Datasets

Public use data for resident and non-resident discharges from Vermont hospitals are available online by calendar year.
<http://www.healthvermont.gov/health-statistics-vital-records/health-care-systems-reporting/hospital-discharge-data>

Non-public data elements are available for research purposes only.

For additional information, contact:
Vermont Department of Health
Public Health Statistics
108 Cherry Street, PO Box 70
Burlington, VT 05402-0070
(802) 863-7300 or (800) 869-2871

To request non-public data elements, contact:
Analytical Team
Green Mountain Care Board
144 State Street
Montpelier, VT 05620-1701
GMCB.DATA@vermont.gov
(802) 828-2906

(See next page for data elements)

Vermont Hospital Discharge Data Elements

Inpatient, Outpatient and Emergency Department Datasets

Attribute	Description	Public Use Data Element	Full Datasets		
			Inpatient Dataset	Outpatient Dataset	Emergency Dataset
Admission Date	--	N	Y	Y	Y
Admission Hour	--	N	Y	Y	Y
Admission Quarter	--	Y	Y	Y	Y
Admission Year	--	N	Y	Y	Y
Admission Source	Transfer, referral, newborn and court/law enforcement categories.	Y	Y	Y	Y
Admission Type	Emergency, urgent, elective, newborns, trauma.	Y	Y	Y	Y
Age	Single-year age at discharge.	N	Y	Y	Y
Age Groups	Under 1, 1-17, 18-24, 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-64, 65-69, 70-74, 75 and over.	Y	Y	Y	Y
Attending physician	Hospital-specific code for attending physician at time of discharge.	N	Y	Y	Y
Bill Type	Bill type as designated by the hospital.	Y	Y	Y	Y
Birth Weight	Birth weight of newborns in grams (inpatient only).	N	Y	N	N
Charges	Total facility charges.	Y	Y	Y	Y
CCSR Single Level DiagnosisGroups	Principal diagnosis collapsed into more than 541 categories.	Y	Y	Y	Y

Attribute	Description	Public Use Data Element	Full Datasets		
			Inpatient Dataset	Outpatient Dataset	Emergency Department Dataset
CCSR High Level Diagnosis Groups	CCSR single level diagnosis groups collapsed into 21 high level categories.	Y	Y	Y	Y
CCSR Single Level Procedure Groups	Principal surgical procedure collapsed into more than 326 categories.	Y	Y	N	N
CCSR High Level Procedure Groups	CCSR single level inpatient surgical procedure groups collapsed into 31 high level categories	Y	Y	N	N
CCS Single Level Procedure Groups	Principal procedure collapsed into 231 categories.	Y	N	Y	N
CCS High Level Procedure Groups	CCS single level procedure groups collapsed into 17 high level categories.	Y	N	Y	N
County-Town Code	Patient county and town of residence with first two digits representing the county and the second two digits the town.	N	Y	Y	Y
Critical Access Hospital	Coded for VT hospitals only	Y	Y	Y	Y
Date of Birth	--	N	Y	Y	Y
Diagnosis at Admission	ICD-9-CM or ICD-10-CM diagnosis code.	Y	Y	Y	Y
Diagnosis Related Group (DRG)	Medicare classification system that groups inpatient discharges into more than 700 categories based on diagnosis, type of treatment, age and other relevant criteria.	Y	Y	N	N
Discharge Date	--	N	Y	Y	Y
Discharge Quarter	--	Y	Y	Y	Y
Discharge Year	--	Y	Y	Y	Y

Discharge Status	Categories indicating destination and type of services required at time of discharge, left against medical advice, or death.	Y	Y	Y	Y
Ecode1 – Ecode3	Code for external causes of injury and poisoning; primary Ecode and two secondary Ecodes appear in these fields, and additional secondary Ecodes may be entered as secondary diagnoses.	Y	Y	Y	Y

Attribute	Description	Public Use Data Element	Full Datasets		
			Inpatient Dataset	Outpatient Dataset	Emergency Department Dataset
Emergency Department Flag	Set to 1 if record has an associated revenue code of 45x, Emergency Room.	Y	Y	Y	Y
Groupers	Groupers version used to assign DRG and MDC.	Y	Y	N	N
Hospital	--	Y	Y	Y	Y
Hospital Service Area	Defined by the geographically distinct population of Vermont residents who are highly dependent on a hospital or group of hospitals.	Y	Y	Y	Y
Major Diagnostic Category (MDC)	An aggregation of inpatient DRGs (see definition of DRGs above) into 25 groups that define major body systems.	Y	Y	N	N
Observation Bed Flag	Set to 1 if record has an associated revenue code of 760 or 762, Observation Bed.	Y	Y	Y	Y
Other Physician 1 & 2	Hospital-specific code for other physicians performing procedures.	N	Y	Y	Y
Patient Days	Length of stay.	Y	Y	Y	Y
Primary Payer	The anticipated principal source of payment for the patient's hospital bill as coded by the hospital.	Y	Y	Y	Y
Principal and Secondary Procedure Dates	Date of procedure.	N	Y	Y	Y
Principal Diagnosis and Up to 19 Secondary Diagnoses	ICD-9-CM (prior to 10/1/2015) or ICD-10-CM diagnosis code.	Y	Y	Y	Y
Principal Procedure and Up to 19 Secondary Procedures	ICD-9-CM or ICD-10-PCS procedure code (all inpatients, and outpatients prior to 7/1/2014).	Y	Y	Y	Y

Attribute	Description	Public Use Data Element	Full Datasets		
			Inpatient Dataset	Outpatient Dataset	Emergency Department Dataset
Race	--	N	Y	Y	Y
Readmission indicator	Any patient readmitted to the same hospital within 30 days.	N	Y	N	N
Same Day Flag	Admission and discharge were on the same day: not an overnight stay.	Y	Y	Y	N
Sex	--	Y	Y	Y	Y
Special Care Unit Days	Number of days spent in a special care unit: Inpatient only.	Y	Y	N	N
ZIP Code	5-digit ZIP code.	N	Y	Y	Y
ZIP Code Groups	3-digit ZIP for most of Vermont; combined 058 and 059 area; 5-digit ZIP for areas with population over 10,000 in Vermont and combined zips in other states.	Y	Y	Y	Y
Zip Town Code	Groups of towns that share ZIP code(s)	N	Y	Y	Y
Unique ID	Unique number assigned to an event to link the event to its associated revenue records.	Y	Y	Y	Y

Revenue Dataset

Field	Description	Public Use Files	Revenue Files
Bill Type	Bill type as designated by the hospital.	Y	Y
CCS HCPCS/CPT Single Level Group	HCPCS/CPT code on this record collapsed into 231 categories.	Y	Y
CCS HCPCS/CPT High Level Group	CCS HCPCS/CPT code on this record single level group collapsed into 17 high level categories.	Y	Y
Discharge Date	--	N	Y
Discharge Quarter	--	Y	Y
Discharge Year	--	Y	Y
ERFLAG	Set to 1 if record has revenue code of 45x, Emergency Room.	N	Y
HCPCS/CPT	HCPCS/CPT code on this revenue record.	Y	Y
HCPCS Modifier 1	Modifier 1 for this revenue record's HCPCS/CPT code.	N	Y
HCPCS Modifier 2	Modifier 2 for this revenue record's HCPCS/CPT code.	N	Y
HCPCS Modifier 3	Modifier 3 for this revenue record's HCPCS/CPT code.	N	Y
HCPCS Modifier 4	Modifier 4 for this revenue record's HCPCS/CPT code.	N	Y
HCPCS Modifier 5	Modifier 5 for this revenue record's HCPCS/CPT code.	N	Y
Hospital	--	Y	Y
OBSFLAG	Set to 1 if record has revenue code of 760, Observation Bed.	N	Y
PCCR	Primary Cost Center for this record's revenue code.	Y	Y
Primary CPT Flag	Flag to indicate that this record's HCPCS/CPT code is the event's primary CPT (as of 7/1/2014).	Y	Y

Revenue Charge	Charge for this record's revenue code.	Y	Y
Revenue Code	This record's revenue code.	Y	Y
Revenue Date	The date for this record's revenue code.	N	Y
Revenue Units	Number of revenue units for this record's revenue code.	Y	Y
RVU value	Relative Value Units assigned to this record's HCPCS/CPT code, used to calculate the event's primary HCPCS/CPT.	N	Y
Unique ID	Unique number assigned to an event to link the event to its associated revenue records.	Y	Y