

Vermont Uniform Hospital Discharge Data System (VUHDDS)
Approved Public Use File Requests

2021					
Name	Organization Name	Intended Use of Data and Public Benefit Description	Files Requested	Years Requested	Date of Filing
Ward Nial	Ward Nial	Data analysis project of the flow of Mental health patients within the Vermont system.	Inpatient Emergency Department	2019	2/24/2021
Erin Thompson	Syntellis Performance Solutions, LLC	The data will be used with other states' public health data to help health-care providers increase the quality of care they provide to their patients by effectively benchmarking their quality, safety, satisfaction, cost and utilization to their peers.	Inpatient	2019	2/18/2021
Carole McBride	University of Vermont Larner College of Medicine	To understand baseline occurrence of severe maternal morbidities (SMM) from 2011-current, using a predefined list of ICD-9 and 10 codes. While we are in the process of securing the restricted data set from the GMCB, we need to provide baseline data to AIM before the end of the month, so are requesting the public use data set in order to calculate these rates by hospital in Vermont. Data will be shared with each hospital as well as AIM (rates only as our numbers are small).	Inpatient Outpatient Expanded Outpatient Emergency Department	2011-2018	2/5/2021
James Smyth	Kaufman Hall	Develop utilization projections to support strategic planning for a Vermont hospital	Inpatient Outpatient Expanded Outpatient Emergency Department	2016-2018	1/26/2021
Megan Novak	Crime Research Group	The data requested will be used to answer questions posed by a Bureau of Justice Statistics grant examining rural and urban domestic violence. Discharge data for those that are flagged with the ICD codes for domestic violence, and where the patient is over the age of 18, will be analyzed to determine if severity of injuries differ based on the victims	Emergency Department	2016-2018	1/20/2021

		residence location. This analysis, combined with other project analyses, will allow service providers and policy makers to better understand differences in domestic violence in rural and urban communities in Vermont. The proposed research will increase the knowledge of the field regarding rural versus urban domestic violence.			
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2020

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Tatum Naylor	FTI Consulting	To benchmark outpatient claims data in support of a sealed qui tam case.	Outpatient Expanded Outpatient Revenue	2010-2014	12/8/2020
Amit Bindal	West Governors University	Statistical analysis of data for capstone project	Inpatient, Outpatient Expanded Outpatient Revenue	2015-2018	11/30/2020
Gaston Lopez	Northwestern Universtiy	The goal of our project is to study the relationship between hospital competition and adoption of high tech services. Preliminary evidence showed that more hospitals adopt high tech services (such as robotic surgery and radiation therapy facilities) in more competitive markets.	Inpatient Outpatient Expanded Outpatient Revenue	2003-2018	11/24/2020
Richard Oyekan	University of California, Berkeley	To confirm the reproducibility of medical risk package on R statistical programming platform for Charlson Comorbidity Index and Elixhauser Comorbidity Score.	Inpatient	2011, 2016-2018	10/9/2020
Robert Skinner	Insight Policy Research	We will use this data to support a study comparing expenditures for sickle cell disease crises care in the emergency department and inpatient care and in specialty care infusion clinics. Recent research suggests specialty care infusion clinics provide higher quality care for individuals experiencing sickle cell crises than care received in the emergency room. There is little research comparing the direct and indirect costs of these two modes of care. This data would help us analyze the differences in direct costs between the modes of care.	Inpatient Outpatient Emergency Department Revenue	2016-2018	10/6/2020
Jo-Ann North	Aperture Credentialing, LLC	Aperture uses the data for determining hospital quality for the consumer. Aperture will provide consumers with hospital inpatient quality and efficiency information to help them make more informed decisions on where to seek care.	Inpatient	2018	10/1/2020
Philip Minor	WGU Texas	I intend to complete my Masters in Data Analytics capstone project entitled Statistical Analysis on Length of Stay in Vermont Hospitals.	Inpatient, Outpatient Expanded Outpatient Emergency Department Revenue	2003-2018	9/25/2020

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Sulki Choi	University of Illinois at Chicago	Compare Korea and USA's LOS of tuberculosis for thesis.	Inpatient	2009-2018	9/11/2020
Jillian Wallis	University of Southern California	How market-level factors affect payment rates from insurers to providers and patient cost sharing	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2009-2018	8/26/2020
Adam Shuboy	UIC	To extend on Tamang S et al.'s work ("Predicting patient 'cost blooms' in Denmark..", BMJ Open, 2017): To assess whether her findings can be extended (i.e., replicate her work/results) to the US Healthcare System. Also to apply recent, robust feature-selection methods (e.g., relief based algo's) to see a comparably performant yet more parsimonious model can be achieved.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2014-2018	7/9/2020
Robert Holland	Kingdom County Farm	Review changes in patterns of health care expenditures	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2018	6/26/2020
Sila Karacan	Acibadem University	Scientific purposes, by using Mycoplasma pneumonia infection or pneumonia cases' number, correlation analysis will be investigated between other respiratory tract infections and SARS virus.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2008-2017	6/23/2020
Aham Okoro	Icahn School of Medicine at Mount Sinai	Biostatistics candidate, intend to statistically analyze the data for a school project.	Inpatient Outpatient Emergency Department	2016-2018	6/16/2020
Connor Burke	Connor Burke	Actuarial analyses to estimate benefit expense for health insurance plans.		2009-2018	6/5/2020
Jamie Benson	University of Vermont	To identify optimal locations and distribution of Level 1 Trauma Centers in the State of Vermont. This kind of planning will hopefully aid in trauma care regionalization and efficiency, and improve outcomes from traumatic injury in the future.	Inpatient Emergency Department Revenue	2014-2018	6/3/2020

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Caitlyn Dayman	Larner College of Medicine, University of Vermont	The Center for Health Services Research at the UVM Larner College of Medicine works with medical faculty to answer a wide range of health service research questions. The center is looking to expand its access to retrospective data for quick access to data related Hospital and Emergency Department data for preliminary analyses related to grants and broader research questions that support the work of the medical faculty.	Inpatient Outpatient Emergency Department	2009-2018	5/11/2020
Ying Tung Lau	Brandeis University	healthcare course project	Inpatient	2018	5/9/2020
Katherine Blumhardt	International Business Machines Corporation	We acquire VUHDDS discharge level data, which go through various levels of processing, are standardized, and distributed to clients through our proprietary decision tools, benchmark databases, research, custom studies, and other associated products.	Inpatient	2018	3/31/2020
Chris Scotten	Navigant	To benchmark hospital data for consulting and improvement	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2017, 2018	3/15/2020
Wilda White	Wilda L. White Consulting	To analyze emergency department utilization for psychiatric diagnoses to devise solutions to prolonged waits for psychiatric patients.	Inpatient Outpatient Emergency Department	2018	3/6/2020
Thomas Cowling	London School of Hygiene and Tropical Medicine	Conduct methodological research relating to how the information recorded in routine hospital datasets can best be used to improve research quality. This work will focus on prognostic models which are widely used to evaluate health care interventions and systems.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2009-2018	3/3/2020

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Sharon Russo	Milliman, Inc.	Actuarial analyses performed on behalf of clients of the firm and in updates to actuarial tables and clinical guidelines published. The data will be used to provide estimates of the utilization and cost of various inpatient procedures. In addition, the data will be aggregated by key parameters such as geographic area, payor and DRG, allowing for study of utilization, cost & length of stay as compared with other reporting data sources.	Inpatient	2018	2/4/2020
Ward Nial	Ward Nial	Data analysis project of the flow of MH patients within the Vermont system.	Inpatient Outpatient Emergency Department	2018, 2008, 2009	1/31/2020
Erin Coopersmith	Kaufman, Hall & Associates, LLC	Help health-care providers increase the quality of care they provide to their patients by effectively benchmarking their quality, safety, satisfaction, cost and utilization to their peers. Create benchmarks at the APR-DRG level and the MS-DRG Level. The benchmarks are communicated through benchmark files that are used in conjunction with hospital client decision support systems so that they can compare their performance to the benchmark file and communicated through a web-based tool that our clients subscribe to.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2018	1/30/2020
Molly Liebeskind	Metis Data Science Bootcamp	Used for educational purposes to learn machine learning. Specifically, to understand factors that contribute to length of stay in a hospital using regression analysis.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2003-2018	1/21/2020
Annie Paumgarten	Lamoille County Mental Health/Zero Suicide Coalition	Explore substance misuse and mental health emergency room and inpatient visits for a location suicide prevention coalition in Lamoille County.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2018	1/2/2020

2019

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Ward Nial	Ward Nial	Data analysis project of the flow of MH patients within the Vermont system.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2020-2017	12/27/2019
Joy Livingston	Flint Springs Associates	To estimate average costs of health care associated with intimate partner violence and sexual violence for both adults and children.	Inpatient Outpatient Expanded Outpatient Emergency Department	2013-2017	12/19/2019
Conrad Ogletree	Topline	Study COPD and CHF discharge data.	Inpatient	2017	12/10/2019
Robert Holland	Kingdom County Farm	To analyze changes in emergency department utilization from 1991 through 2017. Public benefit is analytic basis for better accommodation of non-emergent, urgent patient care.	Emergency Department Revenue	2003-2005	11/28/2019
Erika Scott	Northeast Center for Occupational Health and Safety	Injury surveillance for agriculture and forestry - using ICD10 E codes. Benefit is to enhance the tracking of injury to better prioritize health and safety interventions for these populations.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2017	11/7/2019
Shihui Tee	Hewlett Packard Enterprise	Use of data to predict duration patient spends in hospitals. Could help in hospital operations such as bed management, nurse scheduling etc	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2003-2017	11/6/2019
Annie McKenna	Dartmouth College	Assignment to look at methods of research for Sociology class	Outpatient	2017	10/27/2019

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Mari Miceli	Patient Safety Movement Foundation	To review sepsis mortality and costs in the inpatient, ED & outpatient hospital settings in Vermont. I'm a consumer representative on the HAI advisory committee and a regional chair for the Patient Safety Movement Foundation.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2017	10/22/2019
David Goldberg	University of Miami	Working on issues related to supply and demand of transplant organs. Data will be used to determine the relative frequency with which patients suffering catastrophic neurologic injuries consistent with either brain death or irrecoverable function and a deceleration of care go on to become organ donors.	Inpatient	2008-2017	10/22/2019
Robert Holland	North Country Hospital	I intend to use the data to track and analyze the cost of health care. The public benefit is a better understanding of the cost of health care.	Revenue	2008-2017	10/15/2019
Carole McBride	University of Vermont	The Obstetrical Outreach project within the Vermont Child Health Improvement plan seeks to better understand Severe Maternal Morbidity (SMM) as it occurs in Vermont hospitals. For the 2019-2020 year, we have proposed a project in which we will take the ICD-10 codes which are pre-defined by the CDC for SMM, and evaluate several data sources for the occurrence of SMM, and to identify which diagnostic codes are most frequent across Vermont hospitals.	Inpatient Emergency Department	2015-2017	9/9/2019
Hamzah Osop	University of Sydney	The data is intended for use as part of a research project evaluating the efficiency of a clinical decision support system based on a Practice-Based Evidence approach. The following paper describes the project in detail: https://dl.acm.org/citation.cfm?id=3290742	Inpatient Outpatient Expanded Outpatient Emergency Department	2013-2017	8/28/2019

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Thomas Delaney	University of Vermont Lerner College of Medicine	I propose to use the VUHDD information as the basis for a student research project in the Masters in Public Health program of the UVM Lerner College of Medicine. Each year, teams of MPH students work with faculty and a research mentor to design and conduct a research project that uses a public health dataset. This is done as part of their Culminating Project Experience which is required for the MPH degree. Example topics that might be investigated with VUHDDS include looking at patterns of self harm seen at Vermont EDs in order to identify trends based on age and gender, or using hospital admissions data to examine length of stay associated with people who were identified with specific risk factors at the time of admission.	Outpatient Inpatient	2008-2017	8/26/2019
Pravin Pawar	State University of New York, Korea, Incheon, South Korea	We would like to use this information to understand structure of hospital discharge summary, items involved and get some real life samples which will help us to identify requirements for a system which calculates adherence of patients to medical discharge data.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2008-2017	8/22/2019
Derrick Lin	Radio Eden	We intend to analyze the discharge data to identify instances of potential upcoding fraud. These potential errors could be costly to the Vermont Medicaid program and the federal Medicare program, not to mention private insurance.	Inpatient Outpatient Revenue	2008-2017	8/16/2019
Kathy Wang	The Australian National University	I am a PhD student and I intend to use the inpatient data to do relevant research.	Inpatient Outpatient	2008-2017	8/5/2019
George Shemas	Saama Technologies	Would like to evaluate the structure of the data for a bid to the State of Vermont for enhancement of the dataset. The benefit will be more usable data for analytics.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2016-2017	7/29/2019

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Cathy Li	Partners HealthCare	<p>Specific research questions will be answered by analyzing:</p> <ol style="list-style-type: none"> 1. Trends in utilization of IP, Obs, and ED services to ensure Partners is adequately addressing ongoing and emerging patient needs 2. Overall data to determine how new care delivery organizations and care delivery models, such as Accountable Care Organizations (ACOs) may be created 3. IP data to facilitate service line planning to ensure patient services meet patient needs 4. IP data to assess tertiary vs. secondary care information and determine the lowest cost resource at which the appropriate level of care can be delivered 5. ED volume to facilitate consideration of where and how alternative forms of care (e.g., Urgent Care when appropriate) may be delivered 6. Re-admissions data to determine what efforts can be taken to ensure better quality of care to reduce re-admissions 	<p>Inpatient Outpatient Expanded Outpatient Emergency Department Revenue</p>	2014-2017	7/24/2019
Veena Mayya	MIT, Manipal, India	<p>Research scholar at NITK. Perform analysis on EHR and predict the emergency admission based on admission diagnosis details.</p>	<p>Inpatient Outpatient Expanded Outpatient Emergency Department</p>	2010-2017	7/9/2019
Wen-Wen Sun	KPMG	<p>Exploratory research to better understand what the data contains as well as what kind of statistical analyses can be conducted on it to derive summary-level information</p>	<p>Inpatient Outpatient Expanded Outpatient Emergency Department Revenue</p>	2017	7/3/2019

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Alexander Lyford	Middlebury College	Use the data to create an online, interactive application that allows users to view summary-level data for each county in Vermont. Create an interactive map of each county (and HSA) in Vermont and corresponding graphics related to the differences in healthcare access (among other variables) for each of the counties/HSAs	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2008-2017	6/19/2019
Eric Schultheis	Office of the Health Care Advocate	Use the data set to conduct exploratory analyses of whether a hospital primarily serves persons from its HSA or discharges patients outside the HSA. The results of this study will inform subsequent investigation of bad debt and free care and to develop a typology of Vermont hospital operations.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2012-2016	6/10/2019
Anne Paumgarten	Lamoille County Mental Health	Identify predictors of suicidal ideation in hospital visit ICD-9 codes.	Inpatient Outpatient Expanded Outpatient Emergency Department Revenue	2007-2017	6/6/2019