

PERCUTANEOUS CORONARY INTERVENTIONS (PCI)

in New York State
2016-2018



**Department
of Health**

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Members of the New York State Cardiac Advisory Committee

Chair

Spencer King III, M.D.

Professor of Medicine, Emeritus
Emory University School of Medicine
Atlanta, GA

Vice Chair

Gary Walford, M.D.

Associate Professor of Medicine
Johns Hopkins Medical Center
Baltimore, MD

Members

David Adams, M.D.

Cardiac Surgeon-in-Chief
Marie-Josée and Henry R. Kravis Professor and Chairman
Mount Sinai Health System
Icahn School of Medicine at Mount Sinai and The Mount
Sinai Hospital
New York, NY

M. Hashmat Ashraf, M.D.

Chief, Department of Cardiothoracic Surgery
Kaleida Health
Buffalo, NY

Peter B. Berger, M.D.

Cardiology Consultant

Frederick Bierman, M.D.

Director of Graduate Medical Education
Westchester Medical Center
Valhalla, NY

Joanna Chikwe, M.D.

Professor and Chair
Department of Cardiac Surgery
Smith Heart Institute
Cedars-Sinai Medical Center
Los Angeles, CA

Jeptha Curtis, M.D.

Asst. Professor, Dept. of Internal Medicine (Cardiology)
Director, Outcomes Research & Evaluation Data
Analytic Center
Yale-New Haven Hospital Center
New Haven, CT

Leonard Girardi, M.D.

Chairman, Department of Cardiothoracic Surgery
Cardiothoracic Surgeon-in-Chief
New York Presbyterian Hospital
Weill Cornell Medical College
New York, NY

Jeffrey P. Gold, M.D.

Chancellor, University of Nebraska Medical Center
University of Nebraska - Omaha
Omaha, NE

Alice Jacobs, M.D.

Professor of Medicine
Vice Chair for Clinical Affairs, Department of Medicine
Boston University School of Medicine
Boston Medical Center
Boston, MA

Barry Kaplan, MD

Assistant Professor of Medicine
Northwell Hofstra School of Medicine
Manhasset, NY

Stephen Lahey, M.D.

Chief, Division of Cardiothoracic Surgery
Professor of Surgery
University of Connecticut Health Center
Farmington, CT

Frederick S. Ling, M.D.

Professor of Medicine (Cardiology)
University of Rochester Medical Center
Rochester, NY

Ralph Mosca, M.D.

Vice Chairman, Department of Cardiac Surgery
Director, Congenital Cardiac Surgery
NYU Medical Center
New York, NY

Robert H. Pass, M.D.

Chief of Pediatric Cardiology
Professor of Pediatrics
Mount Sinai Kravis Children's Hospital
The Icahn School of Medicine at Mount Sinai
New York, NY

Carlos E. Ruiz, M.D., Ph.D.

Cardiology Consultant

Craig Smith, M.D.

Johnson & Johnson Distinguished Professor
Valentine Mott Professor of Surgery
Columbia University Medical Center
New York Presbyterian Hospital
New York, NY

Thoralf Sundt, III, M.D.

Chief, Cardiac Surgical Division
Co-Director, Heart Center
Massachusetts General Hospital
Boston, MA

Jacqueline Tamis-Holland, M.D.

Senior Attending Physician
Mount Sinai St. Luke's
Mount Sinai West
New York, NY

James Tweddell, M.D.

Surgical Director and Executive Co-Director
The Heart Institute
Professor of Surgery
Cincinnati Children's Hospital Medical Center
Cincinnati, OH

Ferdinand Venditti, Jr., M.D.

Executive VP for System Care Delivery
Hospital General Director
Albany Medical College
Albany, NY

Andrew S. Wechsler, M.D.

Emeritus Professor, Cardiothoracic Surgery
Drexel University College of Medicine
Philadelphia, PA

Consultant

Edward L. Hannan, Ph.D.

Distinguished Professor Emeritus
Department of Health Policy, Management & Behavior
Associate Dean Emeritus
University at Albany, School of Public Health
Rensselaer, NY

PCI Reporting System Analysis Workgroup

Members & Consultants

Frederick S. Ling, M.D. (Chair)

Professor of Medicine (Cardiology)
University of Rochester Medical Center

Peter B. Berger, M.D.

Cardiology Consultant

Jeptha Curtis, M.D.

Asst. Professor, Dept. of Internal Medicine (Cardiology)
Director, Outcomes Research & Evaluation
Data Analytic Center
Yale - New Haven Hospital Center

Edward L. Hannan, Ph.D.

Distinguished Professor Emeritus,
Department of Health Policy,
Management & Behavior
Associate Dean Emeritus
University at Albany, School of Public Health

Alice Jacobs, M.D.

Professor of Medicine
Vice Chair for Clinical Affairs, Department of Medicine
Boston University School of Medicine
Boston Medical Center

Barry Kaplan, MD

Assistant Professor of Medicine
Northwell Hofstra School of Medicine

Carlos Ruiz, M.D., Ph.D.

Cardiology Consultant

Jacqueline Tamis-Holland, MD

Senior Attending Physician
Mount Sinai St. Luke's
Mount Sinai West

Ferdinand Venditti, Jr., M.D.

Executive VP for System Care Delivery
Hospital General Director
Albany Medical College

Gary Walford, M.D.

Associate Professor of Medicine
Johns Hopkins Medical Center

Staff to PCIRS Analysis Workgroup

New York State Department of Health Office of Quality and Patient Safety

Alda Osinaga, MD, MPH

Director, Clinical Center and Chief Medical Officer

Linda Efferen, MD, MBA, MACP

Medical Director

Cardiac Services Program

Kimberly S. Cozzens, M.A.

Program Director

Diane Fanuele, M.S.

Clinical Data Coordinator

Lori Frazier

Project Assistant

Cynthia Johnson

Cardiac Data Systems Coordinator

Feng (Johnson) Qian, M.D., Ph.D., M.B.A.

Associate Professor of Health Policy and Management

Olivia Vasto, MPH

Clinical Data Coordinator

Zaza Samadashvili, M.D., M.P.H., M.A.

Research Scientist

Ashraf Sameer, M.D., M.P.H.

Clinical Review Coordinator

Yifeng Wu, Ph.D. M.P.H.

Cardiac Analyst

Ye Zhong, M.D., M.S.

Cardiac Analyst

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INTRODUCTION

Heart disease is the leading cause of death in New York State (NYS), and the most common form of heart disease is atherosclerotic coronary artery disease. Various treatments are recommended for patients with coronary artery disease. For some people, changes in lifestyle, such as dietary changes, not smoking and regular exercise, can result in great improvements in health. In other cases, medication prescribed for high blood pressure or other conditions can make a significant difference.

Sometimes, however, an interventional procedure is recommended. The two most common procedures performed on patients with coronary artery disease are percutaneous coronary intervention (PCI), also known as percutaneous transluminal coronary angioplasty (PTCA), and coronary artery bypass graft surgery (CABG).

During a PCI procedure, a catheter is threaded up to the site of the blockage in a coronary artery. In conjunction with the catheter, devices are used to open the blockage. In some cases, PCI is used as an emergency treatment for patients who are experiencing a heart attack or who may be in shock. Most cases, however, are not done on an emergency basis.

Those who have a PCI procedure are not cured of coronary artery disease; the disease can still occur in the treated blood vessels or other coronary arteries. In order to minimize new blockages, patients should continue to reduce their risk factors for heart disease.

Valvular heart disease is another common type of problem affecting the heart. With this condition, one or more of the valves in the heart may become stenotic (too narrow to allow enough blood to flow through the valve opening) or incompetent (cannot close tightly enough to prevent the backflow of blood), causing the heart to work harder to pump blood or causing blood to back up in the lungs or lower body. There are several types of surgical options for valvular heart disease and, in recent years, a new technique for replacement of the aortic valve has been tested and approved for use in the United States under certain circumstances. This procedure, known as Transcatheter Aortic Valve Replacement (TAVR, also sometimes called Transcatheter Aortic Valve Implantation or TAVI), differs from traditional surgical valve replacement in that the replacement valve is delivered to the heart through a catheter rather than through a standard surgical incision. The procedure is performed collaboratively by cardiologists and cardiac surgeons.

The analyses contained in this report are based on the information collected on 153,201 patients who underwent PCI and the 12,579 patients who underwent TAVR in NYS hospitals and were discharged between December 1, 2015, and November 30, 2018. The analysis period for this report includes patients discharged in December 2015 but not those discharged in December 2018. This strategy allows for more timely report publication by eliminating the need to track patients for 30-day mortality into the following calendar year. Inclusion of cases from the previous December allows for meaningful comparison of 12-month volume as found in previous reports. The single year analysis for 2018 cases includes patients discharged from December 1, 2017 through November 30, 2018. Analyses of risk-adjusted mortality rates and associated risk factors for all PCI and TAVR cases, non-emergency PCI cases (which represent the majority of PCI procedures) and emergency cases are included.

DEPARTMENT OF HEALTH PROGRAM

The New York State Department of Health (Department of Health) has been studying the effects of patient and treatment characteristics on outcomes for patients with heart disease for over 25 years. Detailed statistical analyses of the information received from the study have been conducted under the guidance of the Cardiac Advisory Committee, a group of independent practicing cardiac surgeons, cardiologists and other professionals in related fields.

The results have been used to create a cardiac profile system that assesses the performance of hospitals and doctors over time, taking into account the severity of each individual patient's pre-operative conditions. Coronary artery

bypass surgery results have been assessed since 1989; PCI results were released in 1996 for the first time.

Designed to improve health in people with heart disease, this program is aimed at:

- understanding the health risks of patients that adversely affect how they will fare during and after PCI and TAVR;
- improving the results of different treatments of heart disease;
- improving cardiac care; and
- providing information to help patients make better decisions about their own care.

PATIENT POPULATION

This report is based on data for patients discharged between December 1, 2015, and November 30, 2018, provided by all 65 non-federal hospitals in NYS where PCI was performed. In total there were 155,009 PCI procedures performed during this time period. The annual number of PCI discharges was: 50,975 in 2016, 51,979 in 2017, and 52,055 in 2018. For various reasons, some of these cases are excluded from analysis in this report. The reasons for exclusion and number of cases affected are described below.

There were 362 records excluded from the 2016-2018 data because they belong to patients residing outside the United States and these patients could not be followed after hospital discharge. There were an additional 39 cases excluded from analysis because each 30-day mortality can only be associated with a single PCI.

There were two additional groups of patients excluded based on clinical factors. There were 1,028 cases with pre-procedure refractory cardiogenic shock excluded from analysis. In addition, 379 patients with hypoxic brain injury who met certain NYS criteria were also excluded from analysis. The following two paragraphs provide further details on these clinical exclusion criteria.

Beginning with patients discharged in 2006, the Department of Health, with the advice of the Cardiac Advisory Committee, began a trial period of excluding any patients meeting the NYS Cardiac Data System definition of preoperative cardiogenic shock (now called refractory cardiogenic shock) from publicly released reports and analyses. Cardiogenic shock is a condition associated with severe hypotension (very low blood pressure); the technical definition used in this report can be found on Page 52. Patients in refractory cardiogenic shock are extremely high-risk, but for some, PCI may be their best chance for survival. Furthermore, the magnitude of the risk is not always easily determined using registry data. These cases were excluded after careful deliberation and input from NYS providers and others in an effort to ensure that physicians could accept these cases where appropriate without concern over a detrimental impact on their reported outcomes. These 1,028 cases account for 0.66 percent of all PCI cases in the three years.

Patients were also excluded from analysis when very specific NYS Cardiac Data System criteria for hypoxic brain injury were met. Cases excluded for this reason all involved a pre-PCI cardiac arrest and acute MI (myocardial

infarction, aka heart attack) with the patient in a coma-like neurological state prior to the PCI. In some cases, patients in this condition recover neurologically, although it may be days after the initial event before their neurological status improves. Treating the cardiac condition with PCI can be a lifesaving intervention. However, some patients will never regain consciousness because the injury to the brain caused by lack of oxygen at the time of their cardiac arrest is too severe. After consulting with physicians treating this condition, including the Cardiac Advisory Committee, the Department of Health determined that these cases should be excluded from analyses. The specific criteria for exclusion under this policy can be found on Page 54.

While there were 51,435 PCI cases included in the mortality analysis for 2018 discharges, some additional exclusions were required for the readmission analysis. The reasons for exclusion and number of cases affected are described below.

Records belonging to patients residing outside NYS were excluded because there is no reliable way to track out-of state readmissions. This accounted for 2,175 cases. Another 369 patients were excluded because they died in the same admission as their index PCI, so readmission was impossible. Three hundred and ninety-seven patients were transferred to another hospital and were thus excluded from readmission analysis.

In some cases, patients were readmitted for PCI and then also had a third admission within 30 days of that procedure. No case was counted as both a readmission and an index PCI, resulting in an additional 2,301 exclusions. In addition, 197 patients were excluded due to being discharged Against Medical Advice and 40 patients were deleted due to overlapping dates between index and subsequent hospitalizations.

In total, the number of exclusions was 5,479, leaving 45,956 cases to be examined for 30-day readmission.

This report also includes information on the outcomes for patients undergoing TAVR. In total, there were 12,592 TAVR procedures performed in NYS during the three year period. As with PCI, some TAVR cases had to be excluded from analysis. There were 7 cases excluded because the patient resided outside the United States and could not be followed after discharge; 1 case was excluded because it occurred within thirty days of cardiac surgery and resulted in death, and 5 cases were excluded due to the pre-TAVR risk factor of refractory cardiogenic shock. In total, the number of exclusions for TAVR was 13, leaving 12,579 cases for analysis.

NOTE ON HOSPITALS PERFORMING PCI and TAVR DURING 2016–2018 PERIOD

Several hospitals began performing PCI during the 2016-2018 time period. The hospital name and the month of the first PCI performed are as follows: The Brooklyn Hospital Center – Downtown – March 2017; Niagara Falls Memorial Medical Center – April 2017; Southampton Hospital – September 2017; Peconic Bay Medical Center – October 2017.

With respect to TAVR procedures, please note that some hospitals listed in Table 4 began performing the procedure during the 2016-2018 reporting period and the number of cases listed does not represent a full three year's program activity. Other hospitals may have begun performing the procedure more recently than the timeframe covered by this report.

RISK ADJUSTMENT FOR ASSESSING PROVIDER PERFORMANCE

Hospital or physician performance is an important factor that directly relates to patient outcomes. Whether patients recover quickly, experience complications, are readmitted to a hospital, or die following a procedure is in part a result of the kind of medical care they receive. It is difficult, however, to compare outcomes among hospitals when assessing performance because different hospitals treat different types of patients. Hospitals with sicker patients may have higher rates of readmission and death than other hospitals in the state. The following describes how the Department of Health adjusts for patient risk in assessing outcomes of care in different hospitals.

Data Collection, Data Validation and Identifying Deaths and Readmissions

As part of the risk-adjustment process, hospitals in NYS where PCI or TAVR is performed provide information to the Department of Health for each patient undergoing those procedures. Data concerning patients' demographic and clinical characteristics are collected by hospitals' cardiac catheterization laboratories and/or cardiac surgery departments. Approximately 40 of these characteristics (risk factors) are collected for each patient. Along with information about the hospital, physician and the patient's status at discharge, these data are reported to the Department of Health in the Percutaneous Coronary Interventions Reporting System (PCIRS) for PCI patients and the Cardiac Surgery Reporting System (CSRS) for cardiac surgery and TAVR patients.

Data are verified through review of unusual reporting frequencies, cross-matching of cardiac registry data with other Department of Health databases and a review of medical records for a selected sample of cases. These activities are extremely helpful in ensuring consistent interpretation of data elements across hospitals.

The analysis bases mortality on deaths occurring during the same hospital stay in which a patient underwent PCI or TAVR and on deaths that occur after hospital discharge but within 30 days

of the procedure. In this report, an in-hospital death is defined as a patient who died during the same acute care admission as PCI or TAVR, even if they lived for more than thirty days after the procedure. Patients discharged to hospice care who expire within 30-days of going to hospice are also analyzed as an in-hospital mortality. Data on deaths occurring after discharge from the hospital are made available by the Department of Health, the New York City Department of Health and Mental Hygiene Bureau of Vital Statistics, and the National Death Index.

Data on readmission are obtained from the Department of Health's acute care hospital dataset, the Statewide Planning and Research Cooperative System (SPARCS), which contains data pertaining to all acute care hospital discharges in the state. In addition, PCIRS is used to identify patients who underwent repeat PCI within 30 days but were not recorded in SPARCS because the procedure was technically considered an outpatient procedure.

Thirty-day readmission is defined as unplanned admission to a NYS non-federal hospital within 30 days of discharge from the index hospitalization. Unplanned readmissions are identified using criteria published by the Center for Medicare and Medicaid Services. Any non-staged PCI within 30 days of discharge is counted as a readmission, even if the second procedure is technically performed on an outpatient basis.

Admission for staged PCI, TAVR or cardiac surgery is not counted in this analysis as a readmission. Staged PCI, TAVR, or cardiac surgery occurs when the overall treatment plan at the time of the first procedure includes an expectation for the patient to return at a later date for an additional one of these procedures.

To classify a subsequent PCI as part of a staged procedure, the hospital must be able to demonstrate the following: 1) At the time of the first PCI there was a plan for the patient to return for another PCI as part of the overall treatment strategy, 2) At the time of the second PCI there is an indication that the procedure is in follow-up

to an earlier PCI as part of a staged treatment strategy, 3) None of the lesions treated in the first PCI are treated again in the second PCI, 4) The second PCI is not performed on an emergency basis due to a myocardial infarction (heart attack) or other cardiac emergency. Staged procedures involving PCI followed by cardiac surgery or TAVR are much more rare, but the definition of staging is similar.

There were 1,395 staged PCIs and 158 staged cardiac surgeries or TAVR procedures, that were not counted as readmissions. It should also be noted that if a patient is readmitted in 2018 but not discharged from that hospital stay until the following calendar year, this readmission would not be included in analysis due to data availability limitations.

Assessing Patient Risk

Each person who develops coronary artery disease has a unique health history. A cardiac profile system has been developed to evaluate the risk of treatment for each individual patient based on his or her history, weighing the important health facts for that person based on the experiences of thousands of patients who have undergone the same procedures in recent years. All important risk factors for each patient are combined to create his or her risk profile. For example, an 80-year-old patient with a heart attack in the past six hours has a very different risk profile than a 40-year-old who has never suffered a heart attack. The statistical analyses conducted by the Department of Health consist of determining which of the risk factors collected are significantly related to death or readmission and determining how to weight the significant risk factors to predict the chance each patient will have of dying or being readmitted given his or her specific characteristics.

The statistical methods used to predict mortality on the basis of the significant risk factors are tested to determine whether they are sufficiently accurate in predicting mortality for patients who are extremely ill prior to undergoing the procedure as well as for patients who are relatively healthy. These tests have confirmed that the models are reasonably accurate in predicting how patients of all different risk levels will fare when undergoing PCI.

Predicting Patient Mortality Rates for Hospitals and Cardiologists

The mortality rate for each hospital is also predicted using the statistical model. This is accomplished by adding the predicted probabilities of death for each of the hospital's patients and dividing by the number of patients at that hospital. The resulting rate is an estimate of what the hospital's mortality rate would have been if the hospital's performance was identical to the state performance. The percentage is called the predicted or expected mortality rate (EMR). A hospital's EMR is contrasted with its observed mortality rate (OMR), which is the number of PCI patients at that hospital who died divided by the hospital's total number of PCI patients. The process of determining a cardiologist's predicted mortality rate is exactly the same as described above for hospitals.

Computing the Risk-Adjusted Mortality Rate

The risk-adjusted mortality rate (RAMR) represents the best estimate, based on the associated statistical model, of what the provider's (hospital's or cardiologist's) mortality rate would have been if the provider had a mix of patients identical to the statewide mix. Thus, the RAMR has, to the extent possible, ironed out differences among providers in patient severity of illness, since it arrives at a mortality rate for each provider based on an identical group of patients.

To get the RAMR, the OMR is first divided by the provider's EMR. If the resulting ratio is larger than one, the provider has a higher mortality rate than expected on the basis of its patient mix; if it is smaller than one, the provider has a lower mortality rate than expected from its patient mix. The ratio is then multiplied by the overall statewide rate (1.38 percent in-hospital/30-day in 2018) to obtain the provider's RAMR. There is no Statewide EMR or RAMR, because the statewide data is not risk-adjusted since it comprises the entire population of interest. The Statewide OMR (number of total cases divided by number of total deaths) serves as the basis for comparison for each provider's EMR and RAMR.

Interpreting the Risk-Adjusted Mortality Rate

If the RAMR is significantly lower than the statewide mortality rate, the provider has a better performance than the state as a whole; if the RAMR is significantly higher than the statewide mortality rate, the provider has a worse performance than the state as a whole.

The RAMR is used in this report as a measure of quality of care provided by hospitals and cardiologists. However, there are reasons that a provider's RAMR may not be indicative of its true quality. For example, extreme outcome rates may occur due to chance alone. This is particularly true for low-volume providers, for whom very high or very low rates are more likely to occur than for high-volume providers. To prevent misinterpretation of differences caused by chance variation, expected ranges (confidence intervals) are included in the reported results.

Differences in hospital coding of risk factors could be an additional reason that a hospital's RAMR may not be reflective of quality of care.

The Department of Health monitors the quality of coded data by reviewing a sample of patient medical records to verify the presence of key risk factors. When significant coding problems are discovered, hospitals are required to correct these data and are subject to subsequent monitoring.

Predicting Patient Readmission and Computing and Interpreting Risk-Adjusted Readmission Rates

Patient risk of 30-day readmission is assessed using the same methods used for assessing mortality risk as described above. All potential risk factors are considered and those that are independently related to readmission are identified and given weights so as to best predict the risk of 30-day readmission for each patient. Observed readmission rates (ORR), expected readmission rates (ERR) and risk-adjusted readmission rates (RARR) are calculated in the same way that OMR, EMR and RAMR are calculated. ERR and RARR

are compared to the statewide observed readmission rate (9.03 percent in 2018).

This analysis is based on all-cause readmission, not just readmission directly related to the PCI procedure. Not all readmissions represent a poor patient outcome or reflect poor patient care. However, by risk-adjusting and comparing the results across the many hospitals that perform this procedure we are able to look for meaningful differences from the overall statewide experience. If the RARR is significantly lower than the statewide readmission rate, the hospital has a better performance than the state as a whole; if the RARR is significantly higher than the statewide readmission rate, the hospital has a worse performance than the state as a whole.

As described above for mortality, there are reasons that a hospital's RARR may not be indicative of its true quality. Confidence intervals and careful attention to data quality are used in the same way for readmission that they are for mortality.

How This Initiative Contributes to Quality Improvement

One goal of the Department of Health and the Cardiac Advisory Committee is to improve the quality of care in relation to cardiac surgery and angioplasty in NYS. Providing the hospitals, cardiac surgeons (who perform cardiac surgery and TAVR) and cardiologists (who perform PCI and TAVR) in NYS with data about their own outcomes for these procedures allows them to examine the quality of their own care and to identify opportunities to improve that care.

The data collected and analyzed in this program are reviewed by the Cardiac Advisory Committee, which assists with interpretation and advises the Department of Health regarding which hospitals and physicians may need special attention. Committee members have also conducted site visits to particular hospitals and have recommended that some hospitals obtain the expertise of outside consultants to design improvements for their programs.

DEFINITION OF KEY TERMS

Definitions of key terms are as follows:

The **observed mortality rate (OMR)** is the observed number of deaths divided by the total number of cases.

The **expected mortality rate (EMR)** is the sum of the predicted probabilities of death for all patients divided by the total number of patients.

The **risk-adjusted mortality rate (RAMR)** is the best estimate, based on the statistical model, of what the provider's mortality rate would have been if the provider had a mix of patients similar to the statewide mix. It is obtained by first dividing the OMR by the EMR, and then multiplying that quotient by the statewide mortality rate (1.38 percent in-hospital/30-day mortality for all PCI patients discharged in 2018).

The **observed readmission rate (ORR)** is the observed number of 30-day readmissions divided by the total number of analyzed cases.

The **expected readmission rate (ERR)** is the sum of the predicted probabilities of readmission for all patients divided by the total number of analyzed cases.

The **risk-adjusted readmission rate (RARR)** is the best estimate, based on the statistical model, of what the provider's readmission rate would have been if the provider had a mix of patients similar to the statewide mix. It is obtained by first dividing the ORR by the ERR, and then multiplying that quotient by the statewide readmission rate (9.03 percent 30-day readmission rate for all PCI patients discharged in 2018).

Confidence intervals indicate which providers had significantly more or fewer deaths or readmissions than expected given the risk factors of their patients. Providers with significantly higher rates than expected after adjusting for risk are those with confidence intervals entirely above the statewide rate. Providers with significantly lower rates than expected, given the severity of illness of their patients before the procedure, have confidence intervals entirely below the statewide rate.

2018 HOSPITAL OUTCOMES FOR PCI

Table 1 and Figures 1 and 2 present the PCI mortality results for the 65 non-federal hospitals performing PCI in NYS in 2018. The table contains, for each hospital, the number of PCIs resulting in 2018 discharges, the number of in-hospital/30-day deaths, the OMR, the EMR based on the statistical model presented in Appendix 1, the RAMR and a 95 percent confidence interval for the RAMR. It also contains each hospital's volume of cases and RAMR for non-emergency patients. Emergency patients are defined to be patients in a state of hemodynamic instability (typically associated with very low blood pressure), or patients who experienced a heart attack or cardiac arrest within 24 hours prior to undergoing PCI. The hospital RAMRs for non-emergency PCI patients are provided because many studies are confined to this group of patients and because these patients comprise the majority of all PCI patients (82.10 percent in 2018).

The overall in-hospital/30-day OMR for the 51,435 PCIs included in this 2018 analysis was 1.38 percent. Observed mortality rates ranged from 0.00 percent to 4.37 percent. The range in EMRs, which measure patient severity of illness, was between 0.75 percent and 2.86 percent. The RAMRs, which measure hospital performance, range from 0.00 percent to 3.75 percent. Based on confidence intervals for RAMRs, three hospitals (Albany Medical Center, Samaritan Hospital in Troy, and St. Elizabeth Medical Center in Utica) had RAMRs that were significantly higher than the statewide average. Two hospitals (Maimonides Medical Center in Brooklyn and North Shore University Hospital in Manhasset) had RAMRs that were significantly lower than the statewide average.

The last column of Table 1 presents the hospital RAMRs for non-emergency cases (based on the statistical model presented in Appendix 2). As presented in the last row, the statewide in-hospital/30-day mortality rate for non-emergency cases is 0.87 percent. The range of RAMRs was from 0.00 percent to 4.17 percent. Two hospitals (Albany Medical Center and Samaritan Hospital in Troy) had RAMRs that were significantly higher than the statewide average. One hospital (North Shore University

Hospital in Manhasset) had a RAMR that was significantly lower than the statewide rate.

Figures 1 and 2 provide a visual representation of the data displayed in Table 1. For each hospital, the black dot represents the RAMR and the gray bar represents the confidence interval, or potential statistical error, for the RAMR. The black vertical line is the NYS in-hospital/30-day mortality rate. For any hospital where the gray bar crosses the statewide average line, the RAMR is not statistically different from the state as a whole. A gray bar that extends far above and/or below the statewide average indicates that a hospital has a wide confidence interval. This is common when the hospital has a very small number of cases. It does not necessarily mean that the risk-adjusted mortality rate is very high or very low. Hospitals that are statistical outliers will have gray bars (confidence intervals) that are either entirely above or entirely below the line for the statewide rate.

Since the 2018 PCI analysis is based on in-hospital/30-day mortality and excludes cardiogenic refractory shock and hypoxic brain injury cases, the associated mortality rates cannot be compared directly to some previous NYS publications which are based on only in-hospital mortality and include all cases. The observed in-hospital mortality rate (not shown in Table 1) for 2018 PCI discharges was 0.75 percent for the 51,435 patients included in Table 1. For the non-emergency analysis, there were 42,230 patients with an in-hospital mortality rate of 0.37 percent.

Table 2 presents the PCI 30-day readmission results for the 65 non-federal hospitals performing PCI in NYS in 2018. The table contains, for each hospital, the number of PCIs resulting in 2018 discharges, the number of 30-day readmissions, the ORR, the ERR based on the statistical model presented in Appendix 3, the RARR and a 95 percent confidence interval for the RARR. The overall 30-day ORR for the 45,956 PCIs included in this 2018 analysis was 9.03 percent. Observed readmission rates ranged from 2.86 percent to 18.02 percent. The range in ERRs, which measure patient severity of illness, was between 7.05 percent and 12.34 percent. The RARRs, which measure hospital

performance, range from 3.22 percent to 15.26 percent.

Based on confidence intervals for RARRs, eight hospitals (Albany Medical Center, Brookdale University Hospital Medical Center, Good Samaritan Hospital in West Islip, Huntington Hospital, Montefiore Medical Center - Moses Division in the Bronx, Mt. Sinai Morningside in Manhattan, South Shore University Hospital in Bayshore, and St. Catherine of Siena in Smithtown) had RARRs that were significantly higher than the statewide average. Seven

hospitals (Glens Falls Hospital, Maimonides Medical Center in Brooklyn, Mount Sinai Hospital in Manhattan, NYU Langone Hospital in Brooklyn, Staten Island University Hospital, UVM Health Network at CVPH in Plattsburgh, and Vassar Brothers Medical Center in Poughkeepsie) had RARRs that were significantly lower than the statewide average.

Figure 3 provides a visual representation of the data displayed in Table 2. It is interpreted in the same way as Figures 1 and 2 described above.

Table 1

In-Hospital / 30-Day Observed, Expected and Risk-Adjusted Mortality Rates for PCI in New York State, 2018 Discharges. (Listed Alphabetically by Hospital)

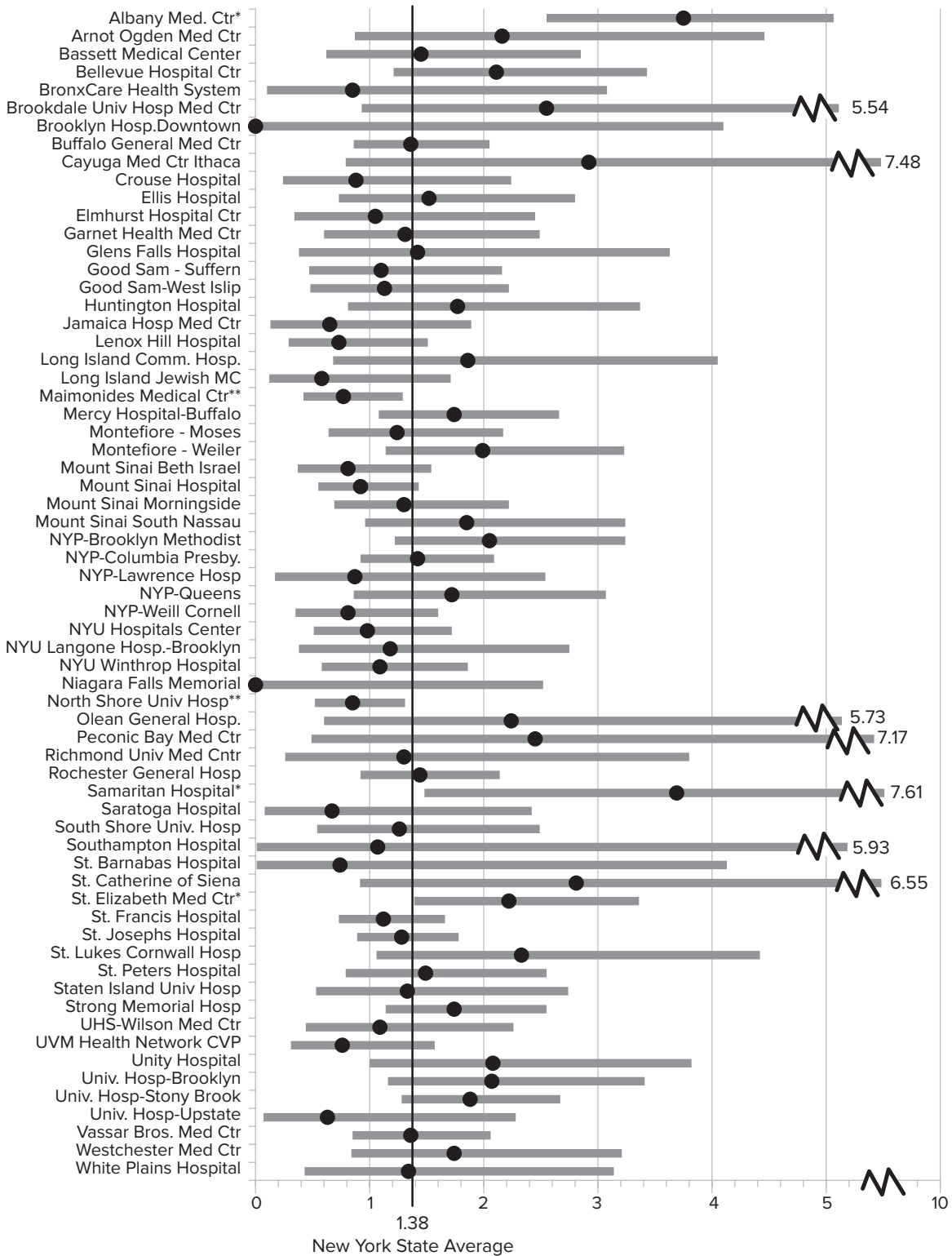
| Hospital | Cases | Deaths | OMR | All Cases | | | 95% CI for RAMR | Non-Emergency | |
|-----------------------------|--------------|------------|-------------|-----------|---------|--------------|-----------------|---------------|--|
| | | | | EMR | RAMR | Cases | | RAMR | |
| Albany Med. Ctr | 709 | 31 | 4.37 | 1.61 | 3.75 * | (2.55, 5.32) | 589 | 2.17* | |
| Arnot Ogden Med Ctr | 266 | 7 | 2.63 | 1.68 | 2.16 | (0.87, 4.46) | 154 | 2.03 | |
| Bassett Medical Center | 469 | 8 | 1.71 | 1.62 | 1.45 | (0.62, 2.85) | 372 | 1.17 | |
| Bellevue Hospital Ctr | 374 | 16 | 4.28 | 2.78 | 2.11 | (1.21, 3.43) | 279 | 1.63 | |
| BronxCare Health System | 222 | 2 | 0.90 | 1.45 | 0.85 | (0.10, 3.08) | 129 | 0.67 | |
| Brookdale Univ Hosp Med Ctr | 189 | 6 | 3.17 | 1.72 | 2.55 | (0.93, 5.54) | 130 | 1.94 | |
| Brooklyn Hosp.Downtown | 129 | 0 | 0.00 | 0.96 | 0.00 | (0.00, 4.10) | 95 | 0.00 | |
| Buffalo General Med Ctr | 1397 | 23 | 1.65 | 1.66 | 1.36 | (0.86, 2.05) | 975 | 0.64 | |
| Cayuga Med Ctr Ithaca | 113 | 4 | 3.54 | 1.67 | 2.92 | (0.79, 7.48) | 54 | 0.00 | |
| Crouse Hospital | 379 | 4 | 1.06 | 1.66 | 0.88 | (0.24, 2.24) | 310 | 0.33 | |
| Ellis Hospital | 600 | 10 | 1.67 | 1.51 | 1.52 | (0.73, 2.80) | 389 | 0.92 | |
| Elmhurst Hospital Ctr | 427 | 5 | 1.17 | 1.54 | 1.05 | (0.34, 2.45) | 284 | 0.55 | |
| Garnet Health Med Ctr | 724 | 9 | 1.24 | 1.30 | 1.31 | (0.60, 2.49) | 566 | 0.82 | |
| Glens Falls Hospital | 206 | 4 | 1.94 | 1.88 | 1.42 | (0.38, 3.63) | 125 | 2.03 | |
| Good Sam - Suffern | 533 | 8 | 1.50 | 1.88 | 1.10 | (0.47, 2.16) | 397 | 0.45 | |
| Good Sam-West Islip | 1198 | 8 | 0.67 | 0.82 | 1.13 | (0.48, 2.22) | 1125 | 0.79 | |
| Huntington Hospital | 576 | 9 | 1.56 | 1.21 | 1.77 | (0.81, 3.37) | 448 | 1.49 | |
| Jamaica Hosp Med Ctr | 291 | 3 | 1.03 | 2.20 | 0.65 | (0.13, 1.89) | 150 | 1.16 | |
| Lenox Hill Hospital | 1759 | 7 | 0.40 | 0.75 | 0.73 | (0.29, 1.51) | 1661 | 0.55 | |
| Long Island Comm. Hosp. | 398 | 6 | 1.51 | 1.12 | 1.86 | (0.68, 4.05) | 275 | 0.92 | |
| Long Island Jewish MC | 668 | 3 | 0.45 | 1.06 | 0.58 | (0.12, 1.71) | 544 | 0.61 | |
| Maimonides Medical Ctr | 1287 | 14 | 1.09 | 1.95 | 0.77 ** | (0.42, 1.29) | 1039 | 0.45 | |
| Mercy Hospital-Buffalo | 1102 | 21 | 1.91 | 1.51 | 1.74 | (1.08, 2.66) | 820 | 1.17 | |
| Montefiore - Moses | 1159 | 12 | 1.04 | 1.14 | 1.24 | (0.64, 2.17) | 1015 | 0.39 | |
| Montefiore - Weiler | 809 | 16 | 1.98 | 1.37 | 1.99 | (1.14, 3.23) | 648 | 1.57 | |
| Mount Sinai Beth Israel | 1458 | 9 | 0.62 | 1.05 | 0.81 | (0.37, 1.54) | 1317 | 0.53 | |
| Mount Sinai Hospital | 3348 | 19 | 0.57 | 0.85 | 0.92 | (0.55, 1.43) | 3216 | 0.56 | |
| Mount Sinai Morningside | 1065 | 13 | 1.22 | 1.30 | 1.30 | (0.69, 2.22) | 954 | 0.79 | |
| Mount Sinai South Nassau | 558 | 12 | 2.15 | 1.60 | 1.85 | (0.96, 3.24) | 415 | 1.03 | |
| NYP-Brooklyn Methodist | 1064 | 18 | 1.69 | 1.13 | 2.05 | (1.22, 3.24) | 968 | 1.28 | |
| NYP-Columbia Presby. | 2098 | 25 | 1.19 | 1.16 | 1.42 | (0.92, 2.09) | 1982 | 1.15 | |
| NYP-Lawrence Hosp | 312 | 3 | 0.96 | 1.52 | 0.87 | (0.17, 2.54) | 240 | 0.47 | |
| NYP-Queens | 761 | 11 | 1.45 | 1.16 | 1.72 | (0.86, 3.07) | 610 | 1.99 | |
| NYP-Weill Cornell | 828 | 8 | 0.97 | 1.64 | 0.81 | (0.35, 1.60) | 707 | 0.62 | |
| NYU Hospitals Center | 2099 | 12 | 0.57 | 0.80 | 0.98 | (0.51, 1.72) | 1967 | 0.60 | |
| NYU Langone Hosp.-Brooklyn | 326 | 5 | 1.53 | 1.79 | 1.18 | (0.38, 2.75) | 222 | 1.01 | |
| NYU Winthrop Hospital | 1033 | 13 | 1.26 | 1.59 | 1.09 | (0.58, 1.86) | 829 | 0.80 | |
| Niagara Falls Memorial | 180 | 0 | 0.00 | 1.11 | 0.00 | (0.00, 2.52) | 134 | 0.00 | |
| North Shore Univ Hosp | 2334 | 20 | 0.86 | 1.39 | 0.85 ** | (0.52, 1.31) | 1980 | 0.47** | |
| Olean General Hosp. | 130 | 4 | 3.08 | 1.89 | 2.24 | (0.60, 5.73) | 60 | 0.00 | |
| Peconic Bay Med Ctr | 141 | 3 | 2.13 | 1.19 | 2.45 | (0.49, 7.17) | 95 | 1.56 | |
| Richmond Univ Med Cntr | 189 | 3 | 1.59 | 1.68 | 1.30 | (0.26, 3.80) | 123 | 0.88 | |
| Rochester General Hosp | 1277 | 24 | 1.88 | 1.80 | 1.44 | (0.92, 2.14) | 1027 | 0.63 | |
| Samaritan Hospital | 260 | 7 | 2.69 | 1.00 | 3.69 * | (1.48, 7.61) | 189 | 4.17 * | |
| Saratoga Hospital | 251 | 2 | 0.80 | 1.63 | 0.67 | (0.08, 2.42) | 160 | 1.02 | |
| South Shore Univ. Hosp | 889 | 8 | 0.90 | 0.98 | 1.26 | (0.54, 2.49) | 763 | 0.84 | |
| Southampton Hospital | 83 | 1 | 1.20 | 1.56 | 1.07 | (0.01, 5.93) | 53 | 0.00 | |
| St. Barnabas Hospital | 134 | 1 | 0.75 | 1.39 | 0.74 | (0.01, 4.13) | 104 | 0.00 | |
| St. Catherine of Siena | 228 | 5 | 2.19 | 1.07 | 2.81 | (0.91, 6.55) | 194 | 2.29 | |
| St. Elizabeth Med Ctr | 864 | 22 | 2.55 | 1.58 | 2.22 * | (1.39, 3.36) | 660 | 1.30 | |
| St. Francis Hospital | 2823 | 25 | 0.89 | 1.09 | 1.12 | (0.73, 1.66) | 2629 | 0.81 | |
| St. Josephs Hospital | 2012 | 35 | 1.74 | 1.87 | 1.28 | (0.89, 1.78) | 1528 | 0.77 | |
| St. Lukes Cornwall Hosp | 360 | 9 | 2.50 | 1.48 | 2.33 | (1.06, 4.42) | 285 | 1.82 | |
| St. Peters Hospital | 809 | 13 | 1.61 | 1.48 | 1.49 | (0.79, 2.55) | 636 | 0.66 | |
| Staten Island Univ Hosp | 877 | 7 | 0.80 | 0.82 | 1.33 | (0.53, 2.74) | 745 | 1.08 | |
| Strong Memorial Hosp | 1166 | 26 | 2.23 | 1.76 | 1.74 | (1.14, 2.55) | 748 | 0.75 | |
| UHS-Wilson Med Ctr | 650 | 7 | 1.08 | 1.35 | 1.09 | (0.44, 2.26) | 506 | 0.53 | |
| UVM Health Network CVP | 696 | 7 | 1.01 | 1.81 | 0.76 | (0.31, 1.57) | 494 | 1.06 | |
| Unity Hospital | 275 | 10 | 3.64 | 2.41 | 2.08 | (1.00, 3.82) | 186 | 0.74 | |
| Univ. Hosp-Brooklyn | 350 | 15 | 4.29 | 2.86 | 2.07 | (1.16, 3.41) | 228 | 1.17 | |
| Univ. Hosp-Stony Brook | 1333 | 31 | 2.33 | 1.70 | 1.88 | (1.28, 2.67) | 1074 | 1.23 | |
| Univ. Hosp-Upstate | 203 | 2 | 0.99 | 2.15 | 0.63 | (0.07, 2.28) | 112 | 0.00 | |
| Vassar Bros. Med Ctr | 1091 | 22 | 2.02 | 2.04 | 1.36 | (0.85, 2.06) | 822 | 0.96 | |
| Westchester Med Ctr | 423 | 10 | 2.36 | 1.87 | 1.74 | (0.84, 3.21) | 295 | 1.66 | |
| White Plains Hospital | 473 | 5 | 1.06 | 1.08 | 1.34 | (0.43, 3.14) | 400 | 0.91 | |
| Statewide Total | 51435 | 708 | 1.38 | | | | 42230 | 0.87 | |

*Risk-adjusted mortality rate significantly higher than statewide rate based on 95 percent confidence interval.

**Risk-adjusted mortality rate significantly lower than statewide rate based on 95 percent confidence interval.

Figure 1

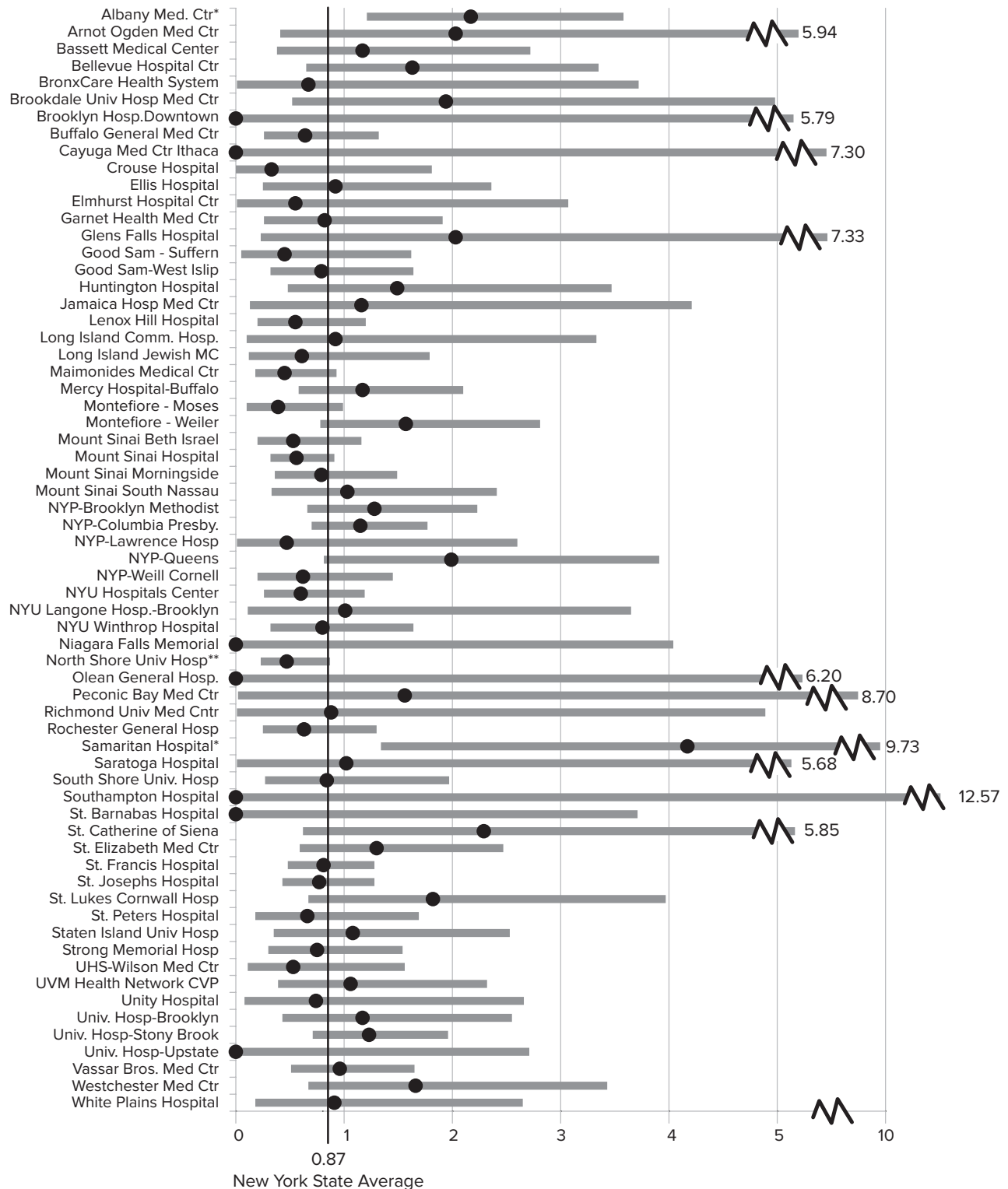
In-Hospital/30-Day Risk-Adjusted Mortality Rates for PCI in New York State, 2018 Discharges (All Cases)



Key
 ● RAMR ■ Potential margin of statistical error
 *RAMR significantly higher than statewide rate based on 95 percent confidence interval.
 **RAMR significantly lower than statewide rate based on 95 percent confidence interval.

Figure 2

In-Hospital/30-Day Risk-Adjusted Mortality Rates for PCI in New York State, 2018 Discharges (Non-Emergency Cases)



Key
 ● RAMR ■ Potential margin of statistical error
 *RAMR significantly higher than statewide rate based on 95 percent confidence interval.
 **RAMR significantly lower than statewide rate based on 95 percent confidence interval.

Table 2

Hospital Observed, Expected and Risk-Adjusted Readmission Rates for All PCI in New York State, 2018

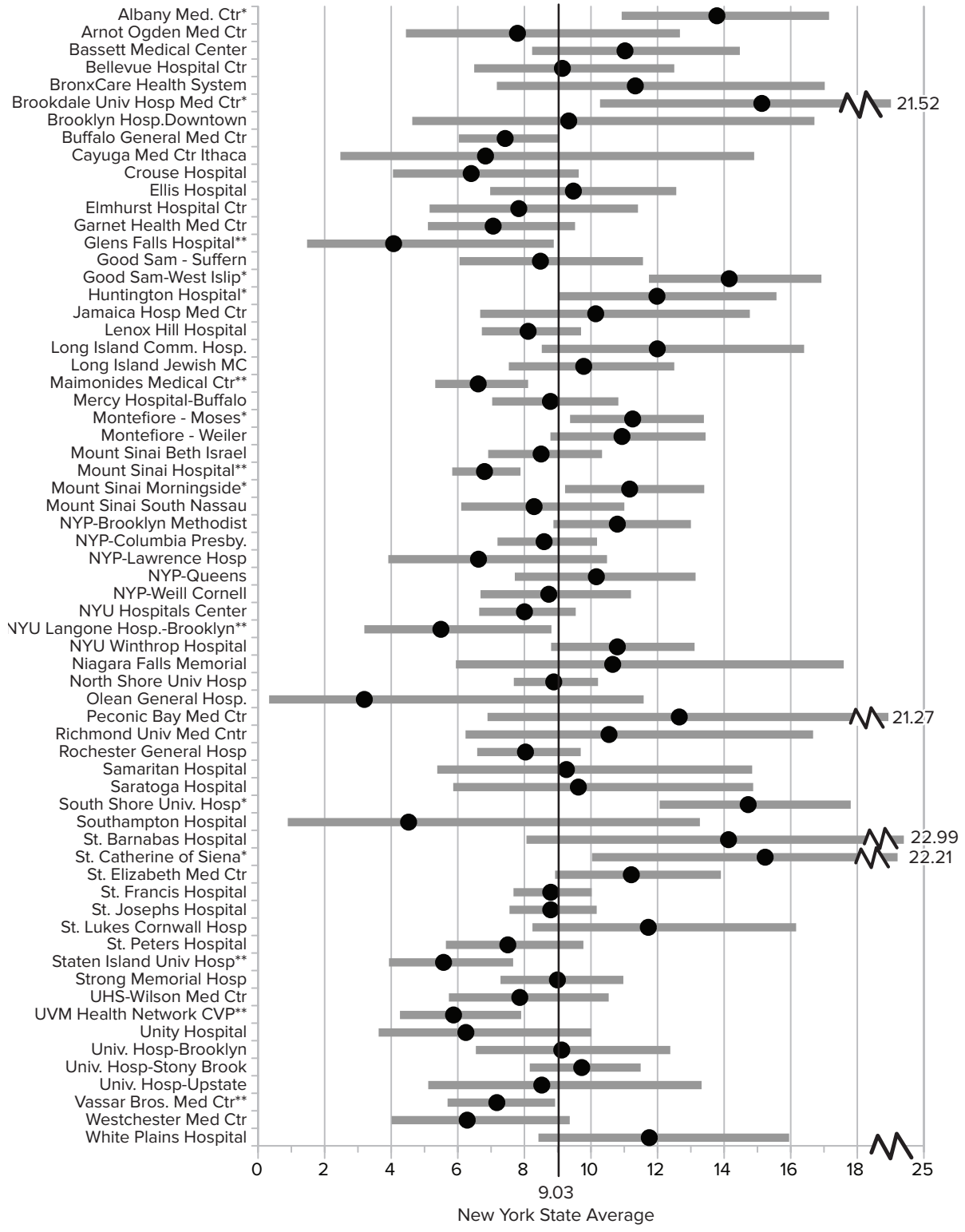
| Hospital | Cases | Readmissions | ORR | All Cases | | 95% CI for RARR |
|-----------------------------|--------------|--------------|-------------|-----------|---------|-----------------|
| | | | | ERR | RARR | |
| Albany Med. Ctr | 592 | 80 | 13.51 | 8.84 | 13.81 * | (10.9,17.18) |
| Arnot Ogden Med Ctr | 221 | 16 | 7.24 | 8.36 | 7.82 | (4.47,12.70) |
| Bassett Medical Center | 418 | 52 | 12.44 | 10.16 | 11.05 | (8.26,14.50) |
| Bellevue Hospital Ctr | 337 | 39 | 11.57 | 11.40 | 9.17 | (6.52,12.53) |
| BronxCare Health System | 194 | 23 | 11.86 | 9.42 | 11.36 | (7.20,17.05) |
| Brookdale Univ Hosp Med Ctr | 172 | 31 | 18.02 | 10.74 | 15.16 * | (10.3,21.52) |
| Brooklyn Hosp.Downtown | 112 | 11 | 9.82 | 9.48 | 9.36 | (4.66,16.74) |
| Buffalo General Med Ctr | 1297 | 99 | 7.63 | 9.25 | 7.45 | (6.06, 9.07) |
| Cayuga Med Ctr Ithaca | 96 | 6 | 6.25 | 8.23 | 6.86 | (2.50,14.93) |
| Crouse Hospital | 356 | 23 | 6.46 | 9.07 | 6.43 | (4.08, 9.66) |
| Ellis Hospital | 550 | 48 | 8.73 | 8.30 | 9.50 | (7.00,12.59) |
| Elmhurst Hospital Ctr | 387 | 27 | 6.98 | 8.01 | 7.86 | (5.18,11.44) |
| Garnet Health Med Ctr | 633 | 43 | 6.79 | 8.65 | 7.09 | (5.13, 9.55) |
| Glens Falls Hospital | 174 | 6 | 3.45 | 7.60 | 4.10 ** | (1.50, 8.91) |
| Good Sam - Suffern | 430 | 40 | 9.30 | 9.87 | 8.51 | (6.08,11.59) |
| Good Sam-West Islip | 1092 | 121 | 11.08 | 7.05 | 14.18 * | (11.8,16.95) |
| Huntington Hospital | 508 | 56 | 11.02 | 8.29 | 12.01* | (9.08,15.60) |
| Jamaica Hosp Med Ctr | 266 | 27 | 10.15 | 9.01 | 10.17 | (6.70,14.80) |
| Lenox Hill Hospital | 1636 | 121 | 7.40 | 8.21 | 8.14 | (6.75, 9.73) |
| Long Island Comm. Hosp. | 365 | 39 | 10.68 | 8.03 | 12.02 | (8.55,16.43) |
| Long Island Jewish MC | 638 | 64 | 10.03 | 9.23 | 9.81 | (7.56,12.53) |
| Maimonides Medical Ctr | 1224 | 92 | 7.52 | 10.23 | 6.64 ** | (5.35, 8.14) |
| Mercy Hospital-Buffalo | 1017 | 88 | 8.65 | 8.87 | 8.81 | (7.06,10.85) |
| Montefiore - Moses | 981 | 127 | 12.95 | 10.36 | 11.28 * | (9.40,13.42) |
| Montefiore - Weiler | 736 | 90 | 12.23 | 10.08 | 10.96 | (8.81,13.47) |
| Mount Sinai Beth Israel | 1258 | 101 | 8.03 | 8.50 | 8.53 | (6.94,10.36) |
| Mount Sinai Hospital | 2661 | 178 | 6.69 | 8.84 | 6.83 ** | (5.86, 7.91) |
| Mount Sinai Morningside | 927 | 116 | 12.51 | 10.10 | 11.19* | (9.25,13.43) |
| Mount Sinai South Nassau | 518 | 48 | 9.27 | 10.06 | 8.32 | (6.13,11.03) |
| NYP-Brooklyn Methodist | 985 | 111 | 11.27 | 9.40 | 10.82 | (8.90,13.03) |
| NYP-Columbia Presby. | 1512 | 134 | 8.86 | 9.29 | 8.62 | (7.22,10.21) |
| NYP-Lawrence Hosp | 288 | 18 | 6.25 | 8.48 | 6.65 | (3.94,10.51) |
| NYP-Queens | 722 | 58 | 8.03 | 7.12 | 10.19 | (7.74,13.17) |
| NYP-Weill Cornell | 667 | 62 | 9.30 | 9.58 | 8.76 | (6.71,11.23) |
| NYU Hospitals Center | 1879 | 124 | 6.60 | 7.43 | 8.03 | (6.67, 9.57) |
| NYU Langone Hosp.-Brooklyn | 308 | 17 | 5.52 | 9.02 | 5.52 ** | (3.22, 8.84) |
| NYU Winthrop Hospital | 970 | 102 | 10.52 | 8.77 | 10.82 | (8.83,13.14) |
| Niagara Falls Memorial | 157 | 15 | 9.55 | 8.08 | 10.68 | (5.97,17.62) |
| North Shore Univ Hosp | 2150 | 198 | 9.21 | 9.34 | 8.91 | (7.71,10.24) |
| Olean General Hosp. | 70 | 2 | 2.86 | 8.02 | 3.22 | (0.36,11.61) |
| Peconic Bay Med Ctr | 125 | 14 | 11.20 | 7.98 | 12.68 | (6.92,21.27) |
| Richmond Univ Med Cntr | 174 | 18 | 10.34 | 8.84 | 10.57 | (6.26,16.70) |
| Rochester General Hosp | 1214 | 109 | 8.98 | 10.06 | 8.06 | (6.61, 9.72) |
| Samaritan Hospital | 225 | 17 | 7.56 | 7.35 | 9.29 | (5.41,14.87) |
| Saratoga Hospital | 230 | 20 | 8.70 | 8.14 | 9.65 | (5.89,14.90) |
| South Shore Univ. Hosp | 825 | 107 | 12.97 | 7.94 | 14.75* | (12.1,17.83) |
| Southampton Hospital | 76 | 3 | 3.95 | 7.83 | 4.55 | (0.92,13.30) |
| St. Barnabas Hospital | 109 | 16 | 14.68 | 9.36 | 14.16 | (8.09,22.99) |
| St. Catherine of Siena | 204 | 27 | 13.24 | 7.83 | 15.26 * | (10.1,22.21) |
| St. Elizabeth Med Ctr | 783 | 83 | 10.60 | 8.52 | 11.24 | (8.95,13.93) |
| St. Francis Hospital | 2554 | 224 | 8.77 | 8.98 | 8.82 | (7.70,10.05) |
| St. Josephs Hospital | 1905 | 182 | 9.55 | 9.78 | 8.82 | (7.58,10.20) |
| St. Lukes Cornwall Hosp | 313 | 37 | 11.82 | 9.09 | 11.75 | (8.27,16.19) |
| St. Peters Hospital | 760 | 55 | 7.24 | 8.68 | 7.53 | (5.67, 9.80) |
| Staten Island Univ Hosp | 823 | 38 | 4.62 | 7.44 | 5.60 ** | (3.96, 7.69) |
| Strong Memorial Hosp | 1107 | 97 | 8.76 | 8.77 | 9.02 | (7.31,11.00) |
| UHS-Wilson Med Ctr | 572 | 45 | 7.87 | 9.00 | 7.89 | (5.76,10.56) |
| UVM Health Network CVP | 662 | 44 | 6.65 | 10.17 | 5.90 ** | (4.29, 7.93) |
| Unity Hospital | 242 | 17 | 7.02 | 10.11 | 6.27 | (3.65,10.04) |
| Univ. Hosp-Brooklyn | 328 | 41 | 12.50 | 12.34 | 9.15 | (6.57,12.41) |
| Univ. Hosp-Stony Brook | 1242 | 138 | 11.11 | 10.29 | 9.75 | (8.19,11.52) |
| Univ. Hosp-Upstate | 196 | 19 | 9.69 | 10.24 | 8.55 | (5.14,13.35) |
| Vassar Bros. Med Ctr | 1006 | 81 | 8.05 | 10.10 | 7.20 ** | (5.72, 8.95) |
| Westchester Med Ctr | 385 | 24 | 6.23 | 8.92 | 6.31 | (4.04, 9.39) |
| White Plains Hospital | 392 | 41 | 10.46 | 8.02 | 11.78 | (8.45,15.98) |
| Statewide Total | 45956 | 4150 | 9.03 | | | |

*Risk-adjusted readmission rate significantly higher than statewide rate based on 95 percent confidence interval.

**Risk-adjusted readmission rate significantly lower than statewide rate based on 95 percent confidence interval.

Figure 3

30-Day Risk-Adjusted Readmission Rates for PCI in New York State, 2018 Discharges (All Cases)



Key
 ● RARR ■ Potential margin of statistical error
 *RARR significantly higher than statewide rate based on 95 percent confidence interval.
 **RARR significantly lower than statewide rate based on 95 percent confidence interval.

2016-2018 HOSPITAL DATA FOR PCI AND TAVR

Table 3 provides the number of PCIs, the in-hospital/30-day OMR and RAMR for 2016-2018 for each of three types of PCI patients in the 65 hospitals performing PCI during the time period. The three types of patients are: all patients, non-emergency patients and emergency patients (patients in a state of hemodynamic instability, typically associated with very low blood pressure, or patients who experienced a cardiac arrest or heart attack within 24 hours prior to undergoing PCI). The statistical models that are the basis for all patients, non-emergency patients and emergency patients in 2016-2018 are presented in Appendices 4-6, respectively.

As indicated in Table 3, the three-year observed in-hospital/30-day mortality rates for all PCI patients ranged from 0.00 percent to 3.61 percent, and the RAMRs ranged from 0.00 percent to 3.22 percent. Seven hospitals (Albany Medical Center, Mercy Hospital in Buffalo, Samaritan Hospital in Troy, St. Elizabeth Medical Center in Utica, Strong Memorial Hospital in Rochester, Unity Hospital in Rochester, and University Hospital - Upstate in Syracuse) had RAMRs that were significantly higher than the statewide rate. Five hospitals (Lenox Hill Hospital in Manhattan, Maimonides Medical Center in Brooklyn, Mount Sinai Beth Israel in Manhattan, Mount Sinai Morningside in Manhattan, and NY Presbyterian at Weill Cornell in Manhattan) had RAMRs that were significantly lower than the statewide rate. It should be noted that hospitals are more likely to have results that show a statistically significant difference from the statewide rate when three years of data are used than when one year of data is used because the three-year volumes are higher.

Table 3 also presents the three-year in-hospital/30-day RAMRs for non-emergency cases based on the model in Appendix 5. Non-emergency cases comprise 82.43 percent of cases for the period 2016-2018. The statewide in-hospital/30-day mortality rate for the 126,287 non-emergency cases during the 3-year period was 0.83 percent. Observed mortality rates for this group of patients ranged from 0.00 percent to 2.53 percent and the RAMRs ranged from 0.00 to 3.13 percent. Seven hospitals (Albany Medical Center, Mercy Hospital in

Buffalo, Samaritan Hospital in Troy, South Shore University Hospital in Bayshore, St. Elizabeth Medical Center in Utica, St. Lukes Cornwall Hospital, and University Hospital - Upstate in Syracuse) had RAMRs that were significantly higher than the statewide rate. Three hospitals (Maimonides Medical Center in Brooklyn, Mount Sinai Beth Israel in Manhattan, and NY Presbyterian at Weill Cornell in Manhattan) had RAMRs that were significantly lower than the statewide average for non-emergency cases.

The last three columns in Table 3 present data on emergency cases based on the model in Appendix 6. Emergency cases represented 17.57 percent of cases for the period 2016-2018. The statewide in-hospital/30-day mortality rate for the 26,914 emergency PCI cases during the 3-year period was 3.21 percent. Observed mortality rates for this group ranged from 0.00 percent to 7.50 percent and the RAMRs ranged from 0.00 percent to 6.19 percent. Five hospitals (Albany Medical Center, Rochester General Hospital, Strong Memorial Hospital in Rochester, Unity Hospital in Rochester, and University Hospital Stony Brook) had RAMRs that were significantly above the statewide average for emergency cases. Four hospitals (Long Island Jewish Medical Center in New Hyde Park, Maimonides Medical Center in Brooklyn, NY Presbyterian at Queens, and NY Presbyterian at Weill Cornell in Manhattan) had RAMRs that were significantly below the statewide average for emergency cases.

The observed in-hospital mortality rate (not shown in Table 3) for all 153,201 cases included in Table 3 was 0.71 percent. The in-hospital mortality rate was 0.37 percent for the 126,287 non-emergency cases and 2.31 percent for the 26,914 emergency cases. As stated above, all cases with shock and hypoxic brain injury exclusion criteria discharged in 2016-2018 are excluded from these analyses. Therefore, volume and mortality rates for the all cases and emergency cases analyses are not directly comparable to some previously published by the Department of Health.

Table 4 presents the results for transcatheter aortic valve replacement (TAVR) procedures performed at the 28 hospitals performing TAVR

during the 2016-2018 discharge period. The table contains, for each hospital, the number of TAVR procedures resulting in 2016-2018 discharges, the number of in-hospital/30-day deaths, the OMR, the EMR based on the statistical model presented in Appendix 7, the RAMR and a 95 percent confidence interval for the RAMR. Please note, some hospitals listed in Table 4 began performing the procedure during the 2016-2018 reporting period and the number of cases listed does not represent a full three year's program activity. Other hospitals may have begun performing the procedure more recently than the time period included in this report.

As indicated in Table 4, the overall in-hospital/30-day mortality rate for the 12,579 TAVR procedures performed at the 28 hospitals was 2.42 percent. The OMRs ranged from 0.00 percent to 4.76 percent. The range of EMRs, which measure patient severity of illness, was 1.38 percent to 3.07 percent.

The RAMRs, which are used to measure performance, ranged from 0.00 percent to 4.47 percent. One hospital (Albany Medical Center) had a RAMR that was statistically higher than the statewide rate. Two hospitals (Lenox Hill Hospital in Manhattan and NY Presbyterian at Columbia in Manhattan) had RAMRs that were statistically lower than the statewide rate.

Table 3

In-Hospital / 30-Day Observed and Risk-Adjusted Mortality Rates for PCI in New York State, 2016-2018 Discharges

| Hospital | All Cases | | | Non-Emergency Cases | | | Emergency Cases | | |
|-----------------------------|---------------|-------------|---------|---------------------|-------------|---------|-----------------|-------------|---------|
| | Cases | OMR | RAMR | Cases | OMR | RAMR | Cases | OMR | RAMR |
| Albany Med. Ctr | 2122 | 3.20 | 2.72 * | 1640 | 2.44 | 1.93 * | 482 | 5.81 | 6.15 * |
| Arnot Ogden Med Ctr | 869 | 1.61 | 1.24 | 566 | 0.71 | 0.70 | 303 | 3.30 | 3.25 |
| Bassett Medical Center | 1607 | 1.18 | 1.10 | 1286 | 0.93 | 0.88 | 321 | 2.18 | 2.21 |
| Bellevue Hospital Ctr | 1240 | 2.50 | 1.51 | 970 | 1.55 | 1.03 | 270 | 5.93 | 3.93 |
| BronxCare Health System | 610 | 0.66 | 0.64 | 382 | 0.52 | 0.59 | 228 | 0.88 | 1.41 |
| Brookdale Univ Hosp Med Ctr | 620 | 2.10 | 1.21 | 436 | 1.15 | 0.58 | 184 | 4.35 | 4.40 |
| Brooklyn Hosp.Downtown | 249 | 0.40 | 0.48 | 194 | 0.00 | 0.00 | 55 | 1.82 | 3.02 |
| Buffalo General Med Ctr | 4397 | 1.30 | 1.24 | 3138 | 0.67 | 0.68 | 1259 | 2.86 | 3.66 |
| Cayuga Med Ctr Ithaca | 402 | 2.74 | 2.05 | 196 | 1.02 | 1.18 | 206 | 4.37 | 5.39 |
| Crouse Hospital | 1183 | 2.03 | 1.72 | 912 | 0.99 | 1.12 | 271 | 5.54 | 4.62 |
| Ellis Hospital | 1630 | 1.84 | 1.56 | 1052 | 0.86 | 0.80 | 578 | 3.63 | 4.42 |
| Elmhurst Hospital Ctr | 1262 | 1.03 | 1.03 | 838 | 0.12 | 0.23 | 424 | 2.83 | 3.24 |
| Garnet Health Med Ctr | 1924 | 0.94 | 1.00 | 1456 | 0.76 | 0.74 | 468 | 1.50 | 2.25 |
| Glens Falls Hospital | 636 | 1.26 | 1.05 | 399 | 1.00 | 1.64 | 237 | 1.69 | 1.68 |
| Good Sam - Suffern | 1585 | 1.32 | 1.02 | 1159 | 0.60 | 0.55 | 426 | 3.29 | 2.94 |
| Good Sam-West Islip | 3475 | 0.86 | 1.42 | 3236 | 0.80 | 1.15 | 239 | 1.67 | 1.70 |
| Huntington Hospital | 1672 | 1.26 | 1.52 | 1361 | 0.96 | 1.25 | 311 | 2.57 | 2.91 |
| Jamaica Hosp Med Ctr | 872 | 1.03 | 0.78 | 432 | 0.69 | 0.77 | 440 | 1.36 | 1.76 |
| Lenox Hill Hospital | 5256 | 0.53 | 0.86 ** | 4939 | 0.40 | 0.60 | 317 | 2.52 | 1.94 |
| Long Island Comm. Hosp. | 1236 | 1.21 | 1.44 | 940 | 0.85 | 1.19 | 296 | 2.36 | 2.91 |
| Long Island Jewish MC | 2040 | 0.64 | 0.80 | 1669 | 0.60 | 0.70 | 371 | 0.81 | 1.06 ** |
| Maimonides Medical Ctr | 3905 | 1.23 | 0.76 ** | 3151 | 0.83 | 0.50 ** | 754 | 2.92 | 1.97 ** |
| Mercy Hospital-Buffalo | 3333 | 1.71 | 1.72 * | 2540 | 1.22 | 1.27 * | 793 | 3.28 | 3.98 |
| Montefiore - Moses | 3174 | 0.98 | 1.06 | 2768 | 0.51 | 0.50 | 406 | 4.19 | 4.40 |
| Montefiore - Weiler | 2117 | 1.32 | 1.11 | 1668 | 1.20 | 0.90 | 449 | 1.78 | 2.00 |
| Mount Sinai Beth Israel | 4632 | 0.69 | 0.88 ** | 4230 | 0.35 | 0.40 ** | 402 | 4.23 | 3.75 |
| Mount Sinai Hospital | 10160 | 0.74 | 1.02 | 9780 | 0.62 | 0.68 | 380 | 3.68 | 2.87 |
| Mount Sinai Morningside | 2580 | 1.12 | 0.87 ** | 2273 | 0.84 | 0.54 | 307 | 3.26 | 2.83 |
| Mount Sinai South Nassau | 1541 | 1.36 | 1.16 | 1120 | 0.63 | 0.61 | 421 | 3.33 | 3.34 |
| NYP-Brooklyn Methodist | 3289 | 1.25 | 1.43 | 2952 | 0.91 | 0.98 | 337 | 4.15 | 3.39 |
| NYP-Columbia Presby. | 6460 | 1.05 | 1.21 | 6130 | 0.82 | 0.82 | 330 | 5.45 | 3.04 |
| NYP-Lawrence Hosp | 836 | 0.84 | 0.84 | 655 | 0.31 | 0.35 | 181 | 2.76 | 2.88 |
| NYP-Queens | 2097 | 0.67 | 0.89 | 1676 | 0.54 | 1.00 | 421 | 1.19 | 1.25 ** |
| NYP-Weill Cornell | 2838 | 0.78 | 0.60 ** | 2453 | 0.53 | 0.43 ** | 385 | 2.34 | 1.39 ** |
| NYU Hospitals Center | 6032 | 0.65 | 1.25 | 5663 | 0.51 | 0.86 | 369 | 2.71 | 2.75 |
| NYU Langone Hosp.-Brooklyn | 860 | 1.28 | 0.91 | 585 | 0.85 | 0.85 | 275 | 2.18 | 1.95 |
| NYU Winthrop Hospital | 3156 | 1.08 | 1.05 | 2636 | 0.72 | 0.72 | 520 | 2.88 | 2.48 |
| Niagara Falls Memorial | 265 | 0.00 | 0.00 | 199 | 0.00 | 0.00 | 66 | 0.00 | 0.00 |
| North Shore Univ Hosp | 7197 | 1.08 | 1.13 | 6153 | 0.81 | 0.79 | 1044 | 2.68 | 2.75 |
| Olean General Hosp. | 464 | 1.94 | 1.50 | 247 | 1.21 | 1.43 | 217 | 2.76 | 3.34 |
| Peconic Bay Med Ctr | 161 | 2.48 | 3.22 | 108 | 1.85 | 3.13 | 53 | 3.77 | 6.19 |
| Richmond Univ Med Cntr | 537 | 0.93 | 0.81 | 376 | 0.53 | 0.66 | 161 | 1.86 | 1.92 |
| Rochester General Hosp | 4058 | 1.55 | 1.47 | 3320 | 0.75 | 0.72 | 738 | 5.15 | 4.96 * |
| Samaritan Hospital | 679 | 2.36 | 2.68 * | 452 | 1.55 | 2.65 * | 227 | 3.96 | 5.49 |
| Saratoga Hospital | 455 | 1.10 | 1.02 | 309 | 1.29 | 1.68 | 146 | 0.68 | 0.72 |
| South Shore Univ. Hosp | 2461 | 1.26 | 1.60 | 2132 | 1.17 | 1.49 * | 329 | 1.82 | 1.90 |
| Southampton Hospital | 108 | 2.78 | 1.91 | 68 | 0.00 | 0.00 | 40 | 7.50 | 5.74 |
| St. Barnabas Hospital | 479 | 1.25 | 1.22 | 386 | 0.78 | 0.78 | 93 | 3.23 | 3.17 |
| St. Catherine of Siena | 814 | 1.35 | 1.42 | 653 | 1.07 | 1.10 | 161 | 2.48 | 2.98 |
| St. Elizabeth Med Ctr | 2712 | 2.06 | 1.72 * | 2114 | 1.37 | 1.25 * | 598 | 4.52 | 4.02 |
| St. Francis Hospital | 8403 | 0.95 | 1.13 | 7872 | 0.71 | 0.73 | 531 | 4.52 | 3.39 |
| St. Josephs Hospital | 5960 | 1.63 | 1.30 | 4534 | 1.12 | 0.85 | 1426 | 3.23 | 3.49 |
| St. Lukes Cornwall Hosp | 1059 | 1.89 | 1.74 | 819 | 1.71 | 1.54 * | 240 | 2.50 | 2.81 |
| St. Peters Hospital | 2512 | 1.51 | 1.48 | 1971 | 0.86 | 0.94 | 541 | 3.88 | 3.79 |
| Staten Island Univ Hosp | 2504 | 0.84 | 1.20 | 2091 | 0.81 | 1.11 | 413 | 0.97 | 1.36 |
| Strong Memorial Hosp | 3640 | 1.81 | 1.63 * | 2441 | 0.86 | 0.89 | 1199 | 3.75 | 4.41 * |
| UHS-Wilson Med Ctr | 2093 | 1.00 | 0.97 | 1647 | 0.73 | 0.75 | 446 | 2.02 | 2.20 |
| UVM Health Network CVP | 1972 | 1.12 | 1.04 | 1397 | 1.00 | 1.01 | 575 | 1.39 | 1.67 |
| Unity Hospital | 913 | 3.61 | 2.42 * | 600 | 1.83 | 1.45 | 313 | 7.03 | 5.99 * |
| Univ. Hosp-Brooklyn | 1079 | 2.69 | 1.41 | 744 | 1.88 | 0.97 | 335 | 4.48 | 3.60 |
| Univ. Hosp-Stony Brook | 4291 | 1.77 | 1.50 | 3380 | 1.04 | 0.83 | 911 | 4.50 | 4.58 * |
| Univ. Hosp-Upstate | 718 | 3.34 | 2.32 * | 434 | 2.53 | 1.96 * | 284 | 4.58 | 5.07 |
| Vassar Bros. Med Ctr | 2997 | 1.43 | 1.06 | 2272 | 1.10 | 0.77 | 725 | 2.48 | 2.50 |
| Westchester Med Ctr | 1236 | 2.27 | 1.62 | 800 | 1.75 | 1.31 | 436 | 3.21 | 3.24 |
| White Plains Hospital | 1537 | 1.43 | 1.47 | 1287 | 0.78 | 0.93 | 250 | 4.80 | 3.91 |
| Statewide Total | 153201 | 1.25 | | 126287 | 0.83 | | 26914 | 3.21 | |

*Risk-adjusted mortality rate significantly higher than statewide rate based on 95 percent confidence interval.

**Risk-adjusted mortality rate significantly lower than statewide rate based on 95 percent confidence interval.

Table 4

In-hospital/30-Day Observed, Expected and Risk-Adjusted Mortality Rates for TAVR in New York State, 2016-2018 Discharges (Listed Alphabetically by Hospital)

| Hospital | Cases | Deaths | OMR | EMR | RAMR | 95% CI for RAMR |
|-------------------------|--------------|------------|-------------|------|---------|-----------------|
| Albany Med. Ctr | 735 | 35 | 4.76 | 3.07 | 3.76 * | (2.62, 5.24) |
| Buffalo General Med Ctr | 808 | 19 | 2.35 | 2.25 | 2.54 | (1.53, 3.96) |
| Good Sam-West Islip | 40 | 0 | 0.00 | 2.09 | 0.00 | (0.00,10.63) |
| Lenox Hill Hospital | 338 | 0 | 0.00 | 2.03 | 0.00 ** | (0.00, 1.30) |
| Maimonides Medical Ctr | 228 | 7 | 3.07 | 2.43 | 3.06 | (1.23, 6.31) |
| Mercy Hospital-Buffalo | 194 | 4 | 2.06 | 1.99 | 2.52 | (0.68, 6.44) |
| Montefiore - Moses | 58 | 2 | 3.45 | 2.69 | 3.11 | (0.35,11.22) |
| Montefiore - Weiler | 257 | 5 | 1.95 | 2.12 | 2.23 | (0.72, 5.20) |
| Mount Sinai Hospital | 862 | 17 | 1.97 | 2.61 | 1.84 | (1.07, 2.94) |
| Mount Sinai Morningside | 9 | 0 | 0.00 | 1.38 | 0.00 | (0.00,71.52) |
| NYP-Brooklyn Methodist | 86 | 2 | 2.33 | 2.28 | 2.47 | (0.28, 8.92) |
| NYP-Columbia Presby. | 1237 | 20 | 1.62 | 2.71 | 1.45 ** | (0.88, 2.24) |
| NYP-Weill Cornell | 569 | 11 | 1.93 | 1.89 | 2.47 | (1.23, 4.43) |
| NYU Hospitals Center | 1031 | 13 | 1.26 | 1.73 | 1.77 | (0.94, 3.02) |
| NYU Winthrop Hospital | 840 | 29 | 3.45 | 2.90 | 2.89 | (1.93, 4.15) |
| North Shore Univ Hosp | 800 | 17 | 2.13 | 2.54 | 2.03 | (1.18, 3.24) |
| Rochester General Hosp | 456 | 17 | 3.73 | 2.54 | 3.56 | (2.07, 5.70) |
| South Shore Univ. Hosp | 279 | 7 | 2.51 | 2.65 | 2.29 | (0.92, 4.73) |
| St. Elizabeth Med Ctr | 142 | 4 | 2.82 | 2.42 | 2.82 | (0.76, 7.22) |
| St. Francis Hospital | 1260 | 37 | 2.94 | 2.47 | 2.88 | (2.03, 3.97) |
| St. Josephs Hospital | 497 | 10 | 2.01 | 2.71 | 1.80 | (0.86, 3.31) |
| St. Peters Hospital | 218 | 2 | 0.92 | 2.15 | 1.03 | (0.12, 3.74) |
| Staten Island Univ Hosp | 90 | 0 | 0.00 | 1.85 | 0.00 | (0.00, 5.34) |
| Strong Memorial Hosp | 384 | 15 | 3.91 | 2.35 | 4.02 | (2.25, 6.63) |
| UHS-Wilson Med Ctr | 221 | 3 | 1.36 | 1.98 | 1.67 | (0.33, 4.87) |
| Univ. Hosp-Stony Brook | 369 | 6 | 1.63 | 2.40 | 1.64 | (0.60, 3.57) |
| Vassar Bros. Med Ctr | 214 | 9 | 4.21 | 2.28 | 4.47 | (2.04, 8.49) |
| Westchester Med Ctr | 357 | 14 | 3.92 | 2.34 | 4.07 | (2.22, 6.82) |
| STATEWIDE TOTAL | 12579 | 305 | 2.42 | | | |

*Risk-adjusted mortality rate significantly higher than statewide rate based on 95 percent confidence interval.

**Risk-adjusted mortality rate significantly lower than statewide rate based on 95 percent confidence interval.

2016-2018 HOSPITAL AND CARDIOLOGIST DATA FOR PCI

Table 5 provides the number of PCIs, number of PCI patients who died in the hospital or after discharge but within 30 days, OMR, EMR, RAMR and the 95 percent confidence interval for the RAMR for 2016-2018 for cardiologists in each of the 65 hospitals performing PCI during the time period and for each of the hospitals. Table 5 also contains the volume and RAMR for cardiologists and hospitals for non-emergency cases.

This information is presented for each cardiologist who (a) performed 200 or more PCIs during 2016-2018, and/or (b) performed at least one PCI in each of the years 2016-2018. The results for cardiologists not meeting the above criteria are grouped together and reported as “All Others” in the hospital in which the procedures were performed. Cardiologists who met criterion (a) or (b) above and performed procedures in more than one hospital are noted in the table and are listed in all hospitals in which they performed procedures during 2016-2018.

Also, cardiologists who met criterion (a) or (b) above and have performed PCI in two or more NYS hospitals are listed separately in Table 6.

For these cardiologists, the table presents the number of PCIs, the number of in-hospital/30-day deaths, OMR, EMR and RAMR with its 95 percent confidence interval for each hospital in which the cardiologist performed PCI, as well as the aggregate numbers (across all hospitals in which the cardiologist performed procedures). In addition, cardiologists and hospitals with RAMRs that are significantly lower or higher than the statewide mortality rate (as judged by a 95 percent confidence interval) are noted in Tables 5 and 6.

It should be noted that myocardial infarction (MI) less than 24 hours before the procedure and non-refractory cardiogenic shock are significant risk factors in the All Cases model. However, patients with these conditions are excluded from the non-emergency analysis. The outcomes models for the two groups can, therefore, yield substantially different RAMRs. It is important to compare providers' RAMRs to the statewide average mortality rate for the specific group of patients analyzed.

Table 5

Cardiologist In-Hospital / 30-Day Observed, Expected, and Risk-Adjusted Mortality Rates for PCI in New York State, 2016 - 2018 Discharges

| | Cases | Deaths | OMR | All Cases EMR | RAMR | 95% CI for RAMR | Non-emergency Cases | RAMR |
|-----------------------------------|---------------|-------------|-------------|-------------------|---------------|---------------------|------------------------|---------------|
| Statewide Total | 153201 | 1912 | | 1.25126287 | 0.83 | | | |
| Albany Medical Center | | | | | | | | |
| ##Delago A | 497 | 15 | 3.02 | 1.48 | 2.54 * | (1.42, 4.19) | 423 | 1.90 * |
| El-Hajjar M | 253 | 7 | 2.77 | 1.63 | 2.11 | (0.85, 4.36) | 174 | 2.11 |
| ##Esper D | 241 | 7 | 2.90 | 1.19 | 3.05 | (1.22, 6.29) | 202 | 2.05 |
| #Madiraju S | 4 | 0 | 0.00 | 7.83 | 0.00 | (0.00,14.62) | 3 | 0.00 |
| ##Maroney J | 418 | 11 | 2.63 | 1.15 | 2.86 * | (1.43, 5.12) | 333 | 2.00 |
| ##Nappi A | 424 | 17 | 4.01 | 1.70 | 2.95 * | (1.72, 4.73) | 325 | 1.68 |
| ##Papaleo R | 27 | 2 | 7.41 | 2.66 | 3.47 | (0.39,12.53) | 4 | 0.00 |
| ##Winston B | 87 | 1 | 1.15 | 1.72 | 0.83 | (0.01, 4.63) | 52 | 0.00 |
| All Others | 171 | 8 | 4.68 | 1.38 | 4.22 * | (1.82, 8.32) | 124 | 2.92 * |
| TOTAL | 2122 | 68 | 3.20 | 1.47 | 2.72 * | (2.11, 3.44) | 1640 | 1.93 * |
| Arnot-Ogden Medical Center | | | | | | | | |
| #Amin N | 55 | 0 | 0.00 | 1.59 | 0.00 | (0.00, 5.25) | 36 | 0.00 |
| Begg R | 158 | 4 | 2.53 | 2.25 | 1.40 | (0.38, 3.59) | 83 | 0.00 |
| ##Doling M | 7 | 0 | 0.00 | 0.85 | 0.00 | (0.00,77.36) | 7 | 0.00 |
| ##Gill K | 52 | 3 | 5.77 | 1.02 | 7.06 * | (1.42,20.63) | 37 | 4.86 |
| #Grella R | 156 | 2 | 1.28 | 1.25 | 1.28 | (0.14, 4.62) | 121 | 0.94 |
| Lakhani M | 281 | 2 | 0.71 | 1.61 | 0.55 | (0.06, 1.99) | 199 | 0.00 |
| ##Sharma A | 3 | 0 | 0.00 | 2.91 | 0.00 | (0.00,52.41) | . | . |
| ##Yarkoni A | 2 | 0 | 0.00 | 1.67 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| All Others | 155 | 3 | 1.94 | 1.59 | 1.52 | (0.31, 4.44) | 82 | 1.28 |
| TOTAL | 869 | 14 | 1.61 | 1.62 | 1.24 | (0.68, 2.08) | 566 | 0.70 |
| Bassett Medical Center | | | | | | | | |
| Kandala J | 212 | 3 | 1.42 | 1.42 | 1.24 | (0.25, 3.62) | 165 | 0.91 |
| Kreps E | 53 | 1 | 1.89 | 2.17 | 1.08 | (0.01, 6.03) | 30 | 2.42 |
| #McNulty P | 206 | 3 | 1.46 | 1.17 | 1.55 | (0.31, 4.54) | 152 | 2.46 |
| Menzies D | 852 | 8 | 0.94 | 1.21 | 0.97 | (0.42, 1.90) | 734 | 0.80 |
| ##Nappi A | 5 | 0 | 0.00 | 4.43 | 0.00 | (0.00,20.68) | . | . |
| Sastry A | 209 | 2 | 0.96 | 1.50 | 0.79 | (0.09, 2.87) | 157 | 0.00 |
| ##Sharma A | 12 | 1 | 8.33 | 3.08 | 3.38 | (0.04,18.81) | 7 | 0.00 |
| ##Yarkoni A | 14 | 1 | 7.14 | 1.60 | 5.59 | (0.07,31.09) | 9 | 0.00 |
| All Others | 44 | 0 | 0.00 | 1.75 | 0.00 | (0.00, 5.93) | 32 | 0.00 |
| TOTAL | 1607 | 19 | 1.18 | 1.35 | 1.10 | (0.66, 1.71) | 1286 | 0.88 |
| Bellevue Hospital Center | | | | | | | | |
| #Attubato M | 7 | 0 | 0.00 | 3.11 | 0.00 | (0.00,21.05) | 1 | 0.00 |
| #Babaev A | 8 | 1 | 12.50 | 5.69 | 2.74 | (0.04,15.25) | 1 | 0.00 |
| #Bangalore S | 472 | 14 | 2.97 | 2.26 | 1.64 | (0.90, 2.75) | 405 | 1.08 |
| #Coppola J | 173 | 4 | 2.31 | 1.59 | 1.82 | (0.49, 4.66) | 141 | 1.01 |
| #Hegde S | 60 | 1 | 1.67 | 1.05 | 1.99 | (0.03,11.06) | 59 | 1.40 |
| #Iqbal S | 265 | 4 | 1.51 | 1.77 | 1.07 | (0.29, 2.73) | 207 | 1.38 |
| #Jilaihawi H | 3 | 0 | 0.00 | 4.41 | 0.00 | (0.00,34.57) | 1 | 0.00 |
| Kurian D | 41 | 0 | 0.00 | 0.28 | 0.00 | (0.00,40.07) | 41 | 0.00 |
| #Razzouk L | 15 | 1 | 6.67 | 3.01 | 2.77 | (0.04,15.39) | 2 | 0.00 |
| #Serrano-Gomez C | 22 | 0 | 0.00 | 3.88 | 0.00 | (0.00, 5.37) | 5 | 0.00 |
| #Shah B | 126 | 3 | 2.38 | 2.03 | 1.47 | (0.29, 4.29) | 96 | 0.59 |
| #Slater J | 3 | 0 | 0.00 | 1.62 | 0.00 | (0.00,94.36) | . | . |
| #Staniloae C | 1 | 1 | 100.00 | 22.26 | 5.61 | (0.07,31.19) | . | . |
| #Vales L | 8 | 1 | 12.50 | 15.37 | 1.02 | (0.01, 5.65) | 2 | 0.00 |
| All Others | 36 | 1 | 2.78 | 1.76 | 1.97 | (0.03,10.95) | 9 | 0.00 |
| TOTAL | 1240 | 31 | 2.50 | 2.07 | 1.51 | (1.03, 2.14) | 970 | 1.03 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---|-------------|-----------|-------------|-------------|-------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| BronxCare Health System | | | | | | | | |
| ##Amsalem Y | 16 | 0 | 0.00 | 1.37 | 0.00 | (0.00,20.94) | 12 | 0.00 |
| ##Celaj S | 49 | 1 | 2.04 | 2.37 | 1.08 | (0.01, 5.99) | 7 | 19.18 |
| #Krim N | 514 | 3 | 0.58 | 1.14 | 0.64 | (0.13, 1.86) | 347 | 0.34 |
| #Tamis-Holland J | 27 | 0 | 0.00 | 2.08 | 0.00 | (0.00, 8.13) | 14 | 0.00 |
| All Others | 4 | 0 | 0.00 | 0.57 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| TOTAL | 610 | 4 | 0.66 | 1.28 | 0.64 | (0.17, 1.63) | 382 | 0.59 |
| Brookdale Univ. Hospital Medical Ctr | | | | | | | | |
| #Castillo R | 296 | 8 | 2.70 | 2.04 | 1.65 | (0.71, 3.26) | 220 | 0.88 |
| #Chadow H | 203 | 2 | 0.99 | 2.33 | 0.53 | (0.06, 1.91) | 144 | 0.00 |
| #Khan A | 117 | 2 | 1.71 | 1.92 | 1.11 | (0.13, 4.02) | 71 | 0.71 |
| All Others | 4 | 1 | 25.00 | 9.09 | 3.43 | (0.04,19.09) | 1 | 0.00 |
| TOTAL | 620 | 13 | 2.10 | 2.16 | 1.21 | (0.65, 2.08) | 436 | 0.58 |
| Brooklyn Hospital Center - Downtown | | | | | | | | |
| #Garyali S | 20 | 0 | 0.00 | 1.16 | 0.00 | (0.00,19.78) | 13 | 0.00 |
| ##Jones M | 1 | 0 | 0.00 | 1.98 | 0.00 | (0.00,100.0) | . | . |
| ##Kesanakurthy S | 225 | 1 | 0.44 | 1.02 | 0.54 | (0.01, 3.01) | 181 | 0.00 |
| All Others | 3 | 0 | 0.00 | 1.16 | 0.00 | (0.00,100.0) | . | . |
| TOTAL | 249 | 1 | 0.40 | 1.04 | 0.48 | (0.01, 2.68) | 194 | 0.00 |
| Buffalo General Medical Center | | | | | | | | |
| ##Conley J | 487 | 5 | 1.03 | 0.91 | 1.41 | (0.45, 3.29) | 377 | 0.00 |
| #Dashkoff N | 348 | 4 | 1.15 | 1.16 | 1.23 | (0.33, 3.16) | 267 | 0.48 |
| ##Farhi E | 730 | 9 | 1.23 | 1.24 | 1.24 | (0.57, 2.36) | 520 | 0.89 |
| #Iyer V | 674 | 10 | 1.48 | 1.55 | 1.19 | (0.57, 2.19) | 502 | 0.52 |
| ##Morris W | 726 | 9 | 1.24 | 1.02 | 1.51 | (0.69, 2.87) | 607 | 0.67 |
| ##Phadke K | 622 | 7 | 1.13 | 1.45 | 0.97 | (0.39, 2.00) | 426 | 1.15 |
| ##Sullivan P | 153 | 2 | 1.31 | 2.08 | 0.78 | (0.09, 2.83) | 52 | 0.00 |
| Zlotnick D | 573 | 9 | 1.57 | 1.53 | 1.28 | (0.59, 2.43) | 333 | 0.56 |
| All Others | 84 | 2 | 2.38 | 1.34 | 2.22 | (0.25, 8.02) | 54 | 1.50 |
| TOTAL | 4397 | 57 | 1.30 | 1.31 | 1.24 | (0.94, 1.60) | 3138 | 0.68 |
| Cayuga Medical Center | | | | | | | | |
| ##Ong L S | 2 | 0 | 0.00 | 0.96 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Sodums M | 205 | 5 | 2.44 | 1.71 | 1.78 | (0.57, 4.16) | 99 | 1.11 |
| Stefek P | 195 | 6 | 3.08 | 1.64 | 2.35 | (0.86, 5.11) | 95 | 1.31 |
| TOTAL | 402 | 11 | 2.74 | 1.67 | 2.05 | (1.02, 3.66) | 196 | 1.18 |
| Crouse Hospital | | | | | | | | |
| Battaglia J | 530 | 11 | 2.08 | 1.21 | 2.14 | (1.07, 3.83) | 415 | 1.07 |
| George A | 535 | 12 | 2.24 | 1.63 | 1.72 | (0.89, 3.01) | 406 | 1.44 |
| All Others | 118 | 1 | 0.85 | 1.96 | 0.54 | (0.01, 3.00) | 91 | 0.00 |
| TOTAL | 1183 | 24 | 2.03 | 1.47 | 1.72 | (1.10, 2.56) | 912 | 1.12 |
| Ellis Hospital | | | | | | | | |
| Cospito P | 363 | 10 | 2.75 | 1.07 | 3.21* | (1.54, 5.91) | 245 | 2.60* |
| #Madiraju S | 453 | 6 | 1.32 | 1.93 | 0.86 | (0.31, 1.86) | 297 | 0.45 |
| Parkes R | 477 | 4 | 0.84 | 1.30 | 0.81 | (0.22, 2.06) | 317 | 0.00 |
| Weitz S | 306 | 8 | 2.61 | 1.49 | 2.19 | (0.94, 4.32) | 181 | 0.57 |
| All Others | 31 | 2 | 6.45 | 2.00 | 4.03 | (0.45,14.55) | 12 | 3.89 |
| TOTAL | 1630 | 30 | 1.84 | 1.47 | 1.56 | (1.05, 2.23) | 1052 | 0.80 |
| Elmhurst Hospital Center | | | | | | | | |
| #Barman N | 38 | 0 | 0.00 | 3.04 | 0.00 | (0.00, 3.96) | 2 | 0.00 |
| Kamran M | 717 | 6 | 0.84 | 1.13 | 0.92 | (0.34, 2.01) | 532 | 0.00 |
| ##Pyo R | 30 | 1 | 3.33 | 2.31 | 1.80 | (0.02,10.02) | 2 | 0.00 |
| ##Wiley J | 42 | 2 | 4.76 | 3.22 | 1.85 | (0.21, 6.66) | 2 | 0.00 |
| Yatskar L | 435 | 4 | 0.92 | 1.03 | 1.12 | (0.30, 2.86) | 300 | 0.60 |
| TOTAL | 1262 | 13 | 1.03 | 1.25 | 1.03 | (0.55, 1.76) | 838 | 0.23 |

Table 5, *continued*

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|-------------|-----------|-------------|-------------|-------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Garnet Health Medical Center | | | | | | | | |
| #Cuomo L | 213 | 1 | 0.47 | 1.62 | 0.36 | (0.00, 2.01) | 122 | 0.72 |
| ##Gotsis W | 747 | 10 | 1.34 | 1.08 | 1.55 | (0.74, 2.85) | 593 | 1.48 |
| ##Green P | 1 | 0 | 0.00 | 5.29 | 0.00 | (0.00,86.51) | 1 | 0.00 |
| ##Kalapatapu K | 322 | 2 | 0.62 | 1.23 | 0.63 | (0.07, 2.28) | 314 | 0.22 |
| #Motivala A | 81 | 1 | 1.23 | 1.52 | 1.01 | (0.01, 5.64) | 47 | 0.00 |
| ##Silverman G | 424 | 2 | 0.47 | 1.06 | 0.56 | (0.06, 2.01) | 273 | 0.00 |
| All Others | 136 | 2 | 1.47 | 0.97 | 1.89 | (0.21, 6.83) | 106 | 1.30 |
| TOTAL | 1924 | 18 | 0.94 | 1.17 | 1.00 | (0.59, 1.57) | 1456 | 0.74 |
| Glens Falls Hospital | | | | | | | | |
| Bashir I | 357 | 5 | 1.40 | 1.46 | 1.20 | (0.39, 2.79) | 224 | 1.45 |
| Hogan R | 251 | 3 | 1.20 | 1.47 | 1.02 | (0.20, 2.97) | 174 | 1.90 |
| #Kaple R | 3 | 0 | 0.00 | 1.44 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Papaleo R | 25 | 0 | 0.00 | 2.15 | 0.00 | (0.00, 8.50) | . | . |
| TOTAL | 636 | 8 | 1.26 | 1.49 | 1.05 | (0.45, 2.08) | 399 | 1.64 |
| Good Samaritan Hosp Med Ctr- West Islip | | | | | | | | |
| ##Caselnova R | 477 | 3 | 0.63 | 1.15 | 0.68 | (0.14, 2.00) | 443 | 0.60 |
| ##Chengot T | 184 | 3 | 1.63 | 1.30 | 1.57 | (0.31, 4.58) | 154 | 1.50 |
| ##Deutsch E | 662 | 5 | 0.76 | 0.58 | 1.63 | (0.52, 3.80) | 629 | 1.14 |
| ##Franco J | 2 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Gandotra P | 66 | 1 | 1.52 | 1.14 | 1.66 | (0.02, 9.25) | 65 | 1.14 |
| ##Happes M | 192 | 1 | 0.52 | 0.81 | 0.81 | (0.01, 4.49) | 180 | 0.63 |
| ##Hormozi S | 451 | 4 | 0.89 | 0.73 | 1.52 | (0.41, 3.88) | 416 | 1.37 |
| #Lee P J | 826 | 8 | 0.97 | 0.54 | 2.22 | (0.96, 4.38) | 790 | 1.88 |
| ##Patel R B | 48 | 1 | 2.08 | 1.83 | 1.42 | (0.02, 7.92) | 21 | 0.00 |
| #Reich D | 555 | 4 | 0.72 | 0.64 | 1.40 | (0.38, 3.59) | 524 | 1.02 |
| ##Selim S | 7 | 0 | 0.00 | 1.08 | 0.00 | (0.00,60.80) | 7 | 0.00 |
| All Others | 5 | 0 | 0.00 | 0.74 | 0.00 | (0.00,100.0) | 5 | 0.00 |
| TOTAL | 3475 | 30 | 0.86 | 0.76 | 1.42 | (0.96, 2.03) | 3236 | 1.15 |
| Good Samaritan Hospital of Suffern | | | | | | | | |
| Agarwal A | 187 | 3 | 1.60 | 1.33 | 1.50 | (0.30, 4.39) | 129 | 1.24 |
| ##Gotsis W | 1 | 0 | 0.00 | 1.42 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Hirsch C | 294 | 6 | 2.04 | 1.68 | 1.52 | (0.55, 3.30) | 241 | 0.73 |
| Innerfield M | 170 | 3 | 1.76 | 2.20 | 1.00 | (0.20, 2.92) | 105 | 0.92 |
| Kovar L | 347 | 4 | 1.15 | 1.37 | 1.05 | (0.28, 2.69) | 286 | 0.27 |
| Sahai A | 144 | 1 | 0.69 | 1.51 | 0.58 | (0.01, 3.20) | 90 | 0.00 |
| Shih A C | 173 | 4 | 2.31 | 1.63 | 1.78 | (0.48, 4.55) | 122 | 2.04 |
| Singh R | 224 | 0 | 0.00 | 1.88 | 0.00 ** | (0.00, 1.09) | 147 | 0.00 |
| All Others | 45 | 0 | 0.00 | 1.27 | 0.00 | (0.00, 8.03) | 38 | 0.00 |
| TOTAL | 1585 | 21 | 1.32 | 1.62 | 1.02 | (0.63, 1.56) | 1159 | 0.55 |
| Huntington Hospital | | | | | | | | |
| ##Bagga R | 696 | 8 | 1.15 | 0.91 | 1.57 | (0.68, 3.10) | 609 | 1.54 |
| ##Ong L Y | 108 | 0 | 0.00 | 0.74 | 0.00 | (0.00, 5.71) | 99 | 0.00 |
| ##Patcha R | 205 | 3 | 1.46 | 0.89 | 2.04 | (0.41, 5.97) | 162 | 0.91 |
| #Polena S | 379 | 7 | 1.85 | 1.10 | 2.09 | (0.84, 4.31) | 312 | 1.19 |
| #Strizik B | 284 | 3 | 1.06 | 1.43 | 0.92 | (0.19, 2.70) | 179 | 1.41 |
| TOTAL | 1672 | 21 | 1.26 | 1.03 | 1.52 | (0.94, 2.33) | 1361 | 1.25 |
| Jamaica Hospital Medical Center | | | | | | | | |
| ##Coven D | 64 | 1 | 1.56 | 1.41 | 1.39 | (0.02, 7.72) | 26 | 3.74 |
| ##Gupta R | 7 | 0 | 0.00 | 1.60 | 0.00 | (0.00,40.81) | 7 | 0.00 |
| #Jain S | 229 | 3 | 1.31 | 1.41 | 1.16 | (0.23, 3.40) | 116 | 2.35 |
| #Lasic Z | 185 | 2 | 1.08 | 1.38 | 0.98 | (0.11, 3.54) | 85 | 0.00 |
| #Mangla A | 194 | 0 | 0.00 | 2.36 | 0.00 ** | (0.00, 1.00) | 112 | 0.00 |
| #Raza J | 73 | 1 | 1.37 | 1.70 | 1.00 | (0.01, 5.58) | 34 | 0.00 |
| #Suleman J | 1 | 0 | 0.00 | 0.28 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| All Others | 119 | 2 | 1.68 | 1.52 | 1.38 | (0.16, 4.99) | 51 | 0.00 |
| TOTAL | 872 | 9 | 1.03 | 1.65 | 0.78 | (0.36, 1.48) | 432 | 0.77 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|-------------|-----------|-------------|-------------|----------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Lenox Hill Hospital | | | | | | | | |
| ##Coven D | 63 | 0 | 0.00 | 1.22 | 0.00 | (0.00, 5.96) | 48 | 0.00 |
| ##Dominguez A | 154 | 0 | 0.00 | 0.40 | 0.00 | (0.00, 7.36) | 154 | 0.00 |
| ##Fernaine G | 3 | 0 | 0.00 | 0.09 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| #Gujja K | 3 | 0 | 0.00 | 4.04 | 0.00 | (0.00,37.73) | 3 | 0.00 |
| Hassid B | 482 | 6 | 1.24 | 1.15 | 1.35 | (0.49, 2.93) | 428 | 1.53 |
| #Iyer S | 27 | 0 | 0.00 | 0.41 | 0.00 | (0.00,41.30) | 27 | 0.00 |
| #Jain S | 199 | 0 | 0.00 | 0.80 | 0.00 | (0.00, 2.86) | 196 | 0.00 |
| ##Kesanakurthy S | 2 | 0 | 0.00 | 0.31 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| ##Khurana D | 86 | 0 | 0.00 | 2.00 | 0.00 | (0.00, 2.66) | 62 | 0.00 |
| #Kim M | 1187 | 5 | 0.42 | 0.81 | 0.65 | (0.21, 1.51) | 1109 | 0.37 |
| #Kukar A | 178 | 2 | 1.12 | 1.08 | 1.30 | (0.15, 4.70) | 153 | 0.00 |
| #Lasic Z | 193 | 0 | 0.00 | 0.58 | 0.00 | (0.00, 4.11) | 188 | 0.00 |
| #Mangla A | 175 | 1 | 0.57 | 0.43 | 1.65 | (0.02, 9.19) | 174 | 1.47 |
| #Mignatti A | 41 | 0 | 0.00 | 3.35 | 0.00 | (0.00, 3.33) | 28 | 0.00 |
| #Mousa T | 53 | 0 | 0.00 | 0.17 | 0.00 | (0.00,49.50) | 53 | 0.00 |
| Punukollu G | 358 | 3 | 0.84 | 0.86 | 1.21 | (0.24, 3.55) | 351 | 0.60 |
| #Raza J | 201 | 0 | 0.00 | 0.51 | 0.00 | (0.00, 4.43) | 198 | 0.00 |
| Reimers C | 624 | 2 | 0.32 | 0.74 | 0.54 | (0.06, 1.95) | 571 | 0.00 |
| #Shah Ankur | 232 | 3 | 1.29 | 0.42 | 3.82 | (0.77,11.17) | 231 | 2.60 |
| Singh V | 827 | 5 | 0.60 | 0.51 | 1.48 | (0.48, 3.46) | 798 | 0.94 |
| ##Stathopoulos I | 45 | 0 | 0.00 | 0.65 | 0.00 | (0.00,15.70) | 45 | 0.00 |
| ##Weinberg M | 23 | 0 | 0.00 | 0.75 | 0.00 | (0.00,26.41) | 21 | 0.00 |
| Zaric M | 7 | 0 | 0.00 | 0.30 | 0.00 | (0.00,100.0) | 7 | 0.00 |
| All Others | 93 | 1 | 1.08 | 0.73 | 1.84 | (0.02,10.25) | 89 | 1.32 |
| TOTAL | 5256 | 28 | 0.53 | 0.77 | 0.86 ** | (0.57, 1.25) | 4939 | 0.60 |
| Long Island Community Hospital | | | | | | | | |
| ##Bench T | 81 | 0 | 0.00 | 1.05 | 0.00 | (0.00, 5.39) | 61 | 0.00 |
| ##Franco J | 79 | 1 | 1.27 | 0.37 | 4.22 | (0.06,23.49) | 71 | 0.00 |
| #Gambino A | 22 | 0 | 0.00 | 0.58 | 0.00 | (0.00,36.07) | 20 | 0.00 |
| ##Gill K | 61 | 0 | 0.00 | 0.83 | 0.00 | (0.00, 9.08) | 53 | 0.00 |
| ##Joseph S | 81 | 1 | 1.23 | 0.78 | 1.99 | (0.03,11.06) | 71 | 0.00 |
| #Khan W | 670 | 11 | 1.64 | 1.09 | 1.89 | (0.94, 3.38) | 499 | 2.30 * |
| #Kruger A | 3 | 0 | 0.00 | 3.84 | 0.00 | (0.00,39.69) | 3 | 0.00 |
| #Pulipati B | 156 | 1 | 0.64 | 1.51 | 0.53 | (0.01, 2.94) | 105 | 0.00 |
| #Schwartz R | 26 | 0 | 0.00 | 0.73 | 0.00 | (0.00,24.28) | 24 | 0.00 |
| All Others | 57 | 1 | 1.75 | 1.17 | 1.87 | (0.02,10.38) | 33 | 0.00 |
| TOTAL | 1236 | 15 | 1.21 | 1.05 | 1.44 | (0.80, 2.37) | 940 | 1.19 |
| Long Island Jewish Medical Center | | | | | | | | |
| #Boutis L | 26 | 0 | 0.00 | 2.36 | 0.00 | (0.00, 7.45) | 6 | 0.00 |
| #Dhama B | 73 | 0 | 0.00 | 0.65 | 0.00 | (0.00, 9.59) | 68 | 0.00 |
| ##Fuschetto D | 74 | 0 | 0.00 | 0.58 | 0.00 | (0.00,10.64) | 72 | 0.00 |
| ##Fuschetto O | 24 | 0 | 0.00 | 0.97 | 0.00 | (0.00,19.73) | 23 | 0.00 |
| ##Gupta R | 41 | 1 | 2.44 | 0.42 | 7.27 | (0.10,40.44) | 41 | 4.48 |
| #Husain S I | 64 | 1 | 1.56 | 1.15 | 1.70 | (0.02, 9.43) | 62 | 1.19 |
| #Jauhar R | 23 | 0 | 0.00 | 2.20 | 0.00 | (0.00, 9.03) | 4 | 0.00 |
| #Kaplan B | 19 | 0 | 0.00 | 1.92 | 0.00 | (0.00,12.56) | 4 | 0.00 |
| ##Katz S | 8 | 0 | 0.00 | 6.68 | 0.00 | (0.00, 8.56) | . | . |
| ##Khurana D | 8 | 0 | 0.00 | 0.65 | 0.00 | (0.00,88.13) | 7 | 0.00 |
| ##Koss J | 168 | 1 | 0.60 | 0.61 | 1.22 | (0.02, 6.81) | 156 | 1.07 |
| #Lee A | 578 | 5 | 0.87 | 1.05 | 1.03 | (0.33, 2.40) | 471 | 0.83 |
| #Marchant D | 13 | 0 | 0.00 | 3.01 | 0.00 | (0.00,11.70) | 1 | 0.00 |
| #Meraj P | 16 | 0 | 0.00 | 2.48 | 0.00 | (0.00,11.54) | 6 | 0.00 |
| ##Poumpouridis K | 1 | 0 | 0.00 | 0.21 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Rutkin B | 13 | 0 | 0.00 | 2.43 | 0.00 | (0.00,14.49) | 2 | 0.00 |
| ##Selim S | 32 | 0 | 0.00 | 0.59 | 0.00 | (0.00,24.35) | 26 | 0.00 |
| #Singh A | 711 | 4 | 0.56 | 0.92 | 0.76 | (0.21, 1.96) | 589 | 0.41 |
| #Srinivas G | 121 | 1 | 0.83 | 0.59 | 1.73 | (0.02, 9.65) | 119 | 1.18 |
| ##Weinberg M | 15 | 0 | 0.00 | 1.78 | 0.00 | (0.00,17.13) | 1 | 0.00 |
| ##Yadav S | 2 | 0 | 0.00 | 0.16 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| All Others | 10 | 0 | 0.00 | 1.21 | 0.00 | (0.00,37.73) | 8 | 0.00 |
| TOTAL | 2040 | 13 | 0.64 | 0.99 | 0.80 | (0.43, 1.38) | 1669 | 0.70 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---|-------------|-----------|-------------|-------------|----------------|---------------------|---------------|----------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Maimonides Medical Center | | | | | | | | |
| Ayzenberg S | 770 | 12 | 1.56 | 2.40 | 0.81 | (0.42, 1.42) | 616 | 0.48 |
| Borgen E | 568 | 3 | 0.53 | 2.08 | 0.32 ** | (0.06, 0.93) | 415 | 0.14 ** |
| #Chen O | 37 | 0 | 0.00 | 0.40 | 0.00 | (0.00,30.64) | 35 | 0.00 |
| Frankel R | 272 | 1 | 0.37 | 1.82 | 0.25 | (0.00, 1.40) | 234 | 0.31 |
| Friedman M | 260 | 6 | 2.31 | 2.82 | 1.02 | (0.37, 2.22) | 170 | 0.65 |
| ##Fuschetto D | 1 | 0 | 0.00 | 1.31 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Fuschetto O | 2 | 0 | 0.00 | 0.33 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| ##Gala B | 1 | 0 | 0.00 | 3.84 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Garyali S | 12 | 0 | 0.00 | 0.18 | 0.00 | (0.00,100.0) | 12 | 0.00 |
| ##Jones M | 37 | 0 | 0.00 | 0.85 | 0.00 | (0.00,14.51) | 37 | 0.00 |
| Malik B | 988 | 18 | 1.82 | 1.94 | 1.17 | (0.70, 1.85) | 851 | 0.95 |
| #Shaknovich A | 110 | 0 | 0.00 | 0.77 | 0.00 | (0.00, 5.40) | 110 | 0.00 |
| Shani J | 234 | 0 | 0.00 | 0.93 | 0.00 | (0.00, 2.11) | 220 | 0.00 |
| Topi B | 608 | 8 | 1.32 | 2.27 | 0.72 | (0.31, 1.42) | 442 | 0.33 |
| All Others | 5 | 0 | 0.00 | 0.29 | 0.00 | (0.00,100.0) | 5 | 0.00 |
| TOTAL | 3905 | 48 | 1.23 | 2.03 | 0.76 ** | (0.56, 1.00) | 3151 | 0.50 ** |
| Mercy Hospital of Buffalo | | | | | | | | |
| #Chaudhry E | 77 | 2 | 2.60 | 1.30 | 2.50 | (0.28, 9.02) | 54 | 3.39 |
| ##Conley J | 154 | 1 | 0.65 | 0.52 | 1.55 | (0.02, 8.62) | 151 | 1.10 |
| Deshmukh P | 103 | 3 | 2.91 | 1.05 | 3.48 | (0.70,10.16) | 88 | 2.84 |
| Emerson R | 198 | 4 | 2.02 | 1.29 | 1.95 | (0.52, 4.99) | 102 | 2.37 |
| #Gelormini J | 683 | 10 | 1.46 | 1.26 | 1.45 | (0.70, 2.67) | 533 | 1.13 |
| #Haq N | 536 | 4 | 0.75 | 1.33 | 0.70 | (0.19, 1.79) | 396 | 0.00 |
| ##Masud A | 292 | 9 | 3.08 | 1.67 | 2.30 | (1.05, 4.38) | 208 | 1.45 |
| Masud ARZ | 181 | 2 | 1.10 | 0.94 | 1.46 | (0.16, 5.28) | 164 | 1.05 |
| #Meltser H | 863 | 17 | 1.97 | 1.12 | 2.20 * | (1.28, 3.53) | 671 | 1.61 |
| ##Morris W | 4 | 0 | 0.00 | 0.22 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| ##Phadke K | 4 | 0 | 0.00 | 0.19 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| ##Sullivan P | 22 | 0 | 0.00 | 0.72 | 0.00 | (0.00,29.01) | 19 | 0.00 |
| All Others | 216 | 5 | 2.31 | 1.76 | 1.64 | (0.53, 3.84) | 146 | 1.64 |
| TOTAL | 3333 | 57 | 1.71 | 1.24 | 1.72 * | (1.30, 2.23) | 2540 | 1.27 * |
| Montefiore Medical Center - Moses Div. | | | | | | | | |
| ##Amsalem Y | 301 | 9 | 2.99 | 1.59 | 2.35 | (1.07, 4.46) | 233 | 1.48 |
| ##Bliagos D | 174 | 0 | 0.00 | 1.02 | 0.00 | (0.00, 2.57) | 164 | 0.00 |
| ##Bortnick A | 17 | 1 | 5.88 | 1.72 | 4.28 | (0.06,23.80) | 15 | 0.00 |
| ##Celaj S | 324 | 1 | 0.31 | 1.19 | 0.32 | (0.00, 1.80) | 277 | 0.31 |
| ##Charney R | 5 | 0 | 0.00 | 0.38 | 0.00 | (0.00,100.0) | 5 | 0.00 |
| #Chavarria N | 152 | 1 | 0.66 | 1.08 | 0.76 | (0.01, 4.25) | 119 | 1.04 |
| ##Gotsis W | 150 | 0 | 0.00 | 1.24 | 0.00 | (0.00, 2.45) | 140 | 0.00 |
| ##Greenberg M | 299 | 0 | 0.00 | 0.59 | 0.00 | (0.00, 2.58) | 288 | 0.00 |
| ##Johnson M | 443 | 4 | 0.90 | 1.25 | 0.90 | (0.24, 2.31) | 405 | 0.25 |
| #Kakkar A | 206 | 2 | 0.97 | 1.30 | 0.93 | (0.10, 3.37) | 189 | 0.00 |
| ##Pyo R | 440 | 3 | 0.68 | 1.19 | 0.71 | (0.14, 2.08) | 382 | 0.69 |
| Sehhat K | 185 | 0 | 0.00 | 0.40 | 0.00 | (0.00, 6.25) | 184 | 0.00 |
| ##Shaqra H | 54 | 1 | 1.85 | 2.47 | 0.94 | (0.01, 5.21) | 13 | 0.00 |
| ##Weisz G | 146 | 0 | 0.00 | 0.92 | 0.00 | (0.00, 3.41) | 129 | 0.00 |
| ##Wiley J | 198 | 7 | 3.54 | 1.32 | 3.33 * | (1.33, 6.87) | 156 | 2.06 |
| All Others | 80 | 2 | 2.50 | 1.36 | 2.30 | (0.26, 8.31) | 69 | 0.00 |
| TOTAL | 3174 | 31 | 0.98 | 1.15 | 1.06 | (0.72, 1.50) | 2768 | 0.50 |
| Montefiore Medical Center - Weiler Hosp. | | | | | | | | |
| ##Bortnick A | 326 | 5 | 1.53 | 1.69 | 1.13 | (0.37, 2.65) | 253 | 1.00 |
| ##Charney R | 104 | 3 | 2.88 | 1.34 | 2.69 | (0.54, 7.87) | 104 | 1.81 |
| ##Gotsis W | 2 | 1 | 50.00 | 0.95 | 65.93 | (0.86,100.0) | 2 | 45.71 |
| ##Greenberg M | 41 | 0 | 0.00 | 0.46 | 0.00 | (0.00,24.52) | 38 | 0.00 |
| ##Johnson M | 1 | 0 | 0.00 | 0.17 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Kakkar A | 115 | 2 | 1.74 | 1.26 | 1.73 | (0.19, 6.24) | 98 | 1.78 |
| #Menegus M | 498 | 6 | 1.20 | 1.25 | 1.21 | (0.44, 2.63) | 399 | 0.98 |
| ##Messinger D | 19 | 0 | 0.00 | 6.00 | 0.00 | (0.00, 4.02) | 18 | 0.00 |
| #Monrad E | 317 | 1 | 0.32 | 1.59 | 0.25 | (0.00, 1.38) | 230 | 0.00 |
| ##Pyo R | 2 | 0 | 0.00 | 14.25 | 0.00 | (0.00,16.06) | 2 | 0.00 |
| ##Shaqra H | 136 | 4 | 2.94 | 1.65 | 2.22 | (0.60, 5.68) | 109 | 1.11 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|--------------|-----------|-------------|-------------|----------------|---------------------|---------------|----------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Montefiore Medical Center - Weiler Hosp., continued | | | | | | | | |
| Slovut D | 165 | 3 | 1.82 | 1.53 | 1.49 | (0.30, 4.34) | 96 | 0.91 |
| Sokol S | 258 | 1 | 0.39 | 1.55 | 0.31 | (0.00, 1.73) | 204 | 0.47 |
| ##Weisz G | 59 | 2 | 3.39 | 1.27 | 3.33 | (0.37,12.03) | 53 | 2.56 |
| ##Wiley J | 6 | 0 | 0.00 | 0.30 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| All Others | 68 | 0 | 0.00 | 1.05 | 0.00 | (0.00, 6.43) | 55 | 0.00 |
| TOTAL | 2117 | 28 | 1.32 | 1.49 | 1.11 | (0.74, 1.60) | 1668 | 0.90 |
| Mount Sinai Beth Israel | | | | | | | | |
| #Aslam A F | 130 | 3 | 2.31 | 1.06 | 2.71 | (0.54, 7.91) | 110 | 0.00 |
| #Aslam A K | 229 | 0 | 0.00 | 0.19 | 0.00 | (0.00,10.49) | 229 | 0.00 |
| #Fox J | 1161 | 13 | 1.12 | 1.22 | 1.15 | (0.61, 1.96) | 1073 | 0.73 |
| #Gowda R | 534 | 3 | 0.56 | 1.36 | 0.51 | (0.10, 1.50) | 454 | 0.46 |
| Huang Y | 397 | 0 | 0.00 | 0.43 | 0.00 | (0.00, 2.66) | 392 | 0.00 |
| #Kanei Y | 480 | 8 | 1.67 | 1.95 | 1.07 | (0.46, 2.10) | 336 | 0.00 |
| #Kwan T | 496 | 1 | 0.20 | 0.64 | 0.39 | (0.01, 2.19) | 492 | 0.29 |
| #Liou M | 321 | 0 | 0.00 | 0.41 | 0.00 | (0.00, 3.51) | 318 | 0.00 |
| ##Puma J | 145 | 1 | 0.69 | 0.73 | 1.17 | (0.02, 6.52) | 144 | 0.00 |
| ##Ratcliffe J | 85 | 0 | 0.00 | 0.58 | 0.00 | (0.00, 9.25) | 84 | 0.00 |
| #Rosero H | 441 | 3 | 0.68 | 0.92 | 0.92 | (0.19, 2.69) | 385 | 0.63 |
| Wilentz J | 31 | 0 | 0.00 | 0.30 | 0.00 | (0.00,48.61) | 31 | 0.00 |
| All Others | 182 | 0 | 0.00 | 0.49 | 0.00 | (0.00, 5.11) | 182 | 0.00 |
| TOTAL | 4632 | 32 | 0.69 | 0.98 | 0.88 ** | (0.60, 1.24) | 4230 | 0.40 ** |
| Mount Sinai Hospital | | | | | | | | |
| Baber U | 242 | 4 | 1.65 | 1.67 | 1.24 | (0.33, 3.17) | 199 | 0.68 |
| Bander J | 328 | 5 | 1.52 | 1.45 | 1.32 | (0.42, 3.07) | 292 | 0.64 |
| #Barman N | 237 | 5 | 2.11 | 1.69 | 1.56 | (0.50, 3.64) | 206 | 1.48 |
| ##Bliagos D | 41 | 0 | 0.00 | 1.54 | 0.00 | (0.00, 7.26) | 41 | 0.00 |
| Dangas G | 445 | 8 | 1.80 | 1.60 | 1.40 | (0.60, 2.76) | 401 | 0.94 |
| ##Dominguez A | 52 | 0 | 0.00 | 0.55 | 0.00 | (0.00,16.05) | 52 | 0.00 |
| ##Duvvuri S | 18 | 0 | 0.00 | 0.26 | 0.00 | (0.00,96.87) | 18 | 0.00 |
| #Gujja K | 215 | 2 | 0.93 | 0.80 | 1.45 | (0.16, 5.24) | 214 | 0.97 |
| #Hameedi A | 76 | 0 | 0.00 | 0.24 | 0.00 | (0.00,25.38) | 76 | 0.00 |
| Hasan C | 142 | 1 | 0.70 | 0.24 | 3.59 | (0.05,19.96) | 142 | 2.34 |
| #Jayasundera T | 3 | 0 | 0.00 | 0.59 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| ##Jones M | 1 | 0 | 0.00 | 0.54 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Kapur V | 111 | 1 | 0.90 | 1.66 | 0.68 | (0.01, 3.77) | 85 | 0.70 |
| ##Kesanakurthy S | 432 | 3 | 0.69 | 0.69 | 1.25 | (0.25, 3.66) | 415 | 1.04 |
| Kini A | 2684 | 9 | 0.34 | 0.70 | 0.60 ** | (0.27, 1.14) | 2598 | 0.37 ** |
| Kovacic J | 80 | 0 | 0.00 | 3.20 | 0.00 | (0.00, 1.79) | 58 | 0.00 |
| Krishnan P | 176 | 2 | 1.14 | 0.75 | 1.90 | (0.21, 6.85) | 171 | 0.71 |
| #Kukar A | 57 | 0 | 0.00 | 0.48 | 0.00 | (0.00,16.75) | 56 | 0.00 |
| ##Lee P C | 1 | 0 | 0.00 | 0.20 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Moreno P | 37 | 0 | 0.00 | 0.90 | 0.00 | (0.00,13.75) | 37 | 0.00 |
| Nguyen T | 18 | 0 | 0.00 | 0.77 | 0.00 | (0.00,32.87) | 18 | 0.00 |
| #Palkhiwala S | 248 | 0 | 0.00 | 0.33 | 0.00 | (0.00, 5.61) | 248 | 0.00 |
| #Patel V | 37 | 0 | 0.00 | 0.73 | 0.00 | (0.00,16.87) | 37 | 0.00 |
| #Sharma S | 3586 | 26 | 0.73 | 0.92 | 0.98 | (0.64, 1.44) | 3571 | 0.66 |
| #Suleman J | 410 | 2 | 0.49 | 0.36 | 1.70 | (0.19, 6.12) | 408 | 1.21 |
| Sweeny J | 328 | 5 | 1.52 | 0.95 | 1.99 | (0.64, 4.65) | 300 | 1.67 |
| #Tomey M | 3 | 0 | 0.00 | 0.22 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| ##Zgheib M | 4 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| All Others | 148 | 2 | 1.35 | 1.02 | 1.65 | (0.19, 5.95) | 125 | 1.51 |
| TOTAL | 10160 | 75 | 0.74 | 0.90 | 1.02 | (0.80, 1.28) | 9780 | 0.68 |
| Mount Sinai Morningside | | | | | | | | |
| ##Amsalem Y | 69 | 2 | 2.90 | 1.73 | 2.09 | (0.23, 7.55) | 43 | 2.70 |
| #Fox J | 1 | 0 | 0.00 | 1.61 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Gotsis W | 40 | 1 | 2.50 | 1.31 | 2.38 | (0.03,13.25) | 39 | 1.56 |
| #Gowda R | 64 | 4 | 6.25 | 3.33 | 2.34 | (0.63, 5.99) | 35 | 1.35 |
| Husain S S | 23 | 0 | 0.00 | 0.49 | 0.00 | (0.00,40.34) | 23 | 0.00 |
| #Kanei Y | 1 | 0 | 0.00 | 3.75 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Kapur V | 25 | 0 | 0.00 | 2.28 | 0.00 | (0.00, 8.02) | 24 | 0.00 |
| #Krim N | 34 | 1 | 2.94 | 2.05 | 1.79 | (0.02, 9.97) | 34 | 1.25 |
| Leber R | 310 | 3 | 0.97 | 1.50 | 0.80 | (0.16, 2.35) | 262 | 0.60 |
| #Moreno P | 857 | 4 | 0.47 | 0.96 | 0.61 | (0.16, 1.55) | 829 | 0.43 |

Table 5, *continued*

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|-------------|-----------|-------------|-------------|----------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Mount Sinai Morningside, <i>continued</i> | | | | | | | | |
| Palazzo A | 97 | 0 | 0.00 | 1.18 | 0.00 | (0.00, 3.99) | 82 | 0.00 |
| ##Puma J | 130 | 1 | 0.77 | 1.19 | 0.81 | (0.01, 4.50) | 127 | 0.59 |
| ##Ratcliffe J | 76 | 2 | 2.63 | 1.21 | 2.72 | (0.31, 9.82) | 70 | 1.30 |
| #Sharma S | 18 | 0 | 0.00 | 0.35 | 0.00 | (0.00,73.26) | 18 | 0.00 |
| ##Silverman G | 2 | 0 | 0.00 | 7.58 | 0.00 | (0.00,30.18) | 2 | 0.00 |
| Simon C | 476 | 7 | 1.47 | 2.73 | 0.67 | (0.27, 1.39) | 405 | 0.51 |
| ##Stathopoulos I | 25 | 0 | 0.00 | 1.30 | 0.00 | (0.00,14.06) | 25 | 0.00 |
| #Tamis-Holland J | 143 | 1 | 0.70 | 1.79 | 0.49 | (0.01, 2.71) | 96 | 0.00 |
| #Tomey M | 94 | 2 | 2.13 | 2.53 | 1.05 | (0.12, 3.78) | 69 | 1.14 |
| All Others | 95 | 1 | 1.05 | 1.55 | 0.85 | (0.01, 4.70) | 88 | 0.00 |
| TOTAL | 2580 | 29 | 1.12 | 1.62 | 0.87 ** | (0.58, 1.25) | 2273 | 0.54 |
| Mount Sinai South Nassau Hospital | | | | | | | | |
| Freeman J | 541 | 5 | 0.92 | 1.24 | 0.93 | (0.30, 2.17) | 434 | 0.00 |
| ##Hormozi S | 6 | 1 | 16.67 | 5.58 | 3.73 | (0.05,20.73) | 1 | 0.00 |
| #Petrossian G | 38 | 0 | 0.00 | 0.50 | 0.00 | (0.00,24.23) | 36 | 0.00 |
| #Reddy K | 7 | 0 | 0.00 | 0.77 | 0.00 | (0.00,85.26) | 7 | 0.00 |
| #Rehman A | 463 | 4 | 0.86 | 1.43 | 0.76 | (0.20, 1.93) | 312 | 0.38 |
| #Smyrlis A | 248 | 7 | 2.82 | 2.22 | 1.59 | (0.64, 3.27) | 126 | 1.15 |
| #Zisfein J | 160 | 3 | 1.88 | 0.93 | 2.52 | (0.51, 7.37) | 145 | 1.99 |
| All Others | 78 | 1 | 1.28 | 2.17 | 0.74 | (0.01, 4.11) | 59 | 1.15 |
| TOTAL | 1541 | 21 | 1.36 | 1.46 | 1.16 | (0.72, 1.78) | 1120 | 0.61 |
| NYP - Lawrence Hospital | | | | | | | | |
| #Ali Z | 21 | 0 | 0.00 | 4.22 | 0.00 | (0.00, 5.17) | 11 | 0.00 |
| #Apfelbaum M | 65 | 1 | 1.54 | 1.29 | 1.49 | (0.02, 8.29) | 32 | 0.00 |
| ##Green P | 26 | 0 | 0.00 | 2.57 | 0.00 | (0.00, 6.85) | 14 | 0.00 |
| ##Hjemdahl-Monsen C | 303 | 1 | 0.33 | 0.90 | 0.46 | (0.01, 2.56) | 261 | 0.00 |
| #Irobunda C | 15 | 1 | 6.67 | 4.28 | 1.94 | (0.03,10.81) | . | . |
| ##Kalapatapu K | 331 | 2 | 0.60 | 1.01 | 0.74 | (0.08, 2.69) | 296 | 0.74 |
| #Nazif T | 4 | 0 | 0.00 | 0.74 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Patel Amisha | 7 | 0 | 0.00 | 1.39 | 0.00 | (0.00,46.99) | . | . |
| #Pucillo A | 2 | 0 | 0.00 | 0.18 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Shih A T | 36 | 0 | 0.00 | 0.72 | 0.00 | (0.00,17.60) | 29 | 0.00 |
| #Vahl T | 26 | 2 | 7.69 | 3.31 | 2.90 | (0.33,10.48) | 8 | 0.00 |
| TOTAL | 836 | 7 | 0.84 | 1.24 | 0.84 | (0.34, 1.74) | 655 | 0.35 |
| NYP Hospital - Brooklyn Methodist Hosp. | | | | | | | | |
| #Aslam A F | 163 | 0 | 0.00 | 0.41 | 0.00 | (0.00, 6.81) | 160 | 0.00 |
| #Aslam A K | 85 | 0 | 0.00 | 0.46 | 0.00 | (0.00,11.74) | 84 | 0.00 |
| #Badero O | 122 | 0 | 0.00 | 0.33 | 0.00 | (0.00,11.39) | 122 | 0.00 |
| Brener S | 423 | 19 | 4.49 | 2.42 | 2.32 * | (1.39, 3.62) | 275 | 2.29 * |
| Chokshi A | 53 | 0 | 0.00 | 0.55 | 0.00 | (0.00,15.64) | 53 | 0.00 |
| ##Dominguez A | 6 | 0 | 0.00 | 1.66 | 0.00 | (0.00,45.96) | 6 | 0.00 |
| Haq S | 181 | 4 | 2.21 | 1.98 | 1.39 | (0.37, 3.56) | 164 | 0.68 |
| ##Hoyek W | 48 | 1 | 2.08 | 0.18 | 14.15 | (0.18,78.71) | 48 | 9.03 |
| Jasty B | 111 | 1 | 0.90 | 0.81 | 1.39 | (0.02, 7.75) | 109 | 1.03 |
| ##Jones M | 1 | 0 | 0.00 | 0.62 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Kantrowitz N | 33 | 0 | 0.00 | 0.44 | 0.00 | (0.00,31.70) | 33 | 0.00 |
| ##Kesanakurthy S | 3 | 0 | 0.00 | 0.07 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| #Kwan T | 2 | 0 | 0.00 | 0.23 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| ##Lee P C | 13 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 13 | 0.00 |
| #Patel V | 113 | 1 | 0.88 | 0.48 | 2.31 | (0.03,12.87) | 111 | 1.55 |
| #Rehman S | 225 | 0 | 0.00 | 1.15 | 0.00 | (0.00, 1.77) | 207 | 0.00 |
| #Rosero H | 12 | 0 | 0.00 | 0.40 | 0.00 | (0.00,96.25) | 12 | 0.00 |
| Rouvelas P | 44 | 0 | 0.00 | 0.52 | 0.00 | (0.00,20.06) | 43 | 0.00 |
| Sacchi T | 1155 | 10 | 0.87 | 0.98 | 1.11 | (0.53, 2.03) | 1021 | 0.77 |
| #Sanghi P | 59 | 0 | 0.00 | 0.23 | 0.00 | (0.00,33.86) | 59 | 0.00 |
| #Shah Ankur | 143 | 1 | 0.70 | 1.09 | 0.80 | (0.01, 4.46) | 142 | 0.58 |
| #Shaknovich A | 6 | 0 | 0.00 | 1.21 | 0.00 | (0.00,63.16) | 5 | 0.00 |
| #Shohat E | 82 | 0 | 0.00 | 0.28 | 0.00 | (0.00,20.03) | 82 | 0.00 |
| #Singh T | 103 | 0 | 0.00 | 0.25 | 0.00 | (0.00,17.92) | 103 | 0.00 |
| ##Slotwiner A | 2 | 0 | 0.00 | 0.39 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| All Others | 101 | 4 | 3.96 | 1.91 | 2.58 | (0.70, 6.62) | 92 | 1.51 |
| TOTAL | 3289 | 41 | 1.25 | 1.09 | 1.43 | (1.03, 1.94) | 2952 | 0.98 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|-------------|-----------|-------------|-------------|----------------|---------------------|---------------|----------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| NYP Hospital - Columbia Presbyterian | | | | | | | | |
| Aboufares A | 53 | 0 | 0.00 | 0.81 | 0.00 | (0.00,10.60) | 48 | 0.00 |
| #Ali Z | 459 | 6 | 1.31 | 1.73 | 0.94 | (0.35, 2.06) | 428 | 0.65 |
| #Apfelbaum M | 24 | 0 | 0.00 | 0.36 | 0.00 | (0.00,53.42) | 24 | 0.00 |
| ##Bliagos D | 4 | 0 | 0.00 | 0.20 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| Brogno D | 420 | 3 | 0.71 | 0.70 | 1.28 | (0.26, 3.75) | 415 | 0.94 |
| Collins M | 451 | 5 | 1.11 | 1.59 | 0.87 | (0.28, 2.04) | 413 | 0.63 |
| ##Green P | 270 | 6 | 2.22 | 1.23 | 2.25 | (0.82, 4.89) | 239 | 1.34 |
| ##Hjemdahl-Monsen C | 31 | 0 | 0.00 | 1.19 | 0.00 | (0.00,12.43) | 30 | 0.00 |
| #Irobunda C | 129 | 1 | 0.78 | 0.88 | 1.10 | (0.01, 6.12) | 113 | 0.00 |
| ##Kalapatapu K | 33 | 0 | 0.00 | 0.35 | 0.00 | (0.00,39.44) | 33 | 0.00 |
| Karmpaliotis D | 499 | 4 | 0.80 | 0.94 | 1.07 | (0.29, 2.73) | 480 | 0.72 |
| Kirtane A | 482 | 6 | 1.24 | 1.28 | 1.21 | (0.44, 2.63) | 449 | 0.96 |
| Kodali S | 245 | 9 | 3.67 | 2.11 | 2.18 | (0.99, 4.13) | 232 | 1.29 |
| Leon M | 53 | 0 | 0.00 | 0.56 | 0.00 | (0.00,15.42) | 53 | 0.00 |
| #Moses J | 964 | 4 | 0.41 | 0.69 | 0.75 | (0.20, 1.92) | 962 | 0.56 |
| #Motivala A | 28 | 1 | 3.57 | 0.86 | 5.20 | (0.07,28.94) | 28 | 3.65 |
| #Nazif T | 182 | 2 | 1.10 | 1.73 | 0.79 | (0.09, 2.86) | 161 | 0.41 |
| Parikh M | 657 | 5 | 0.76 | 0.74 | 1.28 | (0.41, 2.98) | 634 | 0.68 |
| #Patel Amisha | 159 | 4 | 2.52 | 1.10 | 2.86 | (0.77, 7.32) | 134 | 2.75 |
| Perry-Bottinger L | 17 | 0 | 0.00 | 0.74 | 0.00 | (0.00,36.45) | 17 | 0.00 |
| #Pucillo A | 132 | 1 | 0.76 | 0.75 | 1.27 | (0.02, 7.04) | 126 | 1.10 |
| ##Puma J | 95 | 0 | 0.00 | 0.58 | 0.00 | (0.00, 8.28) | 95 | 0.00 |
| Rabbani L | 419 | 1 | 0.24 | 0.76 | 0.39 | (0.01, 2.19) | 404 | 0.32 |
| ##Ratcliffe J | 49 | 0 | 0.00 | 0.48 | 0.00 | (0.00,19.31) | 49 | 0.00 |
| Rentrop K | 58 | 0 | 0.00 | 0.40 | 0.00 | (0.00,19.53) | 58 | 0.00 |
| Smith S | 32 | 0 | 0.00 | 0.43 | 0.00 | (0.00,33.22) | 32 | 0.00 |
| ##Stathopoulos I | 183 | 0 | 0.00 | 0.52 | 0.00 | (0.00, 4.81) | 183 | 0.00 |
| #Vahl T | 169 | 6 | 3.55 | 2.49 | 1.78 | (0.65, 3.87) | 145 | 1.92 |
| #Warchol A | 1 | 0 | 0.00 | 0.20 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Weinberger J | 10 | 0 | 0.00 | 0.34 | 0.00 | (0.00,100.0) | 10 | 0.00 |
| All Others | 152 | 4 | 2.63 | 2.13 | 1.54 | (0.41, 3.94) | 130 | 0.61 |
| TOTAL | 6460 | 68 | 1.05 | 1.09 | 1.21 | (0.94, 1.53) | 6130 | 0.82 |
| NYP Hospital - New York Weill Cornell | | | | | | | | |
| Bergman G | 480 | 6 | 1.25 | 2.03 | 0.77 | (0.28, 1.67) | 412 | 0.18 |
| Feldman D | 522 | 3 | 0.57 | 1.63 | 0.44 | (0.09, 1.29) | 456 | 0.38 |
| #Gade C | 8 | 0 | 0.00 | 0.22 | 0.00 | (0.00,100.0) | 8 | 0.00 |
| ##Kesanakurthy S | 42 | 0 | 0.00 | 0.50 | 0.00 | (0.00,21.92) | 41 | 0.00 |
| Kim L | 473 | 1 | 0.21 | 1.92 | 0.14 ** | (0.00, 0.76) | 392 | 0.17 |
| Minutello R | 409 | 4 | 0.98 | 1.67 | 0.73 | (0.20, 1.87) | 341 | 0.62 |
| ##Sharma A | 78 | 0 | 0.00 | 1.08 | 0.00 | (0.00, 5.41) | 69 | 0.00 |
| Singh H | 220 | 3 | 1.36 | 1.89 | 0.90 | (0.18, 2.63) | 167 | 0.78 |
| ##Slotwiner A | 79 | 1 | 1.27 | 1.35 | 1.17 | (0.02, 6.49) | 71 | 0.97 |
| ##Srivastava S | 24 | 0 | 0.00 | 1.26 | 0.00 | (0.00,15.09) | 23 | 0.00 |
| Wong S | 448 | 3 | 0.67 | 0.82 | 1.02 | (0.21, 2.98) | 432 | 0.88 |
| All Others | 55 | 1 | 1.82 | 2.73 | 0.83 | (0.01, 4.62) | 41 | 0.00 |
| TOTAL | 2838 | 22 | 0.78 | 1.62 | 0.60 ** | (0.37, 0.90) | 2453 | 0.43 ** |
| NYP Hospital - Queens | | | | | | | | |
| Chiu Sungkin | 51 | 0 | 0.00 | 0.17 | 0.00 | (0.00,52.07) | 51 | 0.00 |
| Chiu Sungwai | 54 | 1 | 1.85 | 0.18 | 12.99 | (0.17,72.26) | 54 | 8.52 |
| #David M | 12 | 0 | 0.00 | 0.21 | 0.00 | (0.00,100.0) | 12 | 0.00 |
| ##Grunwald A | 69 | 1 | 1.45 | 1.14 | 1.59 | (0.02, 8.85) | 48 | 2.23 |
| ##Gupta R | 65 | 1 | 1.54 | 0.97 | 1.97 | (0.03,10.96) | 63 | 1.29 |
| Gustafson G | 422 | 3 | 0.71 | 0.99 | 0.90 | (0.18, 2.63) | 309 | 0.75 |
| #Hameedi A | 129 | 0 | 0.00 | 0.21 | 0.00 | (0.00,16.91) | 129 | 0.00 |
| ##Koss J | 27 | 0 | 0.00 | 1.45 | 0.00 | (0.00,11.66) | 6 | 0.00 |
| Lee H | 161 | 0 | 0.00 | 0.16 | 0.00 | (0.00,17.93) | 161 | 0.00 |
| Moustakakis E | 457 | 1 | 0.22 | 0.87 | 0.31 | (0.00, 1.74) | 343 | 0.00 |
| ##Papadakos S | 149 | 2 | 1.34 | 2.45 | 0.68 | (0.08, 2.47) | 91 | 1.04 |
| #Park C | 269 | 0 | 0.00 | 0.38 | 0.00 | (0.00, 4.44) | 247 | 0.00 |
| ##Sharma A | 4 | 1 | 25.00 | 0.99 | 31.58 | (0.41,100.0) | . | . |
| ##Slotwiner A | 8 | 0 | 0.00 | 7.23 | 0.00 | (0.00, 7.91) | . | . |
| All Others | 220 | 4 | 1.82 | 1.60 | 1.41 | (0.38, 3.62) | 162 | 1.93 |
| TOTAL | 2097 | 14 | 0.67 | 0.93 | 0.89 | (0.49, 1.50) | 1676 | 1.00 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--------------------------------------|-------------|-----------|-------------|-------------|-------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| NYU Hospitals Center | | | | | | | | |
| #Alhaddad B | 1 | 0 | 0.00 | 0.10 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Attubato M | 1403 | 9 | 0.64 | 0.70 | 1.14 | (0.52, 2.16) | 1324 | 0.79 |
| #Babaev A | 792 | 3 | 0.38 | 0.47 | 1.02 | (0.20, 2.97) | 777 | 0.79 |
| #Bangalore S | 52 | 0 | 0.00 | 1.06 | 0.00 | (0.00, 8.31) | 42 | 0.00 |
| #Coppola J | 132 | 0 | 0.00 | 0.60 | 0.00 | (0.00, 5.81) | 121 | 0.00 |
| #David M | 319 | 1 | 0.31 | 0.27 | 1.43 | (0.02, 7.96) | 319 | 0.92 |
| ##Farid A | 167 | 0 | 0.00 | 0.27 | 0.00 | (0.00,10.16) | 167 | 0.00 |
| Feit F | 508 | 1 | 0.20 | 0.45 | 0.55 | (0.01, 3.05) | 496 | 0.39 |
| ##Fernaine G | 39 | 1 | 2.56 | 0.40 | 8.00 | (0.10,44.51) | 39 | 5.22 |
| ##Grunwald A | 2 | 0 | 0.00 | 0.19 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Iqbal S | 20 | 0 | 0.00 | 2.24 | 0.00 | (0.00,10.22) | 11 | 0.00 |
| #Jayasundera T | 219 | 0 | 0.00 | 0.22 | 0.00 | (0.00, 9.44) | 218 | 0.00 |
| #Jilaihawi H | 17 | 1 | 5.88 | 1.88 | 3.90 | (0.05,21.69) | 7 | 0.00 |
| #Liou M | 6 | 0 | 0.00 | 0.18 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| #Palkhiwala S | 198 | 0 | 0.00 | 0.25 | 0.00 | (0.00, 9.21) | 198 | 0.00 |
| ##Papadakos S | 332 | 1 | 0.30 | 0.65 | 0.58 | (0.01, 3.21) | 331 | 0.47 |
| #Razzouk L | 471 | 4 | 0.85 | 0.91 | 1.16 | (0.31, 2.97) | 409 | 0.90 |
| #Sanghi P | 81 | 0 | 0.00 | 0.17 | 0.00 | (0.00,33.21) | 81 | 0.00 |
| #Serrano-Gomez C | 257 | 3 | 1.17 | 0.87 | 1.67 | (0.34, 4.89) | 227 | 1.24 |
| #Shah B | 28 | 1 | 3.57 | 1.38 | 3.23 | (0.04,17.96) | 13 | 0.00 |
| ##Sharma A | 34 | 0 | 0.00 | 1.84 | 0.00 | (0.00, 7.34) | 34 | 0.00 |
| #Singh T | 83 | 0 | 0.00 | 0.16 | 0.00 | (0.00,34.15) | 83 | 0.00 |
| #Slater J | 492 | 8 | 1.63 | 1.03 | 1.96 | (0.85, 3.87) | 428 | 2.06 |
| ##Slotwiner A | 31 | 1 | 3.23 | 2.19 | 1.84 | (0.02,10.24) | 30 | 0.00 |
| ##Srivastava S | 37 | 0 | 0.00 | 0.20 | 0.00 | (0.00,63.06) | 37 | 0.00 |
| #Staniloae C | 125 | 3 | 2.40 | 0.87 | 3.44 | (0.69,10.04) | 116 | 1.87 |
| #Vales L | 51 | 0 | 0.00 | 0.59 | 0.00 | (0.00,15.21) | 43 | 0.00 |
| Williams M | 37 | 2 | 5.41 | 1.15 | 5.85 | (0.66,21.14) | 36 | 4.11 |
| All Others | 98 | 0 | 0.00 | 1.01 | 0.00 | (0.00, 4.64) | 67 | 0.00 |
| TOTAL | 6032 | 39 | 0.65 | 0.65 | 1.25 | (0.89, 1.71) | 5663 | 0.86 |
| NYU Langone Hospital-Brooklyn | | | | | | | | |
| #Alhaddad B | 114 | 1 | 0.88 | 1.52 | 0.72 | (0.01, 4.01) | 73 | 0.00 |
| ##Dominguez A | 41 | 0 | 0.00 | 1.83 | 0.00 | (0.00, 6.10) | 40 | 0.00 |
| ##Farid A | 2 | 0 | 0.00 | 0.46 | 0.00 | (0.00,100.0) | | |
| ##Fernaine G | 274 | 4 | 1.46 | 1.38 | 1.32 | (0.36, 3.39) | 231 | 1.46 |
| ##Fuschetto D | 34 | 1 | 2.94 | 2.43 | 1.51 | (0.02, 8.40) | 8 | 0.00 |
| ##Fuschetto O | 57 | 1 | 1.75 | 2.30 | 0.95 | (0.01, 5.30) | 28 | 0.00 |
| #Gade C | 2 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Hoyek W | 81 | 0 | 0.00 | 1.80 | 0.00 | (0.00, 3.14) | 48 | 0.00 |
| #Kandov R | 35 | 0 | 0.00 | 3.45 | 0.00 | (0.00, 3.79) | 6 | 0.00 |
| ##Lee P C | 50 | 0 | 0.00 | 1.91 | 0.00 | (0.00, 4.79) | 36 | 0.00 |
| #Royzman R | 44 | 1 | 2.27 | 3.89 | 0.73 | (0.01, 4.05) | 15 | 0.00 |
| ##Sharma A | 39 | 2 | 5.13 | 1.81 | 3.53 | (0.40,12.76) | 23 | 0.00 |
| ##Slotwiner A | 48 | 1 | 2.08 | 1.04 | 2.51 | (0.03,13.95) | 38 | 4.15 |
| ##Srivastava S | 39 | 0 | 0.00 | 0.42 | 0.00 | (0.00,28.00) | 38 | 0.00 |
| TOTAL | 860 | 11 | 1.28 | 1.76 | 0.91 | (0.45, 1.63) | 585 | 0.85 |
| NYU Winthrop Hospital | | | | | | | | |
| ##Bagga R | 34 | 0 | 0.00 | 0.30 | 0.00 | (0.00,44.45) | 34 | 0.00 |
| #Blumenthal S | 1 | 0 | 0.00 | 0.68 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Caselnova R | 21 | 0 | 0.00 | 0.92 | 0.00 | (0.00,23.76) | 19 | 0.00 |
| ##Chengot T | 62 | 3 | 4.84 | 1.70 | 3.55 | (0.71,10.39) | 50 | 2.18 |
| Daggubati R | 238 | 7 | 2.94 | 1.98 | 1.85 | (0.74, 3.82) | 148 | 2.06 |
| Donohue D | 244 | 2 | 0.82 | 1.20 | 0.85 | (0.10, 3.07) | 189 | 0.89 |
| ##Franco J | 4 | 0 | 0.00 | 0.78 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| ##Galler B | 48 | 0 | 0.00 | 0.66 | 0.00 | (0.00,14.37) | 47 | 0.00 |
| #Gambino A | 694 | 8 | 1.15 | 1.20 | 1.20 | (0.52, 2.36) | 610 | 0.88 |
| Green S | 234 | 2 | 0.85 | 1.52 | 0.70 | (0.08, 2.54) | 138 | 0.00 |
| ##Grunwald A | 4 | 0 | 0.00 | 1.91 | 0.00 | (0.00,59.99) | 4 | 0.00 |
| ##Hormozi S | 1 | 0 | 0.00 | 0.10 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Joseph S | 7 | 0 | 0.00 | 0.07 | 0.00 | (0.00,100.0) | 7 | 0.00 |
| #Khan W | 29 | 0 | 0.00 | 1.22 | 0.00 | (0.00,12.90) | 29 | 0.00 |
| Marzo K | 266 | 1 | 0.38 | 0.97 | 0.48 | (0.01, 2.70) | 207 | 0.00 |

Table 5, *continued*

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|-------------|-----------|-------------|-------------|-------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| NYU Winthrop Hospital, <i>continued</i> | | | | | | | | |
| #Mousa T | 69 | 0 | 0.00 | 0.36 | 0.00 | (0.00,18.42) | 69 | 0.00 |
| #Naidu S | 59 | 1 | 1.69 | 1.35 | 1.57 | (0.02, 8.72) | 50 | 0.00 |
| ##Papadakos S | 8 | 0 | 0.00 | 1.47 | 0.00 | (0.00,38.95) | 7 | 0.00 |
| ##Patel R B | 2 | 0 | 0.00 | 0.09 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Schwartz R | 1037 | 10 | 0.96 | 1.35 | 0.89 | (0.43, 1.64) | 929 | 0.69 |
| #Smyrlis A | 1 | 0 | 0.00 | 0.05 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Yadav S | 9 | 0 | 0.00 | 0.59 | 0.00 | (0.00,85.71) | 9 | 0.00 |
| #Zisfein J | 73 | 0 | 0.00 | 1.19 | 0.00 | (0.00, 5.28) | 72 | 0.00 |
| All Others | 11 | 0 | 0.00 | 1.78 | 0.00 | (0.00,23.35) | 9 | 0.00 |
| TOTAL | 3156 | 34 | 1.08 | 1.28 | 1.05 | (0.72, 1.46) | 2636 | 0.72 |
| Niagara Falls Memorial Medical Center | | | | | | | | |
| #Chaudhry E | 14 | 0 | 0.00 | 0.39 | 0.00 | (0.00,84.15) | 12 | 0.00 |
| ##Conley J | 105 | 0 | 0.00 | 0.56 | 0.00 | (0.00, 7.72) | 91 | 0.00 |
| #Dashkoff N | 93 | 0 | 0.00 | 1.47 | 0.00 | (0.00, 3.35) | 62 | 0.00 |
| ##Farhi E | 1 | 0 | 0.00 | 3.51 | 0.00 | (0.00,100.0) | . | . |
| #Gelormini J | 3 | 0 | 0.00 | 0.93 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Haq N | 3 | 0 | 0.00 | 1.14 | 0.00 | (0.00,100.0) | . | . |
| ##Masud A | 8 | 0 | 0.00 | 0.84 | 0.00 | (0.00,67.86) | 5 | 0.00 |
| #Meltser H | 1 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Morris W | 1 | 0 | 0.00 | 0.43 | 0.00 | (0.00,100.0) | . | . |
| ##Phadke K | 1 | 0 | 0.00 | 2.42 | 0.00 | (0.00,100.0) | . | . |
| All Others | 35 | 0 | 0.00 | 1.01 | 0.00 | (0.00,12.91) | 26 | 0.00 |
| TOTAL | 265 | 0 | 0.00 | 0.97 | 0.00 | (0.00, 1.79) | 199 | 0.00 |
| North Shore University Hospital | | | | | | | | |
| #Blumenthal S | 103 | 0 | 0.00 | 0.37 | 0.00 | (0.00,12.14) | 103 | 0.00 |
| #Boutis L | 1046 | 17 | 1.63 | 1.20 | 1.69 | (0.98, 2.71) | 901 | 1.54 * |
| #Dhama B | 20 | 0 | 0.00 | 1.07 | 0.00 | (0.00,21.45) | 17 | 0.00 |
| #Friedman G | 56 | 0 | 0.00 | 0.35 | 0.00 | (0.00,23.50) | 56 | 0.00 |
| ##Fuschetto D | 27 | 0 | 0.00 | 0.67 | 0.00 | (0.00,25.13) | 25 | 0.00 |
| ##Fuschetto O | 11 | 0 | 0.00 | 1.49 | 0.00 | (0.00,27.97) | 11 | 0.00 |
| ##Galler B | 46 | 1 | 2.17 | 1.00 | 2.72 | (0.04,15.15) | 46 | 1.88 |
| ##Happes M | 1 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Hormozi S | 3 | 0 | 0.00 | 2.59 | 0.00 | (0.00,59.02) | 3 | 0.00 |
| #Husain S I | 15 | 0 | 0.00 | 1.40 | 0.00 | (0.00,21.79) | 14 | 0.00 |
| #Jauhar R | 1533 | 19 | 1.24 | 1.07 | 1.45 | (0.87, 2.26) | 1288 | 1.13 |
| ##Joseph S | 6 | 0 | 0.00 | 0.25 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| #Kaplan B | 1770 | 11 | 0.62 | 1.06 | 0.74 | (0.37, 1.32) | 1580 | 0.35 ** |
| ##Katz S | 83 | 0 | 0.00 | 1.15 | 0.00 | (0.00, 4.79) | 68 | 0.00 |
| ##Khurana D | 2 | 0 | 0.00 | 0.88 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Kim M | 39 | 0 | 0.00 | 0.44 | 0.00 | (0.00,26.87) | 38 | 0.00 |
| ##Koss J | 209 | 1 | 0.48 | 1.14 | 0.52 | (0.01, 2.92) | 202 | 0.43 |
| #Kruger A | 168 | 2 | 1.19 | 1.44 | 1.03 | (0.12, 3.72) | 162 | 0.77 |
| #Lee A | 78 | 0 | 0.00 | 3.36 | 0.00 | (0.00, 1.74) | 33 | 0.00 |
| #Marchant D | 104 | 0 | 0.00 | 1.30 | 0.00 | (0.00, 3.39) | 61 | 0.00 |
| #Meraj P | 1021 | 14 | 1.37 | 1.39 | 1.23 | (0.67, 2.07) | 867 | 0.73 |
| #Mignatti A | 60 | 1 | 1.67 | 1.01 | 2.07 | (0.03,11.50) | 55 | 1.38 |
| ##Ong L Y | 33 | 0 | 0.00 | 0.99 | 0.00 | (0.00,13.94) | 33 | 0.00 |
| ##Papadakos S | 7 | 0 | 0.00 | 4.23 | 0.00 | (0.00,15.46) | 7 | 0.00 |
| ##Patcha R | 23 | 0 | 0.00 | 0.57 | 0.00 | (0.00,34.93) | 23 | 0.00 |
| #Polena S | 39 | 0 | 0.00 | 0.76 | 0.00 | (0.00,15.42) | 39 | 0.00 |
| ##Poumpouridis K | 66 | 1 | 1.52 | 0.54 | 3.51 | (0.05,19.55) | 62 | 2.45 |
| #Rutkin B | 136 | 4 | 2.94 | 1.69 | 2.17 | (0.58, 5.56) | 87 | 0.00 |
| ##Selim S | 7 | 0 | 0.00 | 3.69 | 0.00 | (0.00,17.74) | 4 | 0.00 |
| #Singh A | 176 | 4 | 2.27 | 2.30 | 1.23 | (0.33, 3.15) | 120 | 0.41 |
| #Srinivas G | 36 | 0 | 0.00 | 0.49 | 0.00 | (0.00,25.96) | 36 | 0.00 |
| #Strizik B | 67 | 1 | 1.49 | 1.18 | 1.57 | (0.02, 8.75) | 67 | 1.05 |
| ##Weinberg M | 139 | 1 | 0.72 | 1.40 | 0.64 | (0.01, 3.57) | 82 | 1.36 |
| All Others | 67 | 1 | 1.49 | 1.14 | 1.63 | (0.02, 9.07) | 54 | 1.55 |
| TOTAL | 7197 | 78 | 1.08 | 1.19 | 1.13 | (0.90, 1.41) | 6153 | 0.79 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---|-------------|-----------|-------------|-------------|---------------|---------------------|---------------|---------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Olean General Hospital | | | | | | | | |
| ##Chockalingam S | 34 | 0 | 0.00 | 2.99 | 0.00 | (0.00, 4.50) | 17 | 0.00 |
| ##Farhi E | 6 | 0 | 0.00 | 1.65 | 0.00 | (0.00,46.14) | 1 | 0.00 |
| #Iyer S | 1 | 0 | 0.00 | 0.08 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Iyer V | 27 | 0 | 0.00 | 1.74 | 0.00 | (0.00, 9.74) | 16 | 0.00 |
| Mallavarapu C | 366 | 9 | 2.46 | 1.45 | 2.12 | (0.97, 4.02) | 198 | 1.85 |
| ##Morris W | 13 | 0 | 0.00 | 2.85 | 0.00 | (0.00,12.37) | 7 | 0.00 |
| ##Phadke K | 13 | 0 | 0.00 | 0.69 | 0.00 | (0.00,51.02) | 6 | 0.00 |
| ##Sullivan P | 2 | 0 | 0.00 | 3.09 | 0.00 | (0.00,74.00) | . | . |
| All Others | 2 | 0 | 0.00 | 2.56 | 0.00 | (0.00,89.53) | 1 | 0.00 |
| TOTAL | 464 | 9 | 1.94 | 1.61 | 1.50 | (0.69, 2.86) | 247 | 1.43 |
| Peconic Bay Medical Center | | | | | | | | |
| ##Gruberg L | 8 | 0 | 0.00 | 2.36 | 0.00 | (0.00,24.25) | 2 | 0.00 |
| ##Katz S | 69 | 1 | 1.45 | 0.94 | 1.92 | (0.03,10.68) | 54 | 2.46 |
| ##Lederman S | 59 | 2 | 3.39 | 0.66 | 6.40 | (0.72,23.11) | 41 | 5.65 |
| All Others | 25 | 1 | 4.00 | 1.28 | 3.89 | (0.05,21.64) | 11 | 0.00 |
| TOTAL | 161 | 4 | 2.48 | 0.96 | 3.22 | (0.87, 8.25) | 108 | 3.13 |
| Richmond University Medical Center | | | | | | | | |
| ##Duvvuri S | 179 | 1 | 0.56 | 0.85 | 0.82 | (0.01, 4.57) | 150 | 1.02 |
| ##Farid A | 2 | 0 | 0.00 | 0.13 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| ##Fuschetto O | 1 | 0 | 0.00 | 5.20 | 0.00 | (0.00,88.07) | . | . |
| ##Gala B | 154 | 3 | 1.95 | 1.80 | 1.35 | (0.27, 3.94) | 112 | 1.07 |
| #Khan A | 1 | 0 | 0.00 | 4.33 | 0.00 | (0.00,100.0) | . | . |
| Rotatori F | 94 | 0 | 0.00 | 2.27 | 0.00 | (0.00, 2.15) | 48 | 0.00 |
| #Snyder S | 6 | 0 | 0.00 | 1.18 | 0.00 | (0.00,64.87) | . | . |
| #Swamy S | 61 | 1 | 1.64 | 1.12 | 1.82 | (0.02,10.14) | 46 | 0.00 |
| #Tamburrino F | 4 | 0 | 0.00 | 0.54 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| ##Zgheib M | 24 | 0 | 0.00 | 1.18 | 0.00 | (0.00,16.17) | 9 | 0.00 |
| All Others | 11 | 0 | 0.00 | 1.19 | 0.00 | (0.00,34.93) | 5 | 0.00 |
| TOTAL | 537 | 5 | 0.93 | 1.44 | 0.81 | (0.26, 1.89) | 376 | 0.66 |
| Rochester General Hospital | | | | | | | | |
| #Abtahian F | 378 | 6 | 1.59 | 1.64 | 1.21 | (0.44, 2.63) | 265 | 0.88 |
| #Ahmed A | 521 | 5 | 0.96 | 1.52 | 0.79 | (0.25, 1.84) | 385 | 0.21 |
| ##Chockalingam S | 124 | 3 | 2.42 | 1.11 | 2.73 | (0.55, 7.98) | 109 | 0.81 |
| #Depta J | 231 | 5 | 2.16 | 1.44 | 1.88 | (0.60, 4.38) | 176 | 0.84 |
| ##Doling M | 3 | 0 | 0.00 | 0.41 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| #Gacioch G | 244 | 3 | 1.23 | 1.23 | 1.25 | (0.25, 3.64) | 171 | 0.00 |
| #Hall C | 422 | 10 | 2.37 | 1.59 | 1.86 | (0.89, 3.43) | 313 | 0.77 |
| ##Ong L S | 1341 | 19 | 1.42 | 1.05 | 1.69 | (1.02, 2.64) | 1204 | 1.05 |
| ##Ong L Y | 2 | 0 | 0.00 | 0.38 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Patel T | 320 | 11 | 3.44 | 2.23 | 1.92 | (0.96, 3.44) | 234 | 0.99 |
| Scortichini D | 140 | 0 | 0.00 | 0.47 | 0.00 | (0.00, 6.92) | 134 | 0.00 |
| #Singer G | 332 | 1 | 0.30 | 0.97 | 0.39 | (0.01, 2.15) | 324 | 0.33 |
| TOTAL | 4058 | 63 | 1.55 | 1.32 | 1.47 | (1.13, 1.88) | 3320 | 0.72 |
| Samaritan Hospital | | | | | | | | |
| #Ali-Hasan S | 81 | 1 | 1.23 | 0.54 | 2.85 | (0.04,15.85) | 64 | 3.60 |
| #Bishop G | 24 | 1 | 4.17 | 1.83 | 2.85 | (0.04,15.84) | 9 | 9.82 |
| ##Delago A | 18 | 0 | 0.00 | 2.63 | 0.00 | (0.00, 9.66) | 1 | 0.00 |
| ##Esper D | 19 | 3 | 15.79 | 6.75 | 2.92 | (0.59, 8.53) | 1 | 0.00 |
| ##Maroney J | 59 | 1 | 1.69 | 1.88 | 1.13 | (0.01, 6.28) | 22 | 0.00 |
| #Martinelli M | 9 | 1 | 11.11 | 1.94 | 7.14 | (0.09,39.74) | 3 | 0.00 |
| ##Papaleo R | 430 | 8 | 1.86 | 0.74 | 3.15 * | (1.36, 6.21) | 338 | 2.72 * |
| #Roccario E | 2 | 0 | 0.00 | 1.05 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Winston B | 37 | 1 | 2.70 | 0.95 | 3.56 | (0.05,19.80) | 13 | 0.00 |
| TOTAL | 679 | 16 | 2.36 | 1.10 | 2.68 * | (1.53, 4.35) | 452 | 2.65 * |

Table 5, *continued*

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|--|-------------|-----------|-------------|-------------|-------------|---------------------|---------------|---------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Saratoga Hospital | | | | | | | | |
| #Grella R | 83 | 3 | 3.61 | 1.42 | 3.19 | (0.64, 9.31) | 50 | 4.44 * |
| Idelchik G | 277 | 1 | 0.36 | 1.24 | 0.36 | (0.00, 2.01) | 211 | 0.69 |
| #McNulty P | 93 | 1 | 1.08 | 1.55 | 0.87 | (0.01, 4.81) | 48 | 0.00 |
| ##Nappi A | 1 | 0 | 0.00 | 2.52 | 0.00 | (0.00,100.0) | . | . |
| ##Papaleo R | 1 | 0 | 0.00 | 1.07 | 0.00 | (0.00,100.0) | . | . |
| TOTAL | 455 | 5 | 1.10 | 1.34 | 1.02 | (0.33, 2.39) | 309 | 1.68 |
| South Shore University Hospital | | | | | | | | |
| ##Bagga R | 18 | 0 | 0.00 | 0.30 | 0.00 | (0.00,84.75) | 18 | 0.00 |
| ##Bench T | 3 | 0 | 0.00 | 0.10 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| ##Caselnova R | 33 | 1 | 3.03 | 2.50 | 1.52 | (0.02, 8.43) | 10 | 0.00 |
| ##Chengot T | 2 | 0 | 0.00 | 0.92 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Coven D | 1 | 0 | 0.00 | 0.25 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Deutsch E | 77 | 1 | 1.30 | 1.40 | 1.16 | (0.02, 6.43) | 58 | 0.00 |
| ##Franco J | 1 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Galler B | 8 | 0 | 0.00 | 0.70 | 0.00 | (0.00,82.21) | 8 | 0.00 |
| #Gandotra P | 622 | 8 | 1.29 | 1.09 | 1.47 | (0.63, 2.90) | 552 | 1.30 |
| ##Gruberg L | 96 | 1 | 1.04 | 1.28 | 1.01 | (0.01, 5.64) | 79 | 0.00 |
| ##Happes M | 58 | 0 | 0.00 | 1.71 | 0.00 | (0.00, 4.60) | 44 | 0.00 |
| ##Hormozi S | 443 | 3 | 0.68 | 0.52 | 1.61 | (0.32, 4.71) | 405 | 1.72 |
| ##Katz S | 2 | 0 | 0.00 | 0.12 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Korlipara G | 6 | 0 | 0.00 | 0.55 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| ##Lederman S | 43 | 2 | 4.65 | 1.38 | 4.21 | (0.47,15.18) | 43 | 2.74 |
| #Lee P J | 263 | 5 | 1.90 | 0.62 | 3.86 | (1.24, 9.00) | 251 | 2.89 * |
| ##Ong L Y | 37 | 0 | 0.00 | 1.14 | 0.00 | (0.00,10.89) | 34 | 0.00 |
| ##Patcha R | 2 | 0 | 0.00 | 0.47 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| ##Patel R B | 51 | 0 | 0.00 | 1.89 | 0.00 | (0.00, 4.74) | 7 | 0.00 |
| ##Poumpouridis K | 21 | 0 | 0.00 | 0.30 | 0.00 | (0.00,72.30) | 19 | 0.00 |
| #Reich D | 213 | 2 | 0.94 | 0.86 | 1.36 | (0.15, 4.92) | 186 | 1.69 |
| ##Selim S | 300 | 4 | 1.33 | 1.14 | 1.46 | (0.39, 3.73) | 260 | 1.42 |
| All Others | 161 | 4 | 2.48 | 1.19 | 2.62 | (0.70, 6.70) | 142 | 2.03 |
| TOTAL | 2461 | 31 | 1.26 | 0.99 | 1.60 | (1.08, 2.27) | 2132 | 1.49 * |
| Southampton Hospital | | | | | | | | |
| ##Bench T | 52 | 1 | 1.92 | 1.64 | 1.47 | (0.02, 8.17) | 41 | 0.00 |
| ##Franco J | 2 | 0 | 0.00 | 0.56 | 0.00 | (0.00,100.0) | . | . |
| ##Lederman S | 17 | 0 | 0.00 | 1.34 | 0.00 | (0.00,20.03) | 14 | 0.00 |
| All Others | 37 | 2 | 5.41 | 2.35 | 2.87 | (0.32,10.38) | 13 | 0.00 |
| TOTAL | 108 | 3 | 2.78 | 1.81 | 1.91 | (0.38, 5.59) | 68 | 0.00 |
| St. Barnabas Hospital | | | | | | | | |
| ##Amsalem Y | 13 | 0 | 0.00 | 2.28 | 0.00 | (0.00,15.45) | 3 | 0.00 |
| ##Bortnick A | 5 | 0 | 0.00 | 0.76 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| ##Celaj S | 407 | 5 | 1.23 | 1.07 | 1.43 | (0.46, 3.33) | 365 | 0.57 |
| #Chavarria N | 4 | 0 | 0.00 | 1.35 | 0.00 | (0.00,84.73) | 2 | 0.00 |
| ##Greenberg M | 2 | 0 | 0.00 | 0.61 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Johnson M | 11 | 0 | 0.00 | 1.69 | 0.00 | (0.00,24.64) | 3 | 0.00 |
| #Monrad E | 2 | 1 | 50.00 | 2.74 | 22.81 | (0.30,100.0) | 1 | 23.37 |
| ##Pyo R | 13 | 0 | 0.00 | 2.84 | 0.00 | (0.00,12.40) | 3 | 0.00 |
| ##Shaqra H | 16 | 0 | 0.00 | 3.33 | 0.00 | (0.00, 8.59) | 3 | 0.00 |
| ##Weisz G | 1 | 0 | 0.00 | 10.80 | 0.00 | (0.00,42.38) | . | . |
| ##Wiley J | 2 | 0 | 0.00 | 4.92 | 0.00 | (0.00,46.48) | 1 | 0.00 |
| All Others | 3 | 0 | 0.00 | 0.80 | 0.00 | (0.00,100.0) | . | . |
| TOTAL | 479 | 6 | 1.25 | 1.28 | 1.22 | (0.45, 2.65) | 386 | 0.78 |
| St. Catherine of Siena Medical Center | | | | | | | | |
| ##Deutsch E | 164 | 2 | 1.22 | 0.95 | 1.61 | (0.18, 5.81) | 134 | 0.88 |
| ##Franco J | 3 | 0 | 0.00 | 0.21 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| ##Happes M | 140 | 3 | 2.14 | 0.90 | 2.96 | (0.60, 8.65) | 115 | 1.04 |
| ##Hormozi S | 144 | 1 | 0.69 | 1.06 | 0.82 | (0.01, 4.56) | 122 | 0.83 |
| #Khan S | 100 | 4 | 4.00 | 1.59 | 3.15 | (0.85, 8.06) | 82 | 2.61 |
| ##Patel Neal | 13 | 0 | 0.00 | 0.83 | 0.00 | (0.00,42.34) | 10 | 0.00 |
| ##Patel R B | 88 | 0 | 0.00 | 1.71 | 0.00 | (0.00, 3.05) | 55 | 0.00 |
| #Rosenband M | 138 | 1 | 0.72 | 1.24 | 0.73 | (0.01, 4.06) | 120 | 0.73 |
| ##Weinstein J | 24 | 0 | 0.00 | 1.86 | 0.00 | (0.00,10.23) | 12 | 0.00 |
| TOTAL | 814 | 11 | 1.35 | 1.19 | 1.42 | (0.71, 2.53) | 653 | 1.10 |

Table 5, *continued*

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---|-------------|-----------|-------------|-------------|---------------|---------------------|---------------|---------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| St. Elizabeth Medical Center | | | | | | | | |
| Amponsah M | 227 | 7 | 3.08 | 1.83 | 2.10 | (0.84, 4.34) | 172 | 1.27 |
| Bhan R | 573 | 13 | 2.27 | 1.33 | 2.12 | (1.13, 3.63) | 463 | 1.22 |
| Kelberman M | 93 | 4 | 4.30 | 2.53 | 2.12 | (0.57, 5.42) | 59 | 3.80 |
| #Kozman H | 3 | 0 | 0.00 | 1.04 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Kumar P | 59 | 0 | 0.00 | 1.21 | 0.00 | (0.00, 6.43) | 52 | 0.00 |
| Maclsaac H | 513 | 16 | 3.12 | 1.97 | 1.98 | (1.13, 3.21) | 403 | 1.53 |
| Mathew T C | 160 | 2 | 1.25 | 1.41 | 1.10 | (0.12, 3.98) | 103 | 1.14 |
| Patel Ashok | 109 | 0 | 0.00 | 1.48 | 0.00 | (0.00, 2.83) | 56 | 0.00 |
| Sassower M | 701 | 9 | 1.28 | 1.23 | 1.30 | (0.60, 2.48) | 593 | 0.66 |
| Varma P | 121 | 3 | 2.48 | 1.46 | 2.12 | (0.43, 6.18) | 78 | 3.33 |
| All Others | 153 | 2 | 1.31 | 0.91 | 1.78 | (0.20, 6.44) | 133 | 1.24 |
| TOTAL | 2712 | 56 | 2.06 | 1.50 | 1.72 * | (1.30, 2.23) | 2114 | 1.25 * |
| St. Francis Hospital | | | | | | | | |
| Abittan M | 320 | 0 | 0.00 | 0.89 | 0.00 | (0.00, 1.61) | 309 | 0.00 |
| Berke A | 133 | 3 | 2.26 | 1.49 | 1.89 | (0.38, 5.51) | 121 | 1.96 |
| Chung W | 335 | 4 | 1.19 | 1.36 | 1.10 | (0.30, 2.81) | 293 | 1.12 |
| ##Deutsch E | 2 | 0 | 0.00 | 0.07 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Ezratty A | 202 | 1 | 0.50 | 1.33 | 0.47 | (0.01, 2.59) | 168 | 0.47 |
| #Friedman G | 340 | 3 | 0.88 | 0.99 | 1.11 | (0.22, 3.25) | 319 | 0.62 |
| Goldman A B | 36 | 2 | 5.56 | 2.13 | 3.26 | (0.37,11.77) | 18 | 0.00 |
| ##Grunwald A | 146 | 2 | 1.37 | 0.92 | 1.86 | (0.21, 6.71) | 111 | 1.97 |
| ##Hormozi S | 1 | 0 | 0.00 | 0.08 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Jeremias A | 315 | 2 | 0.63 | 1.61 | 0.49 | (0.06, 1.78) | 271 | 0.50 |
| ##Koss J | 5 | 0 | 0.00 | 1.52 | 0.00 | (0.00,60.36) | 4 | 0.00 |
| Lituchy A | 452 | 5 | 1.11 | 1.37 | 1.01 | (0.33, 2.36) | 415 | 0.41 |
| Madrid A | 205 | 4 | 1.95 | 1.38 | 1.77 | (0.48, 4.53) | 185 | 0.50 |
| Mezzafonte S | 335 | 0 | 0.00 | 1.41 | 0.00 ** | (0.00, 0.97) | 300 | 0.00 |
| Minadeo J | 151 | 4 | 2.65 | 1.39 | 2.38 | (0.64, 6.09) | 128 | 1.02 |
| #Moses J | 262 | 1 | 0.38 | 0.74 | 0.64 | (0.01, 3.58) | 260 | 0.45 |
| Oruci E | 189 | 2 | 1.06 | 1.37 | 0.96 | (0.11, 3.48) | 176 | 0.00 |
| Pappas T | 318 | 4 | 1.26 | 0.92 | 1.70 | (0.46, 4.36) | 306 | 1.15 |
| #Park C | 67 | 1 | 1.49 | 0.64 | 2.92 | (0.04,16.24) | 61 | 3.31 |
| ##Patcha R | 3 | 0 | 0.00 | 0.86 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Patel M | 103 | 0 | 0.00 | 1.07 | 0.00 | (0.00, 4.17) | 102 | 0.00 |
| ##Patel Neal | 2 | 0 | 0.00 | 0.11 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| #Petrossian G | 714 | 11 | 1.54 | 1.11 | 1.73 | (0.86, 3.10) | 705 | 1.20 |
| #Reddy K | 225 | 5 | 2.22 | 1.87 | 1.48 | (0.48, 3.46) | 193 | 1.26 |
| Shlofmitz R | 2958 | 14 | 0.47 | 0.70 | 0.85 | (0.46, 1.42) | 2900 | 0.59 |
| Tsiamtsiouris T | 343 | 7 | 2.04 | 1.46 | 1.74 | (0.70, 3.59) | 312 | 0.98 |
| ##Weinstein J | 28 | 0 | 0.00 | 0.55 | 0.00 | (0.00,29.52) | 27 | 0.00 |
| ##Yadav S | 213 | 5 | 2.35 | 1.37 | 2.15 | (0.69, 5.01) | 180 | 0.97 |
| TOTAL | 8403 | 80 | 0.95 | 1.05 | 1.13 | (0.90, 1.41) | 7872 | 0.73 |
| St. Josephs Hospital Health Center | | | | | | | | |
| #Amin N | 292 | 8 | 2.74 | 2.01 | 1.70 | (0.73, 3.35) | 189 | 1.17 |
| Caputo R | 1253 | 27 | 2.15 | 1.65 | 1.63 | (1.08, 2.38) | 963 | 1.17 |
| El-Khally Z | 1281 | 15 | 1.17 | 1.55 | 0.94 | (0.53, 1.55) | 1068 | 0.54 |
| Fischi M | 456 | 6 | 1.32 | 1.91 | 0.86 | (0.31, 1.87) | 296 | 0.00 |
| Iskander A | 1174 | 24 | 2.04 | 1.46 | 1.75 | (1.12, 2.60) | 966 | 1.50 * |
| #Kumar P | 24 | 0 | 0.00 | 0.22 | 0.00 | (0.00,85.70) | 24 | 0.00 |
| O'Hern M | 577 | 4 | 0.69 | 1.42 | 0.61 | (0.16, 1.56) | 426 | 0.17 |
| Ojutalayo O | 262 | 2 | 0.76 | 1.14 | 0.84 | (0.09, 3.03) | 194 | 0.47 |
| Simons A | 639 | 11 | 1.72 | 1.50 | 1.43 | (0.71, 2.56) | 406 | 0.77 |
| All Others | 2 | 0 | 0.00 | 0.45 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| TOTAL | 5960 | 97 | 1.63 | 1.56 | 1.30 | (1.05, 1.59) | 4534 | 0.85 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---|-------------|-----------|-------------|-------------|---------------|---------------------|---------------|---------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| St. Lukes Cornwall Hospital - Newburgh | | | | | | | | |
| #Cuomo L | 4 | 0 | 0.00 | 1.80 | 0.00 | (0.00,63.75) | 3 | 0.00 |
| ##Gotsis W | 4 | 0 | 0.00 | 4.10 | 0.00 | (0.00,27.88) | 3 | 0.00 |
| Hadid A | 296 | 8 | 2.70 | 1.68 | 2.00 | (0.86, 3.95) | 214 | 2.13 |
| #Hadid A B | 106 | 0 | 0.00 | 1.29 | 0.00 | (0.00, 3.34) | 68 | 0.00 |
| #Patrello A | 350 | 4 | 1.14 | 1.01 | 1.41 | (0.38, 3.61) | 303 | 1.21 |
| Shah N | 248 | 6 | 2.42 | 1.37 | 2.21 | (0.81, 4.81) | 197 | 1.91 |
| ##Silverman G | 3 | 0 | 0.00 | 0.91 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| All Others | 48 | 2 | 4.17 | 1.63 | 3.19 | (0.36,11.51) | 30 | 0.00 |
| TOTAL | 1059 | 20 | 1.89 | 1.35 | 1.74 | (1.06, 2.69) | 819 | 1.54 * |
| St. Peters Hospital | | | | | | | | |
| #Ali-Hasan S | 146 | 3 | 2.05 | 1.00 | 2.55 | (0.51, 7.46) | 90 | 0.00 |
| #Bishop G | 313 | 6 | 1.92 | 2.07 | 1.16 | (0.42, 2.52) | 188 | 0.36 |
| ##Delago A | 16 | 1 | 6.25 | 5.71 | 1.37 | (0.02, 7.60) | 2 | 0.00 |
| ##Esper D | 266 | 4 | 1.50 | 1.00 | 1.88 | (0.51, 4.82) | 233 | 1.15 |
| Khawaja H | 20 | 0 | 0.00 | 0.42 | 0.00 | (0.00,54.19) | 20 | 0.00 |
| ##Maroney J | 179 | 3 | 1.68 | 1.09 | 1.92 | (0.39, 5.60) | 145 | 2.33 |
| #Martinelli M | 568 | 9 | 1.58 | 1.07 | 1.84 | (0.84, 3.50) | 471 | 1.08 |
| ##Papaleo R | 12 | 1 | 8.33 | 0.99 | 10.55 | (0.14,58.72) | . | . |
| #Roccario E | 556 | 6 | 1.08 | 1.46 | 0.92 | (0.34, 2.01) | 445 | 0.70 |
| ##Winston B | 436 | 5 | 1.15 | 0.95 | 1.51 | (0.49, 3.52) | 377 | 1.37 |
| TOTAL | 2512 | 38 | 1.51 | 1.27 | 1.48 | (1.05, 2.04) | 1971 | 0.94 |
| Staten Island University Hospital- North | | | | | | | | |
| ##Duvvuri S | 127 | 2 | 1.57 | 0.68 | 2.88 | (0.32,10.38) | 122 | 2.02 |
| ##Farid A | 28 | 0 | 0.00 | 0.19 | 0.00 | (0.00,84.75) | 28 | 0.00 |
| ##Gala B | 21 | 2 | 9.52 | 1.34 | 8.86 | (1.00,32.00) | 19 | 5.27 |
| ##Hoyek W | 165 | 1 | 0.61 | 0.65 | 1.16 | (0.02, 6.47) | 131 | 2.34 |
| #Kandov R | 634 | 4 | 0.63 | 0.81 | 0.98 | (0.26, 2.50) | 550 | 0.93 |
| Malpeso J | 181 | 2 | 1.10 | 1.28 | 1.08 | (0.12, 3.89) | 126 | 0.97 |
| Maniatis G | 49 | 1 | 2.04 | 1.34 | 1.91 | (0.02,10.61) | 38 | 2.39 |
| #Royzman R | 287 | 3 | 1.05 | 1.31 | 1.00 | (0.20, 2.92) | 196 | 0.56 |
| #Snyder S | 153 | 2 | 1.31 | 1.05 | 1.55 | (0.17, 5.60) | 120 | 1.66 |
| #Swamy S | 4 | 0 | 0.00 | 0.27 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| #Tamburrino F | 403 | 2 | 0.50 | 0.69 | 0.90 | (0.10, 3.23) | 353 | 0.95 |
| #Warchol A | 42 | 0 | 0.00 | 0.43 | 0.00 | (0.00,25.30) | 42 | 0.00 |
| ##Zgheib M | 371 | 2 | 0.54 | 0.76 | 0.88 | (0.10, 3.19) | 341 | 0.85 |
| All Others | 39 | 0 | 0.00 | 0.88 | 0.00 | (0.00,13.41) | 22 | 0.00 |
| TOTAL | 2504 | 21 | 0.84 | 0.87 | 1.20 | (0.74, 1.83) | 2091 | 1.11 |
| Strong Memorial Hospital | | | | | | | | |
| Chaudhary I | 222 | 5 | 2.25 | 2.42 | 1.16 | (0.37, 2.71) | 107 | 0.84 |
| Cove C | 457 | 11 | 2.41 | 1.43 | 2.11 | (1.05, 3.77) | 310 | 1.26 |
| ##Doling M | 361 | 6 | 1.66 | 0.91 | 2.29 | (0.83, 4.98) | 280 | 1.94 |
| Garringer J | 326 | 5 | 1.53 | 0.86 | 2.23 | (0.72, 5.19) | 250 | 1.70 |
| Krishnamoorthy V | 523 | 9 | 1.72 | 1.50 | 1.43 | (0.65, 2.71) | 328 | 0.32 |
| Ling F | 427 | 10 | 2.34 | 1.53 | 1.92 | (0.92, 3.52) | 274 | 1.00 |
| Narins C | 569 | 5 | 0.88 | 1.26 | 0.87 | (0.28, 2.04) | 351 | 0.29 |
| Stuver T | 755 | 15 | 1.99 | 1.45 | 1.71 | (0.96, 2.82) | 541 | 0.57 |
| TOTAL | 3640 | 66 | 1.81 | 1.39 | 1.63 * | (1.26, 2.08) | 2441 | 0.89 |
| UHS - Wilson Medical Center | | | | | | | | |
| Ahmed O | 293 | 2 | 0.68 | 1.20 | 0.71 | (0.08, 2.56) | 215 | 0.00 |
| Kashou H | 652 | 5 | 0.77 | 1.08 | 0.89 | (0.29, 2.07) | 555 | 0.71 |
| Rehman A U | 68 | 2 | 2.94 | 2.80 | 1.31 | (0.15, 4.74) | 40 | 2.54 |
| Traverse P | 312 | 3 | 0.96 | 1.27 | 0.95 | (0.19, 2.76) | 219 | 0.00 |
| Vitellas M | 403 | 4 | 0.99 | 1.25 | 0.99 | (0.27, 2.53) | 318 | 0.74 |
| ##Yarkoni A | 365 | 5 | 1.37 | 1.50 | 1.14 | (0.37, 2.66) | 300 | 1.29 |
| TOTAL | 2093 | 21 | 1.00 | 1.29 | 0.97 | (0.60, 1.49) | 1647 | 0.75 |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---|-------------|-----------|-------------|-------------|---------------|---------------------|---------------|---------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Unity Hospital of Rochester | | | | | | | | |
| #Abtahian F | 44 | 0 | 0.00 | 1.72 | 0.00 | (0.00, 6.05) | 23 | 0.00 |
| #Ahmed A | 77 | 3 | 3.90 | 1.59 | 3.06 | (0.62, 8.95) | 40 | 1.87 |
| ##Chockalingam S | 89 | 5 | 5.62 | 1.93 | 3.63 | (1.17, 8.47) | 41 | 4.25 |
| #Depta J | 28 | 1 | 3.57 | 1.85 | 2.41 | (0.03,13.42) | 10 | 0.00 |
| #Gacioch G | 33 | 2 | 6.06 | 1.71 | 4.41 | (0.50,15.94) | 17 | 0.00 |
| #Hall C | 56 | 4 | 7.14 | 3.23 | 2.76 | (0.74, 7.06) | 38 | 1.85 |
| ##Ong L S | 1 | 0 | 0.00 | 0.05 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Patel T | 562 | 17 | 3.02 | 1.73 | 2.18 * | (1.27, 3.50) | 414 | 1.16 |
| #Singer G | 23 | 1 | 4.35 | 3.14 | 1.73 | (0.02, 9.60) | 16 | 2.13 |
| TOTAL | 913 | 33 | 3.61 | 1.86 | 2.42 * | (1.66, 3.40) | 600 | 1.45 |
| Univ. of Vermont Health Network CVP Hosp | | | | | | | | |
| Garrand T | 262 | 4 | 1.53 | 1.38 | 1.38 | (0.37, 3.53) | 185 | 0.90 |
| Gauthier E | 647 | 7 | 1.08 | 1.28 | 1.05 | (0.42, 2.17) | 442 | 1.08 |
| Ishac R | 898 | 10 | 1.11 | 1.34 | 1.04 | (0.50, 1.90) | 645 | 1.10 |
| All Others | 165 | 1 | 0.61 | 1.55 | 0.49 | (0.01, 2.72) | 125 | 0.63 |
| TOTAL | 1972 | 22 | 1.12 | 1.34 | 1.04 | (0.65, 1.57) | 1397 | 1.01 |
| University Hospital at Stony Brook | | | | | | | | |
| ##Bench T | 60 | 0 | 0.00 | 1.16 | 0.00 | (0.00, 6.59) | 49 | 0.00 |
| #Chen O | 156 | 5 | 3.21 | 1.62 | 2.47 | (0.80, 5.77) | 92 | 1.70 |
| Dervan J | 169 | 0 | 0.00 | 0.99 | 0.00 | (0.00, 2.75) | 160 | 0.00 |
| ##Franco J | 3 | 0 | 0.00 | 0.11 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| ##Gill K | 23 | 3 | 13.04 | 2.55 | 6.38 * | (1.28,18.63) | 23 | 4.68 * |
| ##Gruberg L | 405 | 6 | 1.48 | 1.61 | 1.15 | (0.42, 2.50) | 288 | 0.61 |
| #Jeremias A | 173 | 2 | 1.16 | 1.92 | 0.75 | (0.08, 2.72) | 115 | 0.00 |
| ##Joseph S | 67 | 1 | 1.49 | 1.59 | 1.17 | (0.02, 6.50) | 67 | 0.82 |
| #Khan S | 116 | 2 | 1.72 | 1.38 | 1.56 | (0.17, 5.61) | 112 | 0.55 |
| #Korlipara G | 276 | 2 | 0.72 | 0.68 | 1.34 | (0.15, 4.83) | 258 | 0.51 |
| Lawson W | 507 | 16 | 3.16 | 1.62 | 2.44 * | (1.39, 3.96) | 331 | 1.23 |
| ##Lederman S | 123 | 0 | 0.00 | 1.11 | 0.00 | (0.00, 3.36) | 111 | 0.00 |
| Mani A | 668 | 14 | 2.10 | 2.05 | 1.28 | (0.70, 2.14) | 477 | 0.76 |
| Montellese D | 114 | 1 | 0.88 | 1.09 | 1.00 | (0.01, 5.58) | 108 | 0.73 |
| Parikh P | 331 | 6 | 1.81 | 1.65 | 1.37 | (0.50, 2.99) | 195 | 0.74 |
| ##Patel Neal | 320 | 4 | 1.25 | 0.67 | 2.33 | (0.63, 5.96) | 297 | 0.46 |
| #Pulipati B | 27 | 0 | 0.00 | 1.20 | 0.00 | (0.00,14.10) | 27 | 0.00 |
| ##Pyo R | 222 | 6 | 2.70 | 2.05 | 1.64 | (0.60, 3.57) | 174 | 1.29 |
| #Rosenband M | 136 | 3 | 2.21 | 1.75 | 1.57 | (0.32, 4.59) | 126 | 0.93 |
| ##Weinstein J | 392 | 5 | 1.28 | 1.02 | 1.57 | (0.51, 3.66) | 364 | 1.20 |
| All Others | 3 | 0 | 0.00 | 2.48 | 0.00 | (0.00,61.50) | 3 | 0.00 |
| TOTAL | 4291 | 76 | 1.77 | 1.47 | 1.50 | (1.18, 1.88) | 3380 | 0.83 |
| University Hospital of Brooklyn | | | | | | | | |
| #Badero O | 6 | 0 | 0.00 | 1.67 | 0.00 | (0.00,45.79) | 6 | 0.00 |
| #Castillo R | 21 | 0 | 0.00 | 6.82 | 0.00 | (0.00, 3.20) | 1 | 0.00 |
| Cavusoglu E | 287 | 5 | 1.74 | 2.43 | 0.89 | (0.29, 2.09) | 196 | 0.62 |
| #Chadow H | 14 | 1 | 7.14 | 5.54 | 1.61 | (0.02, 8.95) | 1 | 0.00 |
| Dogar M | 116 | 3 | 2.59 | 1.85 | 1.74 | (0.35, 5.09) | 100 | 1.22 |
| Feit A | 148 | 3 | 2.03 | 2.15 | 1.18 | (0.24, 3.44) | 109 | 1.07 |
| #Hegde S | 120 | 3 | 2.50 | 2.44 | 1.28 | (0.26, 3.74) | 76 | 0.00 |
| John S | 62 | 2 | 3.23 | 2.20 | 1.83 | (0.21, 6.61) | 54 | 1.55 |
| Marmur J | 279 | 12 | 4.30 | 2.32 | 2.31 | (1.19, 4.04) | 176 | 1.60 |
| #Rehman A | 1 | 0 | 0.00 | 0.92 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Rehman S | 23 | 0 | 0.00 | 1.44 | 0.00 | (0.00,13.81) | 22 | 0.00 |
| #Shohat E | 1 | 0 | 0.00 | 0.09 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| All Others | 1 | 0 | 0.00 | 2.71 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| TOTAL | 1079 | 29 | 2.69 | 2.39 | 1.41 | (0.94, 2.02) | 744 | 0.97 |
| Upstate University Hospital - SUNY | | | | | | | | |
| Arasu P | 36 | 2 | 5.56 | 4.34 | 1.60 | (0.18, 5.77) | 4 | 0.00 |
| Chaudhuri D | 356 | 14 | 3.93 | 1.80 | 2.73 * | (1.49, 4.58) | 256 | 2.58 * |
| Ford T | 99 | 4 | 4.04 | 1.74 | 2.90 | (0.78, 7.43) | 39 | 1.68 |
| #Kozman H | 192 | 3 | 1.56 | 1.52 | 1.28 | (0.26, 3.75) | 111 | 0.82 |
| All Others | 35 | 1 | 2.86 | 0.89 | 4.03 | (0.05,22.42) | 24 | 0.00 |
| TOTAL | 718 | 24 | 3.34 | 1.80 | 2.32 * | (1.49, 3.45) | 434 | 1.96 * |

Table 5, continued

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-emergency | |
|---------------------------------------|---------------|-------------|-------------|-------------|-------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | Cases | RAMR |
| Vassar Brothers Medical Center | | | | | | | | |
| Gorwara S | 452 | 5 | 1.11 | 1.61 | 0.86 | (0.28, 2.00) | 336 | 0.24 |
| Jafar M | 949 | 12 | 1.26 | 1.54 | 1.03 | (0.53, 1.79) | 720 | 0.73 |
| Kantaros L | 333 | 4 | 1.20 | 1.35 | 1.11 | (0.30, 2.83) | 245 | 0.00 |
| Narayan R | 521 | 12 | 2.30 | 2.60 | 1.11 | (0.57, 1.93) | 397 | 1.01 |
| #Patrello A | 317 | 3 | 0.95 | 1.67 | 0.71 | (0.14, 2.07) | 256 | 0.37 |
| Yen M | 425 | 7 | 1.65 | 1.28 | 1.61 | (0.64, 3.32) | 318 | 1.72 |
| TOTAL | 2997 | 43 | 1.43 | 1.69 | 1.06 | (0.77, 1.43) | 2272 | 0.77 |
| Westchester Medical Center | | | | | | | | |
| Ahmad H | 253 | 7 | 2.77 | 2.14 | 1.61 | (0.65, 3.33) | 156 | 0.69 |
| ##Charney R | 14 | 0 | 0.00 | 0.17 | 0.00 | (0.00,100.0) | 13 | 0.00 |
| Cohen M B | 252 | 4 | 1.59 | 1.66 | 1.19 | (0.32, 3.05) | 165 | 1.30 |
| #Hadid A B | 1 | 0 | 0.00 | 0.25 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| #Kaple R | 189 | 7 | 3.70 | 1.93 | 2.40 | (0.96, 4.94) | 127 | 1.55 |
| ##Masud A | 5 | 0 | 0.00 | 0.98 | 0.00 | (0.00,93.13) | 4 | 0.00 |
| ##Messinger D | 6 | 0 | 0.00 | 0.50 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| #Naidu S | 133 | 2 | 1.50 | 2.16 | 0.87 | (0.10, 3.14) | 83 | 0.92 |
| Timmermans R | 264 | 7 | 2.65 | 1.69 | 1.95 | (0.78, 4.02) | 141 | 2.65 |
| All Others | 119 | 1 | 0.84 | 0.76 | 1.38 | (0.02, 7.65) | 104 | 1.18 |
| TOTAL | 1236 | 28 | 2.27 | 1.75 | 1.62 | (1.07, 2.34) | 800 | 1.31 |
| White Plains Hospital | | | | | | | | |
| ##Bliagos D | 744 | 7 | 0.94 | 1.18 | 1.00 | (0.40, 2.06) | 651 | 0.68 |
| ##Bortnick A | 1 | 0 | 0.00 | 0.79 | 0.00 | (0.00,100.0) | . | . |
| ##Celaj S | 3 | 0 | 0.00 | 1.24 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| ##Charney R | 195 | 3 | 1.54 | 1.17 | 1.64 | (0.33, 4.80) | 170 | 0.96 |
| ##Greenberg M | 311 | 5 | 1.61 | 1.27 | 1.58 | (0.51, 3.68) | 226 | 0.43 |
| ##Hjemdahl-Monsen C | 27 | 0 | 0.00 | 1.24 | 0.00 | (0.00,13.63) | 23 | 0.00 |
| ##Johnson M | 10 | 1 | 10.00 | 1.88 | 6.63 | (0.09,36.90) | 3 | 0.00 |
| ##Kalapatapu K | 78 | 0 | 0.00 | 0.73 | 0.00 | (0.00, 8.06) | 75 | 0.00 |
| #Menegus M | 2 | 0 | 0.00 | 4.92 | 0.00 | (0.00,46.57) | . | . |
| ##Messinger D | 166 | 6 | 3.61 | 1.52 | 2.97 | (1.09, 6.47) | 138 | 2.67 * |
| TOTAL | 1537 | 22 | 1.43 | 1.22 | 1.47 | (0.92, 2.22) | 1287 | 0.93 |
| Statewide Total | 153201 | 1912 | 1.25 | | | | 126287 | 0.83 |

* RAMR significantly higher than statewide rate based on 95 percent confidence interval.

** RAMR significantly lower than statewide rate based on 95 percent confidence interval.

Performed procedures in another NYS hospital.

Performed procedures in two or more other NYS hospitals.

Table 6**Summary Information for Cardiologists Practicing at More Than One Hospital, 2016-2018**

| | Cases | Deaths | All Cases | | | 95% CI for RAMR | Non-Emergency | |
|----------------------------|-------------|-----------|-------------|-------------|-------------|---------------------|---------------|-------------|
| | | | OMR | EMR | RAMR | | CASES | RAMR |
| Abtahian F | 422 | 6 | 1.42 | 1.65 | 1.08 | (0.39, 2.34) | 288 | 0.85 |
| Rochester General Hosp | 378 | 6 | 1.59 | 1.64 | 1.21 | (0.44, 2.63) | 265 | 0.88 |
| Unity Hospital | 44 | 0 | 0.00 | 1.72 | 0.00 | (0.00, 6.05) | 23 | 0.00 |
| Ahmed A | 598 | 8 | 1.34 | 1.53 | 1.09 | (0.47, 2.15) | 425 | 0.37 |
| Rochester General Hosp | 521 | 5 | 0.96 | 1.52 | 0.79 | (0.25, 1.84) | 385 | 0.21 |
| Unity Hospital | 77 | 3 | 3.90 | 1.59 | 3.06 | (0.62, 8.95) | 40 | 1.87 |
| Alhaddad B | 115 | 1 | 0.87 | 1.51 | 0.72 | (0.01, 4.00) | 74 | 0.00 |
| NYU Hospitals Center | 1 | 0 | 0.00 | 0.10 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 114 | 1 | 0.88 | 1.52 | 0.72 | (0.01, 4.01) | 73 | 0.00 |
| Ali Z | 480 | 6 | 1.25 | 1.84 | 0.85 | (0.31, 1.85) | 439 | 0.62 |
| NYP-Columbia Presby. | 459 | 6 | 1.31 | 1.73 | 0.94 | (0.35, 2.06) | 428 | 0.65 |
| NYP-Lawrence Hosp | 21 | 0 | 0.00 | 4.22 | 0.00 | (0.00, 5.17) | 11 | 0.00 |
| Ali-Hasan S | 227 | 4 | 1.76 | 0.84 | 2.62 | (0.70, 6.71) | 154 | 1.10 |
| Samaritan Hospital | 81 | 1 | 1.23 | 0.54 | 2.85 | (0.04,15.85) | 64 | 3.60 |
| St. Peters Hospital | 146 | 3 | 2.05 | 1.00 | 2.55 | (0.51, 7.46) | 90 | 0.00 |
| Amin N | 347 | 8 | 2.31 | 1.94 | 1.48 | (0.64, 2.92) | 225 | 1.02 |
| Arnot Ogden Med Ctr | 55 | 0 | 0.00 | 1.59 | 0.00 | (0.00, 5.25) | 36 | 0.00 |
| St. Josephs Hospital | 292 | 8 | 2.74 | 2.01 | 1.70 | (0.73, 3.35) | 189 | 1.17 |
| Amsalem Y | 399 | 11 | 2.76 | 1.63 | 2.12 | (1.05, 3.79) | 291 | 1.49 |
| BronxCare Health System | 16 | 0 | 0.00 | 1.37 | 0.00 | (0.00,20.94) | 12 | 0.00 |
| Montefiore - Moses | 301 | 9 | 2.99 | 1.59 | 2.35 | (1.07, 4.46) | 233 | 1.48 |
| Mount Sinai Morningside | 69 | 2 | 2.90 | 1.73 | 2.09 | (0.23, 7.55) | 43 | 2.70 |
| St. Barnabas Hospital | 13 | 0 | 0.00 | 2.28 | 0.00 | (0.00,15.45) | 3 | 0.00 |
| Apfelbaum M | 89 | 1 | 1.12 | 1.04 | 1.35 | (0.02, 7.52) | 56 | 0.00 |
| NYP-Columbia Presby. | 24 | 0 | 0.00 | 0.36 | 0.00 | (0.00,53.42) | 24 | 0.00 |
| NYP-Lawrence Hosp | 65 | 1 | 1.54 | 1.29 | 1.49 | (0.02, 8.29) | 32 | 0.00 |
| Aslam A F | 293 | 3 | 1.02 | 0.70 | 1.82 | (0.37, 5.32) | 270 | 0.00 |
| Mount Sinai Beth Israel | 130 | 3 | 2.31 | 1.06 | 2.71 | (0.54, 7.91) | 110 | 0.00 |
| NYP-Brooklyn Methodist | 163 | 0 | 0.00 | 0.41 | 0.00 | (0.00, 6.81) | 160 | 0.00 |
| Aslam A K | 314 | 0 | 0.00 | 0.26 | 0.00 | (0.00, 5.54) | 313 | 0.00 |
| Mount Sinai Beth Israel | 229 | 0 | 0.00 | 0.19 | 0.00 | (0.00,10.49) | 229 | 0.00 |
| NYP-Brooklyn Methodist | 85 | 0 | 0.00 | 0.46 | 0.00 | (0.00,11.74) | 84 | 0.00 |
| Attubato M | 1410 | 9 | 0.64 | 0.71 | 1.12 | (0.51, 2.12) | 1325 | 0.79 |
| Bellevue Hospital Ctr | 7 | 0 | 0.00 | 3.11 | 0.00 | (0.00,21.05) | 1 | 0.00 |
| NYU Hospitals Center | 1403 | 9 | 0.64 | 0.70 | 1.14 | (0.52, 2.16) | 1324 | 0.79 |
| Babaev A | 800 | 4 | 0.50 | 0.52 | 1.21 | (0.32, 3.09) | 778 | 0.78 |
| Bellevue Hospital Ctr | 8 | 1 | 12.50 | 5.69 | 2.74 | (0.04,15.25) | 1 | 0.00 |
| NYU Hospitals Center | 792 | 3 | 0.38 | 0.47 | 1.02 | (0.20, 2.97) | 777 | 0.79 |
| Badero O | 128 | 0 | 0.00 | 0.39 | 0.00 | (0.00, 9.12) | 128 | 0.00 |
| NYP-Brooklyn Methodist | 122 | 0 | 0.00 | 0.33 | 0.00 | (0.00,11.39) | 122 | 0.00 |
| Univ. Hosp-Brooklyn | 6 | 0 | 0.00 | 1.67 | 0.00 | (0.00,45.79) | 6 | 0.00 |
| Bagga R | 748 | 8 | 1.07 | 0.87 | 1.53 | (0.66, 3.02) | 661 | 1.47 |
| Huntington Hospital | 696 | 8 | 1.15 | 0.91 | 1.57 | (0.68, 3.10) | 609 | 1.54 |
| NYU Winthrop Hospital | 34 | 0 | 0.00 | 0.30 | 0.00 | (0.00,44.45) | 34 | 0.00 |
| South Shore Univ. Hosp | 18 | 0 | 0.00 | 0.30 | 0.00 | (0.00,84.75) | 18 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|-----------------------------|-------------|-----------|-------------|-------------|-------------|----------------------------------|------------|---------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Bangalore S | 524 | 14 | 2.67 | 2.14 | 1.56 | (0.85, 2.62) | 447 | 1.02 |
| Bellevue Hospital Ctr | 472 | 14 | 2.97 | 2.26 | 1.64 | (0.90, 2.75) | 405 | 1.08 |
| NYU Hospitals Center | 52 | 0 | 0.00 | 1.06 | 0.00 | (0.00, 8.31) | 42 | 0.00 |
| Barman N | 275 | 5 | 1.82 | 1.88 | 1.21 | (0.39, 2.82) | 208 | 1.47 |
| Elmhurst Hospital Ctr | 38 | 0 | 0.00 | 3.04 | 0.00 | (0.00, 3.96) | 2 | 0.00 |
| Mount Sinai Hospital | 237 | 5 | 2.11 | 1.69 | 1.56 | (0.50, 3.64) | 206 | 1.48 |
| Bench T | 196 | 1 | 0.51 | 1.22 | 0.52 | (0.01, 2.90) | 154 | 0.00 |
| Long Island Comm. Hosp. | 81 | 0 | 0.00 | 1.05 | 0.00 | (0.00, 5.39) | 61 | 0.00 |
| South Shore Univ. Hosp | 3 | 0 | 0.00 | 0.10 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Southampton Hospital | 52 | 1 | 1.92 | 1.64 | 1.47 | (0.02, 8.17) | 41 | 0.00 |
| Univ. Hosp-Stony Brook | 60 | 0 | 0.00 | 1.16 | 0.00 | (0.00, 6.59) | 49 | 0.00 |
| Bishop G | 337 | 7 | 2.08 | 2.05 | 1.26 | (0.51, 2.61) | 197 | 0.69 |
| Samaritan Hospital | 24 | 1 | 4.17 | 1.83 | 2.85 | (0.04,15.84) | 9 | 9.82 |
| St. Peters Hospital | 313 | 6 | 1.92 | 2.07 | 1.16 | (0.42, 2.52) | 188 | 0.36 |
| Bliagos D | 963 | 7 | 0.73 | 1.16 | 0.78 | (0.31, 1.61) | 860 | 0.44 |
| Montefiore - Moses | 174 | 0 | 0.00 | 1.02 | 0.00 | (0.00, 2.57) | 164 | 0.00 |
| Mount Sinai Hospital | 41 | 0 | 0.00 | 1.54 | 0.00 | (0.00, 7.26) | 41 | 0.00 |
| NYP-Columbia Presby. | 4 | 0 | 0.00 | 0.20 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| White Plains Hospital | 744 | 7 | 0.94 | 1.18 | 1.00 | (0.40, 2.06) | 651 | 0.68 |
| Blumenthal S | 104 | 0 | 0.00 | 0.37 | 0.00 | (0.00,11.92) | 104 | 0.00 |
| NYU Winthrop Hospital | 1 | 0 | 0.00 | 0.68 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| North Shore Univ Hosp | 103 | 0 | 0.00 | 0.37 | 0.00 | (0.00,12.14) | 103 | 0.00 |
| Bortnick A | 349 | 6 | 1.72 | 1.67 | 1.28 | (0.47, 2.79) | 272 | 0.97 |
| Montefiore - Moses | 17 | 1 | 5.88 | 1.72 | 4.28 | (0.06,23.80) | 15 | 0.00 |
| Montefiore - Weiler | 326 | 5 | 1.53 | 1.69 | 1.13 | (0.37, 2.65) | 253 | 1.00 |
| St. Barnabas Hospital | 5 | 0 | 0.00 | 0.76 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| White Plains Hospital | 1 | 0 | 0.00 | 0.79 | 0.00 | (0.00,100.0) | . | . |
| Boutis L | 1072 | 17 | 1.59 | 1.23 | 1.61 | (0.94, 2.58) | 907 | 1.53 * |
| Long Island Jewish MC | 26 | 0 | 0.00 | 2.36 | 0.00 | (0.00, 7.45) | 6 | 0.00 |
| North Shore Univ Hosp | 1046 | 17 | 1.63 | 1.20 | 1.69 | (0.98, 2.71) | 901 | 1.54 * |
| Caselnova R | 531 | 4 | 0.75 | 1.22 | 0.77 | (0.21, 1.97) | 472 | 0.57 |
| Good Sam-West Islip | 477 | 3 | 0.63 | 1.15 | 0.68 | (0.14, 2.00) | 443 | 0.60 |
| NYU Winthrop Hospital | 21 | 0 | 0.00 | 0.92 | 0.00 | (0.00,23.76) | 19 | 0.00 |
| South Shore Univ. Hosp | 33 | 1 | 3.03 | 2.50 | 1.52 | (0.02, 8.43) | 10 | 0.00 |
| Castillo R | 317 | 8 | 2.52 | 2.36 | 1.34 | (0.58, 2.63) | 221 | 0.88 |
| Brookdale Univ Hosp Med Ctr | 296 | 8 | 2.70 | 2.04 | 1.65 | (0.71, 3.26) | 220 | 0.88 |
| Univ. Hosp-Brooklyn | 21 | 0 | 0.00 | 6.82 | 0.00 | (0.00, 3.20) | 1 | 0.00 |
| Celaj S | 783 | 7 | 0.89 | 1.20 | 0.93 | (0.37, 1.91) | 650 | 0.59 |
| BronxCare Health System | 49 | 1 | 2.04 | 2.37 | 1.08 | (0.01, 5.99) | 7 | 19.18 |
| Montefiore - Moses | 324 | 1 | 0.31 | 1.19 | 0.32 | (0.00, 1.80) | 277 | 0.31 |
| St. Barnabas Hospital | 407 | 5 | 1.23 | 1.07 | 1.43 | (0.46, 3.33) | 365 | 0.57 |
| White Plains Hospital | 3 | 0 | 0.00 | 1.24 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Chadow H | 217 | 3 | 1.38 | 2.53 | 0.68 | (0.14, 1.99) | 145 | 0.00 |
| Brookdale Univ Hosp Med Ctr | 203 | 2 | 0.99 | 2.33 | 0.53 | (0.06, 1.91) | 144 | 0.00 |
| Univ. Hosp-Brooklyn | 14 | 1 | 7.14 | 5.54 | 1.61 | (0.02, 8.95) | 1 | 0.00 |
| Charney R | 318 | 6 | 1.89 | 1.17 | 2.02 | (0.74, 4.39) | 292 | 1.46 |
| Montefiore - Moses | 5 | 0 | 0.00 | 0.38 | 0.00 | (0.00,100.0) | 5 | 0.00 |
| Montefiore - Weiler | 104 | 3 | 2.88 | 1.34 | 2.69 | (0.54, 7.87) | 104 | 1.81 |
| Westchester Med Ctr | 14 | 0 | 0.00 | 0.17 | 0.00 | (0.00,100.0) | 13 | 0.00 |
| White Plains Hospital | 195 | 3 | 1.54 | 1.17 | 1.64 | (0.33, 4.80) | 170 | 0.96 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|-------------------------|------------|-----------|-------------|-------------|---------------|----------------------------------|------------|---------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Chaudhry E | 91 | 2 | 2.20 | 1.16 | 2.37 | (0.27, 8.56) | 66 | 3.12 |
| Mercy Hospital-Buffalo | 77 | 2 | 2.60 | 1.30 | 2.50 | (0.28, 9.02) | 54 | 3.39 |
| Niagara Falls Memorial | 14 | 0 | 0.00 | 0.39 | 0.00 | (0.00,84.15) | 12 | 0.00 |
| Chavarria N | 156 | 1 | 0.64 | 1.08 | 0.74 | (0.01, 4.11) | 121 | 1.02 |
| Montefiore - Moses | 152 | 1 | 0.66 | 1.08 | 0.76 | (0.01, 4.25) | 119 | 1.04 |
| St. Barnabas Hospital | 4 | 0 | 0.00 | 1.35 | 0.00 | (0.00,84.73) | 2 | 0.00 |
| Chen O | 193 | 5 | 2.59 | 1.38 | 2.34 | (0.75, 5.45) | 127 | 1.49 |
| Maimonides Medical Ctr | 37 | 0 | 0.00 | 0.40 | 0.00 | (0.00,30.64) | 35 | 0.00 |
| Univ. Hosp-Stony Brook | 156 | 5 | 3.21 | 1.62 | 2.47 | (0.80, 5.77) | 92 | 1.70 |
| Chengot T | 248 | 6 | 2.42 | 1.40 | 2.16 | (0.79, 4.71) | 205 | 1.67 |
| Good Sam-West Islip | 184 | 3 | 1.63 | 1.30 | 1.57 | (0.31, 4.58) | 154 | 1.50 |
| NYU Winthrop Hospital | 62 | 3 | 4.84 | 1.70 | 3.55 | (0.71,10.39) | 50 | 2.18 |
| South Shore Univ. Hosp | 2 | 0 | 0.00 | 0.92 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Chockalingam S | 247 | 8 | 3.24 | 1.66 | 2.43 | (1.05, 4.79) | 167 | 1.63 |
| Olean General Hosp. | 34 | 0 | 0.00 | 2.99 | 0.00 | (0.00, 4.50) | 17 | 0.00 |
| Rochester General Hosp | 124 | 3 | 2.42 | 1.11 | 2.73 | (0.55, 7.98) | 109 | 0.81 |
| Unity Hospital | 89 | 5 | 5.62 | 1.93 | 3.63 | (1.17, 8.47) | 41 | 4.25 |
| Conley J | 746 | 6 | 0.80 | 0.78 | 1.28 | (0.47, 2.80) | 619 | 0.31 |
| Buffalo General Med Ctr | 487 | 5 | 1.03 | 0.91 | 1.41 | (0.45, 3.29) | 377 | 0.00 |
| Mercy Hospital-Buffalo | 154 | 1 | 0.65 | 0.52 | 1.55 | (0.02, 8.62) | 151 | 1.10 |
| Niagara Falls Memorial | 105 | 0 | 0.00 | 0.56 | 0.00 | (0.00, 7.72) | 91 | 0.00 |
| Coppola J | 305 | 4 | 1.31 | 1.16 | 1.41 | (0.38, 3.62) | 262 | 0.77 |
| Bellevue Hospital Ctr | 173 | 4 | 2.31 | 1.59 | 1.82 | (0.49, 4.66) | 141 | 1.01 |
| NYU Hospitals Center | 132 | 0 | 0.00 | 0.60 | 0.00 | (0.00, 5.81) | 121 | 0.00 |
| Coven D | 128 | 1 | 0.78 | 1.30 | 0.75 | (0.01, 4.16) | 75 | 1.99 |
| Jamaica Hosp Med Ctr | 64 | 1 | 1.56 | 1.41 | 1.39 | (0.02, 7.72) | 26 | 3.74 |
| Lenox Hill Hospital | 63 | 0 | 0.00 | 1.22 | 0.00 | (0.00, 5.96) | 48 | 0.00 |
| South Shore Univ. Hosp | 1 | 0 | 0.00 | 0.25 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Cuomo L | 217 | 1 | 0.46 | 1.63 | 0.35 | (0.00, 1.97) | 125 | 0.71 |
| Garnet Health Med Ctr | 213 | 1 | 0.47 | 1.62 | 0.36 | (0.00, 2.01) | 122 | 0.72 |
| St. Lukes Cornwall Hosp | 4 | 0 | 0.00 | 1.80 | 0.00 | (0.00,63.75) | 3 | 0.00 |
| Dashkoff N | 441 | 4 | 0.91 | 1.23 | 0.92 | (0.25, 2.36) | 329 | 0.37 |
| Buffalo General Med Ctr | 348 | 4 | 1.15 | 1.16 | 1.23 | (0.33, 3.16) | 267 | 0.48 |
| Niagara Falls Memorial | 93 | 0 | 0.00 | 1.47 | 0.00 | (0.00, 3.35) | 62 | 0.00 |
| David M | 331 | 1 | 0.30 | 0.27 | 1.39 | (0.02, 7.73) | 331 | 0.89 |
| NYP-Queens | 12 | 0 | 0.00 | 0.21 | 0.00 | (0.00,100.0) | 12 | 0.00 |
| NYU Hospitals Center | 319 | 1 | 0.31 | 0.27 | 1.43 | (0.02, 7.96) | 319 | 0.92 |
| Delago A | 531 | 16 | 3.01 | 1.65 | 2.28 * | (1.30, 3.71) | 426 | 1.88 * |
| Albany Med. Ctr | 497 | 15 | 3.02 | 1.48 | 2.54 * | (1.42, 4.19) | 423 | 1.90 * |
| Samaritan Hospital | 18 | 0 | 0.00 | 2.63 | 0.00 | (0.00, 9.66) | 1 | 0.00 |
| St. Peters Hospital | 16 | 1 | 6.25 | 5.71 | 1.37 | (0.02, 7.60) | 2 | 0.00 |
| Depta J | 259 | 6 | 2.32 | 1.48 | 1.95 | (0.71, 4.24) | 186 | 0.78 |
| Rochester General Hosp | 231 | 5 | 2.16 | 1.44 | 1.88 | (0.60, 4.38) | 176 | 0.84 |
| Unity Hospital | 28 | 1 | 3.57 | 1.85 | 2.41 | (0.03,13.42) | 10 | 0.00 |
| Deutsch E | 905 | 8 | 0.88 | 0.71 | 1.54 | (0.66, 3.04) | 823 | 0.96 |
| Good Sam-West Islip | 662 | 5 | 0.76 | 0.58 | 1.63 | (0.52, 3.80) | 629 | 1.14 |
| South Shore Univ. Hosp | 77 | 1 | 1.30 | 1.40 | 1.16 | (0.02, 6.43) | 58 | 0.00 |
| St. Catherine of Siena | 164 | 2 | 1.22 | 0.95 | 1.61 | (0.18, 5.81) | 134 | 0.88 |
| St. Francis Hospital | 2 | 0 | 0.00 | 0.07 | 0.00 | (0.00,100.0) | 2 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency | CASES | RAMR |
|----------------------------|-------------|-----------|-------------|-------------|--------------|---------------------|-------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | 95% CI for RAMR | | |
| Dhama B | 93 | 0 | 0.00 | 0.74 | 0.00 | (0.00, 6.63) | 85 | 0.00 |
| Long Island Jewish MC | 73 | 0 | 0.00 | 0.65 | 0.00 | (0.00, 9.59) | 68 | 0.00 |
| North Shore Univ Hosp | 20 | 0 | 0.00 | 1.07 | 0.00 | (0.00,21.45) | 17 | 0.00 |
| Doling M | 371 | 6 | 1.62 | 0.90 | 2.24 | (0.82, 4.87) | 290 | 1.87 |
| Arnot Ogden Med Ctr | 7 | 0 | 0.00 | 0.85 | 0.00 | (0.00,77.36) | 7 | 0.00 |
| Rochester General Hosp | 3 | 0 | 0.00 | 0.41 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Strong Memorial Hosp | 361 | 6 | 1.66 | 0.91 | 2.29 | (0.83, 4.98) | 280 | 1.94 |
| Dominguez A | 253 | 0 | 0.00 | 0.69 | 0.00 | (0.00, 2.61) | 252 | 0.00 |
| Lenox Hill Hospital | 154 | 0 | 0.00 | 0.40 | 0.00 | (0.00, 7.36) | 154 | 0.00 |
| Mount Sinai Hospital | 52 | 0 | 0.00 | 0.55 | 0.00 | (0.00,16.05) | 52 | 0.00 |
| NYP-Brooklyn Methodist | 6 | 0 | 0.00 | 1.66 | 0.00 | (0.00,45.96) | 6 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 41 | 0 | 0.00 | 1.83 | 0.00 | (0.00, 6.10) | 40 | 0.00 |
| Duvvuri S | 324 | 3 | 0.93 | 0.75 | 1.54 | (0.31, 4.49) | 290 | 1.48 |
| Mount Sinai Hospital | 18 | 0 | 0.00 | 0.26 | 0.00 | (0.00,96.87) | 18 | 0.00 |
| Richmond Univ Med Cntr | 179 | 1 | 0.56 | 0.85 | 0.82 | (0.01, 4.57) | 150 | 1.02 |
| Staten Island Univ Hosp | 127 | 2 | 1.57 | 0.68 | 2.88 | (0.32,10.38) | 122 | 2.02 |
| Esper D | 526 | 14 | 2.66 | 1.29 | 2.57* | (1.40, 4.31) | 436 | 1.62 |
| Albany Med. Ctr | 241 | 7 | 2.90 | 1.19 | 3.05 | (1.22, 6.29) | 202 | 2.05 |
| Samaritan Hospital | 19 | 3 | 15.79 | 6.75 | 2.92 | (0.59, 8.53) | 1 | 0.00 |
| St. Peters Hospital | 266 | 4 | 1.50 | 1.00 | 1.88 | (0.51, 4.82) | 233 | 1.15 |
| Farhi E | 737 | 9 | 1.22 | 1.24 | 1.23 | (0.56, 2.33) | 521 | 0.89 |
| Buffalo General Med Ctr | 730 | 9 | 1.23 | 1.24 | 1.24 | (0.57, 2.36) | 520 | 0.89 |
| Niagara Falls Memorial | 1 | 0 | 0.00 | 3.51 | 0.00 | (0.00,100.0) | . | . |
| Olean General Hosp. | 6 | 0 | 0.00 | 1.65 | 0.00 | (0.00,46.14) | 1 | 0.00 |
| Farid A | 199 | 0 | 0.00 | 0.26 | 0.00 | (0.00, 8.87) | 197 | 0.00 |
| NYU Hospitals Center | 167 | 0 | 0.00 | 0.27 | 0.00 | (0.00,10.16) | 167 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 2 | 0 | 0.00 | 0.46 | 0.00 | (0.00,100.0) | . | . |
| Richmond Univ Med Cntr | 2 | 0 | 0.00 | 0.13 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Staten Island Univ Hosp | 28 | 0 | 0.00 | 0.19 | 0.00 | (0.00,84.75) | 28 | 0.00 |
| Fernaine G | 316 | 5 | 1.58 | 1.24 | 1.59 | (0.51, 3.71) | 273 | 1.70 |
| Lenox Hill Hospital | 3 | 0 | 0.00 | 0.09 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| NYU Hospitals Center | 39 | 1 | 2.56 | 0.40 | 8.00 | (0.10,44.51) | 39 | 5.22 |
| NYU Langone Hosp.-Brooklyn | 274 | 4 | 1.46 | 1.38 | 1.32 | (0.36, 3.39) | 231 | 1.46 |
| Fox J | 1162 | 13 | 1.12 | 1.22 | 1.15 | (0.61, 1.96) | 1074 | 0.73 |
| Mount Sinai Beth Israel | 1161 | 13 | 1.12 | 1.22 | 1.15 | (0.61, 1.96) | 1073 | 0.73 |
| Mount Sinai Morningside | 1 | 0 | 0.00 | 1.61 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Franco J | 94 | 1 | 1.06 | 0.38 | 3.47 | (0.05,19.33) | 84 | 0.00 |
| Good Sam-West Islip | 2 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Long Island Comm. Hosp. | 79 | 1 | 1.27 | 0.37 | 4.22 | (0.06,23.49) | 71 | 0.00 |
| NYU Winthrop Hospital | 4 | 0 | 0.00 | 0.78 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| South Shore Univ. Hosp | 1 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Southampton Hospital | 2 | 0 | 0.00 | 0.56 | 0.00 | (0.00,100.0) | . | . |
| St. Catherine of Siena | 3 | 0 | 0.00 | 0.21 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Univ. Hosp-Stony Brook | 3 | 0 | 0.00 | 0.11 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Friedman G | 396 | 3 | 0.76 | 0.90 | 1.05 | (0.21, 3.07) | 375 | 0.58 |
| North Shore Univ Hosp | 56 | 0 | 0.00 | 0.35 | 0.00 | (0.00,23.50) | 56 | 0.00 |
| St. Francis Hospital | 340 | 3 | 0.88 | 0.99 | 1.11 | (0.22, 3.25) | 319 | 0.62 |
| Fuschetto D | 136 | 1 | 0.74 | 1.07 | 0.86 | (0.01, 4.78) | 106 | 0.00 |
| Long Island Jewish MC | 74 | 0 | 0.00 | 0.58 | 0.00 | (0.00,10.64) | 72 | 0.00 |
| Maimonides Medical Ctr | 1 | 0 | 0.00 | 1.31 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 34 | 1 | 2.94 | 2.43 | 1.51 | (0.02, 8.40) | 8 | 0.00 |
| North Shore Univ Hosp | 27 | 0 | 0.00 | 0.67 | 0.00 | (0.00,25.13) | 25 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|----------------------------|------------|-----------|-------------|-------------|---------------|----------------------------------|------------|---------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Fuschetto O | 95 | 1 | 1.05 | 1.86 | 0.71 | (0.01, 3.94) | 64 | 0.00 |
| Long Island Jewish MC | 24 | 0 | 0.00 | 0.97 | 0.00 | (0.00,19.73) | 23 | 0.00 |
| Maimonides Medical Ctr | 2 | 0 | 0.00 | 0.33 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 57 | 1 | 1.75 | 2.30 | 0.95 | (0.01, 5.30) | 28 | 0.00 |
| North Shore Univ Hosp | 11 | 0 | 0.00 | 1.49 | 0.00 | (0.00,27.97) | 11 | 0.00 |
| Richmond Univ Med Cntr | 1 | 0 | 0.00 | 5.20 | 0.00 | (0.00,88.07) | . | . |
| Gacioch G | 277 | 5 | 1.81 | 1.29 | 1.75 | (0.56, 4.08) | 188 | 0.00 |
| Rochester General Hosp | 244 | 3 | 1.23 | 1.23 | 1.25 | (0.25, 3.64) | 171 | 0.00 |
| Unity Hospital | 33 | 2 | 6.06 | 1.71 | 4.41 | (0.50,15.94) | 17 | 0.00 |
| Gade C | 10 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 9 | 0.00 |
| NYP-Weill Cornell | 8 | 0 | 0.00 | 0.22 | 0.00 | (0.00,100.0) | 8 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 2 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Gala B | 176 | 5 | 2.84 | 1.76 | 2.02 | (0.65, 4.70) | 132 | 1.72 |
| Maimonides Medical Ctr | 1 | 0 | 0.00 | 3.84 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Richmond Univ Med Cntr | 154 | 3 | 1.95 | 1.80 | 1.35 | (0.27, 3.94) | 112 | 1.07 |
| Staten Island Univ Hosp | 21 | 2 | 9.52 | 1.34 | 8.86 | (1.00,32.00) | 19 | 5.27 |
| Galler B | 102 | 1 | 0.98 | 0.82 | 1.50 | (0.02, 8.34) | 101 | 1.07 |
| NYU Winthrop Hospital | 48 | 0 | 0.00 | 0.66 | 0.00 | (0.00,14.37) | 47 | 0.00 |
| North Shore Univ Hosp | 46 | 1 | 2.17 | 1.00 | 2.72 | (0.04,15.15) | 46 | 1.88 |
| South Shore Univ. Hosp | 8 | 0 | 0.00 | 0.70 | 0.00 | (0.00,82.21) | 8 | 0.00 |
| Gambino A | 716 | 8 | 1.12 | 1.18 | 1.18 | (0.51, 2.32) | 630 | 0.86 |
| Long Island Comm. Hosp. | 22 | 0 | 0.00 | 0.58 | 0.00 | (0.00,36.07) | 20 | 0.00 |
| NYU Winthrop Hospital | 694 | 8 | 1.15 | 1.20 | 1.20 | (0.52, 2.36) | 610 | 0.88 |
| Gandotra P | 688 | 9 | 1.31 | 1.10 | 1.49 | (0.68, 2.83) | 617 | 1.27 |
| Good Sam-West Islip | 66 | 1 | 1.52 | 1.14 | 1.66 | (0.02, 9.25) | 65 | 1.14 |
| South Shore Univ. Hosp | 622 | 8 | 1.29 | 1.09 | 1.47 | (0.63, 2.90) | 552 | 1.30 |
| Garyali S | 32 | 0 | 0.00 | 0.79 | 0.00 | (0.00,18.09) | 25 | 0.00 |
| Brooklyn Hosp.Downtown | 20 | 0 | 0.00 | 1.16 | 0.00 | (0.00,19.78) | 13 | 0.00 |
| Maimonides Medical Ctr | 12 | 0 | 0.00 | 0.18 | 0.00 | (0.00,100.0) | 12 | 0.00 |
| Gelormini J | 686 | 10 | 1.46 | 1.26 | 1.45 | (0.69, 2.66) | 535 | 1.12 |
| Mercy Hospital-Buffalo | 683 | 10 | 1.46 | 1.26 | 1.45 | (0.70, 2.67) | 533 | 1.13 |
| Niagara Falls Memorial | 3 | 0 | 0.00 | 0.93 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Gill K | 136 | 6 | 4.41 | 1.19 | 4.62 * | (1.69,10.05) | 113 | 3.34 * |
| Arnot Ogden Med Ctr | 52 | 3 | 5.77 | 1.02 | 7.06 * | (1.42,20.63) | 37 | 4.86 |
| Long Island Comm. Hosp. | 61 | 0 | 0.00 | 0.83 | 0.00 | (0.00, 9.08) | 53 | 0.00 |
| Univ. Hosp-Stony Brook | 23 | 3 | 13.04 | 2.55 | 6.38 * | (1.28,18.63) | 23 | 4.68 * |
| Gotsis W | 944 | 12 | 1.27 | 1.13 | 1.41 | (0.73, 2.46) | 778 | 1.23 |
| Garnet Health Med Ctr | 747 | 10 | 1.34 | 1.08 | 1.55 | (0.74, 2.85) | 593 | 1.48 |
| Good Sam - Suffern | 1 | 0 | 0.00 | 1.42 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Montefiore - Moses | 150 | 0 | 0.00 | 1.24 | 0.00 | (0.00, 2.45) | 140 | 0.00 |
| Montefiore - Weiler | 2 | 1 | 50.00 | 0.95 | 65.93 | (0.86,100.0) | 2 | 45.71 |
| Mount Sinai Morningside | 40 | 1 | 2.50 | 1.31 | 2.38 | (0.03,13.25) | 39 | 1.56 |
| St. Lukes Cornwall Hosp | 4 | 0 | 0.00 | 4.10 | 0.00 | (0.00,27.88) | 3 | 0.00 |
| Gowda R | 598 | 7 | 1.17 | 1.57 | 0.93 | (0.37, 1.91) | 489 | 0.55 |
| Mount Sinai Beth Israel | 534 | 3 | 0.56 | 1.36 | 0.51 | (0.10, 1.50) | 454 | 0.46 |
| Mount Sinai Morningside | 64 | 4 | 6.25 | 3.33 | 2.34 | (0.63, 5.99) | 35 | 1.35 |
| Green P | 297 | 6 | 2.02 | 1.37 | 1.85 | (0.67, 4.02) | 254 | 1.27 |
| Garnet Health Med Ctr | 1 | 0 | 0.00 | 5.29 | 0.00 | (0.00,86.51) | 1 | 0.00 |
| NYP-Columbia Presby. | 270 | 6 | 2.22 | 1.23 | 2.25 | (0.82, 4.89) | 239 | 1.34 |
| NYP-Lawrence Hosp | 26 | 0 | 0.00 | 2.57 | 0.00 | (0.00, 6.85) | 14 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|--------------------------|------------|-----------|-------------|-------------|-------------|----------------------------------|------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Greenberg M | 653 | 5 | 0.77 | 0.91 | 1.05 | (0.34, 2.45) | 553 | 0.24 |
| Montefiore - Moses | 299 | 0 | 0.00 | 0.59 | 0.00 | (0.00, 2.58) | 288 | 0.00 |
| Montefiore - Weiler | 41 | 0 | 0.00 | 0.46 | 0.00 | (0.00,24.52) | 38 | 0.00 |
| St. Barnabas Hospital | 2 | 0 | 0.00 | 0.61 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| White Plains Hospital | 311 | 5 | 1.61 | 1.27 | 1.58 | (0.51, 3.68) | 226 | 0.43 |
| Grella R | 239 | 5 | 2.09 | 1.31 | 2.00 | (0.64, 4.66) | 171 | 2.30 |
| Arnot Ogden Med Ctr | 156 | 2 | 1.28 | 1.25 | 1.28 | (0.14, 4.62) | 121 | 0.94 |
| Saratoga Hospital | 83 | 3 | 3.61 | 1.42 | 3.19 | (0.64, 9.31) | 50 | 4.44 * |
| Gruberg L | 509 | 7 | 1.38 | 1.56 | 1.10 | (0.44, 2.27) | 369 | 0.53 |
| Peconic Bay Med Ctr | 8 | 0 | 0.00 | 2.36 | 0.00 | (0.00,24.25) | 2 | 0.00 |
| South Shore Univ. Hosp | 96 | 1 | 1.04 | 1.28 | 1.01 | (0.01, 5.64) | 79 | 0.00 |
| Univ. Hosp-Stony Brook | 405 | 6 | 1.48 | 1.61 | 1.15 | (0.42, 2.50) | 288 | 0.61 |
| Grunwald A | 221 | 3 | 1.36 | 1.00 | 1.70 | (0.34, 4.96) | 165 | 1.91 |
| NYP-Queens | 69 | 1 | 1.45 | 1.14 | 1.59 | (0.02, 8.85) | 48 | 2.23 |
| NYU Hospitals Center | 2 | 0 | 0.00 | 0.19 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| NYU Winthrop Hospital | 4 | 0 | 0.00 | 1.91 | 0.00 | (0.00,59.99) | 4 | 0.00 |
| St. Francis Hospital | 146 | 2 | 1.37 | 0.92 | 1.86 | (0.21, 6.71) | 111 | 1.97 |
| Gujja K | 218 | 2 | 0.92 | 0.85 | 1.35 | (0.15, 4.89) | 217 | 0.91 |
| Lenox Hill Hospital | 3 | 0 | 0.00 | 4.04 | 0.00 | (0.00,37.73) | 3 | 0.00 |
| Mount Sinai Hospital | 215 | 2 | 0.93 | 0.80 | 1.45 | (0.16, 5.24) | 214 | 0.97 |
| Gupta R | 113 | 2 | 1.77 | 0.81 | 2.72 | (0.31, 9.82) | 111 | 1.72 |
| Jamaica Hosp Med Ctr | 7 | 0 | 0.00 | 1.60 | 0.00 | (0.00,40.81) | 7 | 0.00 |
| Long Island Jewish MC | 41 | 1 | 2.44 | 0.42 | 7.27 | (0.10,40.44) | 41 | 4.48 |
| NYP-Queens | 65 | 1 | 1.54 | 0.97 | 1.97 | (0.03,10.96) | 63 | 1.29 |
| Hadid A B | 107 | 0 | 0.00 | 1.28 | 0.00 | (0.00, 3.33) | 69 | 0.00 |
| St. Lukes Cornwall Hosp | 106 | 0 | 0.00 | 1.29 | 0.00 | (0.00, 3.34) | 68 | 0.00 |
| Westchester Med Ctr | 1 | 0 | 0.00 | 0.25 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Hall C | 478 | 14 | 2.93 | 1.78 | 2.05 | (1.12, 3.45) | 351 | 0.90 |
| Rochester General Hosp | 422 | 10 | 2.37 | 1.59 | 1.86 | (0.89, 3.43) | 313 | 0.77 |
| Unity Hospital | 56 | 4 | 7.14 | 3.23 | 2.76 | (0.74, 7.06) | 38 | 1.85 |
| Hameedi A | 205 | 0 | 0.00 | 0.22 | 0.00 | (0.00,10.15) | 205 | 0.00 |
| Mount Sinai Hospital | 76 | 0 | 0.00 | 0.24 | 0.00 | (0.00,25.38) | 76 | 0.00 |
| NYP-Queens | 129 | 0 | 0.00 | 0.21 | 0.00 | (0.00,16.91) | 129 | 0.00 |
| Happes M | 391 | 4 | 1.02 | 0.97 | 1.31 | (0.35, 3.36) | 340 | 0.58 |
| Good Sam-West Islip | 192 | 1 | 0.52 | 0.81 | 0.81 | (0.01, 4.49) | 180 | 0.63 |
| North Shore Univ Hosp | 1 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| South Shore Univ. Hosp | 58 | 0 | 0.00 | 1.71 | 0.00 | (0.00, 4.60) | 44 | 0.00 |
| St. Catherine of Siena | 140 | 3 | 2.14 | 0.90 | 2.96 | (0.60, 8.65) | 115 | 1.04 |
| Haq N | 539 | 4 | 0.74 | 1.33 | 0.70 | (0.19, 1.78) | 396 | 0.00 |
| Mercy Hospital-Buffalo | 536 | 4 | 0.75 | 1.33 | 0.70 | (0.19, 1.79) | 396 | 0.00 |
| Niagara Falls Memorial | 3 | 0 | 0.00 | 1.14 | 0.00 | (0.00,100.0) | . | . |
| Hegde S | 180 | 4 | 2.22 | 1.97 | 1.40 | (0.38, 3.60) | 135 | 0.52 |
| Bellevue Hospital Ctr | 60 | 1 | 1.67 | 1.05 | 1.99 | (0.03,11.06) | 59 | 1.40 |
| Univ. Hosp-Brooklyn | 120 | 3 | 2.50 | 2.44 | 1.28 | (0.26, 3.74) | 76 | 0.00 |
| Hjemdahl-Monsen C | 361 | 1 | 0.28 | 0.95 | 0.37 | (0.00, 2.03) | 314 | 0.00 |
| NYP-Columbia Presby. | 31 | 0 | 0.00 | 1.19 | 0.00 | (0.00,12.43) | 30 | 0.00 |
| NYP-Lawrence Hosp | 303 | 1 | 0.33 | 0.90 | 0.46 | (0.01, 2.56) | 261 | 0.00 |
| White Plains Hospital | 27 | 0 | 0.00 | 1.24 | 0.00 | (0.00,13.63) | 23 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|----------------------------|-------------|-----------|-------------|-------------|-------------|----------------------------------|-------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Hormozi S | 1049 | 9 | 0.86 | 0.72 | 1.49 | (0.68, 2.82) | 949 | 1.34 |
| Good Sam-West Islip | 451 | 4 | 0.89 | 0.73 | 1.52 | (0.41, 3.88) | 416 | 1.37 |
| Mount Sinai South Nassau | 6 | 1 | 16.67 | 5.58 | 3.73 | (0.05,20.73) | 1 | 0.00 |
| NYU Winthrop Hospital | 1 | 0 | 0.00 | 0.10 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| North Shore Univ Hosp | 3 | 0 | 0.00 | 2.59 | 0.00 | (0.00,59.02) | 3 | 0.00 |
| South Shore Univ. Hosp | 443 | 3 | 0.68 | 0.52 | 1.61 | (0.32, 4.71) | 405 | 1.72 |
| St. Catherine of Siena | 144 | 1 | 0.69 | 1.06 | 0.82 | (0.01, 4.56) | 122 | 0.83 |
| St. Francis Hospital | 1 | 0 | 0.00 | 0.08 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Hoyek W | 294 | 2 | 0.68 | 0.89 | 0.95 | (0.11, 3.44) | 227 | 1.64 |
| NYP-Brooklyn Methodist | 48 | 1 | 2.08 | 0.18 | 14.15 | (0.18,78.71) | 48 | 9.03 |
| NYU Langone Hosp.-Brooklyn | 81 | 0 | 0.00 | 1.80 | 0.00 | (0.00, 3.14) | 48 | 0.00 |
| Staten Island Univ Hosp | 165 | 1 | 0.61 | 0.65 | 1.16 | (0.02, 6.47) | 131 | 2.34 |
| Husain S I | 79 | 1 | 1.27 | 1.20 | 1.32 | (0.02, 7.34) | 76 | 0.92 |
| Long Island Jewish MC | 64 | 1 | 1.56 | 1.15 | 1.70 | (0.02, 9.43) | 62 | 1.19 |
| North Shore Univ Hosp | 15 | 0 | 0.00 | 1.40 | 0.00 | (0.00,21.79) | 14 | 0.00 |
| Iqbal S | 285 | 4 | 1.40 | 1.80 | 0.97 | (0.26, 2.49) | 218 | 1.24 |
| Bellevue Hospital Ctr | 265 | 4 | 1.51 | 1.77 | 1.07 | (0.29, 2.73) | 207 | 1.38 |
| NYU Hospitals Center | 20 | 0 | 0.00 | 2.24 | 0.00 | (0.00,10.22) | 11 | 0.00 |
| Irobunda C | 144 | 2 | 1.39 | 1.23 | 1.40 | (0.16, 5.07) | 113 | 0.00 |
| NYP-Columbia Presby. | 129 | 1 | 0.78 | 0.88 | 1.10 | (0.01, 6.12) | 113 | 0.00 |
| NYP-Lawrence Hosp | 15 | 1 | 6.67 | 4.28 | 1.94 | (0.03,10.81) | . | . |
| Iyer S | 28 | 0 | 0.00 | 0.40 | 0.00 | (0.00,41.01) | 28 | 0.00 |
| Lenox Hill Hospital | 27 | 0 | 0.00 | 0.41 | 0.00 | (0.00,41.30) | 27 | 0.00 |
| Olean General Hosp. | 1 | 0 | 0.00 | 0.08 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Iyer V | 701 | 10 | 1.43 | 1.56 | 1.14 | (0.55, 2.10) | 518 | 0.51 |
| Buffalo General Med Ctr | 674 | 10 | 1.48 | 1.55 | 1.19 | (0.57, 2.19) | 502 | 0.52 |
| Olean General Hosp. | 27 | 0 | 0.00 | 1.74 | 0.00 | (0.00, 9.74) | 16 | 0.00 |
| Jain S | 428 | 3 | 0.70 | 1.13 | 0.78 | (0.16, 2.27) | 312 | 1.00 |
| Jamaica Hosp Med Ctr | 229 | 3 | 1.31 | 1.41 | 1.16 | (0.23, 3.40) | 116 | 2.35 |
| Lenox Hill Hospital | 199 | 0 | 0.00 | 0.80 | 0.00 | (0.00, 2.86) | 196 | 0.00 |
| Jauhar R | 1556 | 19 | 1.22 | 1.08 | 1.40 | (0.85, 2.19) | 1292 | 1.13 |
| Long Island Jewish MC | 23 | 0 | 0.00 | 2.20 | 0.00 | (0.00, 9.03) | 4 | 0.00 |
| North Shore Univ Hosp | 1533 | 19 | 1.24 | 1.07 | 1.45 | (0.87, 2.26) | 1288 | 1.13 |
| Jayasundera T | 222 | 0 | 0.00 | 0.23 | 0.00 | (0.00, 9.11) | 221 | 0.00 |
| Mount Sinai Hospital | 3 | 0 | 0.00 | 0.59 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| NYU Hospitals Center | 219 | 0 | 0.00 | 0.22 | 0.00 | (0.00, 9.44) | 218 | 0.00 |
| Jeremias A | 488 | 4 | 0.82 | 1.72 | 0.59 | (0.16, 1.52) | 386 | 0.35 |
| St. Francis Hospital | 315 | 2 | 0.63 | 1.61 | 0.49 | (0.06, 1.78) | 271 | 0.50 |
| Univ. Hosp-Stony Brook | 173 | 2 | 1.16 | 1.92 | 0.75 | (0.08, 2.72) | 115 | 0.00 |
| Jilaihawi H | 20 | 1 | 5.00 | 2.26 | 2.76 | (0.04,15.35) | 8 | 0.00 |
| Bellevue Hospital Ctr | 3 | 0 | 0.00 | 4.41 | 0.00 | (0.00,34.57) | 1 | 0.00 |
| NYU Hospitals Center | 17 | 1 | 5.88 | 1.88 | 3.90 | (0.05,21.69) | 7 | 0.00 |
| Johnson M | 465 | 5 | 1.08 | 1.27 | 1.05 | (0.34, 2.46) | 412 | 0.25 |
| Montefiore - Moses | 443 | 4 | 0.90 | 1.25 | 0.90 | (0.24, 2.31) | 405 | 0.25 |
| Montefiore - Weiler | 1 | 0 | 0.00 | 0.17 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| St. Barnabas Hospital | 11 | 0 | 0.00 | 1.69 | 0.00 | (0.00,24.64) | 3 | 0.00 |
| White Plains Hospital | 10 | 1 | 10.00 | 1.88 | 6.63 | (0.09,36.90) | 3 | 0.00 |
| Jones M | 40 | 0 | 0.00 | 0.87 | 0.00 | (0.00,13.20) | 39 | 0.00 |
| Brooklyn Hosp.Downtown | 1 | 0 | 0.00 | 1.98 | 0.00 | (0.00,100.0) | . | . |
| Maimonides Medical Ctr | 37 | 0 | 0.00 | 0.85 | 0.00 | (0.00,14.51) | 37 | 0.00 |
| Mount Sinai Hospital | 1 | 0 | 0.00 | 0.54 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| NYP-Brooklyn Methodist | 1 | 0 | 0.00 | 0.62 | 0.00 | (0.00,100.0) | 1 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency | CASES | RAMR |
|-----------------------------|-------------|-----------|-------------|-------------|-------------|---------------------|-------------|----------------|
| | Cases | Deaths | OMR | EMR | RAMR | 95% CI for RAMR | | |
| Joseph S | 161 | 2 | 1.24 | 1.07 | 1.45 | (0.16, 5.25) | 151 | 0.57 |
| Long Island Comm. Hosp. | 81 | 1 | 1.23 | 0.78 | 1.99 | (0.03,11.06) | 71 | 0.00 |
| NYU Winthrop Hospital | 7 | 0 | 0.00 | 0.07 | 0.00 | (0.00,100.0) | 7 | 0.00 |
| North Shore Univ Hosp | 6 | 0 | 0.00 | 0.25 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| Univ. Hosp-Stony Brook | 67 | 1 | 1.49 | 1.59 | 1.17 | (0.02, 6.50) | 67 | 0.82 |
| Kakkar A | 321 | 4 | 1.25 | 1.28 | 1.21 | (0.33, 3.10) | 287 | 0.64 |
| Montefiore - Moses | 206 | 2 | 0.97 | 1.30 | 0.93 | (0.10, 3.37) | 189 | 0.00 |
| Montefiore - Weiler | 115 | 2 | 1.74 | 1.26 | 1.73 | (0.19, 6.24) | 98 | 1.78 |
| Kalapatapu K | 764 | 4 | 0.52 | 1.05 | 0.63 | (0.17, 1.60) | 718 | 0.37 |
| Garnet Health Med Ctr | 322 | 2 | 0.62 | 1.23 | 0.63 | (0.07, 2.28) | 314 | 0.22 |
| NYP-Columbia Presby. | 33 | 0 | 0.00 | 0.35 | 0.00 | (0.00,39.44) | 33 | 0.00 |
| NYP-Lawrence Hosp | 331 | 2 | 0.60 | 1.01 | 0.74 | (0.08, 2.69) | 296 | 0.74 |
| White Plains Hospital | 78 | 0 | 0.00 | 0.73 | 0.00 | (0.00, 8.06) | 75 | 0.00 |
| Kandov R | 669 | 4 | 0.60 | 0.95 | 0.79 | (0.21, 2.02) | 556 | 0.93 |
| NYU Langone Hosp.-Brooklyn | 35 | 0 | 0.00 | 3.45 | 0.00 | (0.00, 3.79) | 6 | 0.00 |
| Staten Island Univ Hosp | 634 | 4 | 0.63 | 0.81 | 0.98 | (0.26, 2.50) | 550 | 0.93 |
| Kanei Y | 481 | 8 | 1.66 | 1.96 | 1.06 | (0.46, 2.09) | 337 | 0.00 |
| Mount Sinai Beth Israel | 480 | 8 | 1.67 | 1.95 | 1.07 | (0.46, 2.10) | 336 | 0.00 |
| Mount Sinai Morningside | 1 | 0 | 0.00 | 3.75 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Kaplan B | 1789 | 11 | 0.61 | 1.06 | 0.72 | (0.36, 1.29) | 1584 | 0.35 ** |
| Long Island Jewish MC | 19 | 0 | 0.00 | 1.92 | 0.00 | (0.00,12.56) | 4 | 0.00 |
| North Shore Univ Hosp | 1770 | 11 | 0.62 | 1.06 | 0.74 | (0.37, 1.32) | 1580 | 0.35 ** |
| Kaple R | 192 | 7 | 3.65 | 1.92 | 2.37 | (0.95, 4.88) | 128 | 1.55 |
| Glens Falls Hospital | 3 | 0 | 0.00 | 1.44 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Westchester Med Ctr | 189 | 7 | 3.70 | 1.93 | 2.40 | (0.96, 4.94) | 127 | 1.55 |
| Kapur V | 136 | 1 | 0.74 | 1.78 | 0.52 | (0.01, 2.88) | 109 | 0.49 |
| Mount Sinai Hospital | 111 | 1 | 0.90 | 1.66 | 0.68 | (0.01, 3.77) | 85 | 0.70 |
| Mount Sinai Morningside | 25 | 0 | 0.00 | 2.28 | 0.00 | (0.00, 8.02) | 24 | 0.00 |
| Katz S | 162 | 1 | 0.62 | 1.32 | 0.58 | (0.01, 3.24) | 124 | 1.11 |
| Long Island Jewish MC | 8 | 0 | 0.00 | 6.68 | 0.00 | (0.00, 8.56) | . | . |
| North Shore Univ Hosp | 83 | 0 | 0.00 | 1.15 | 0.00 | (0.00, 4.79) | 68 | 0.00 |
| Peconic Bay Med Ctr | 69 | 1 | 1.45 | 0.94 | 1.92 | (0.03,10.68) | 54 | 2.46 |
| South Shore Univ. Hosp | 2 | 0 | 0.00 | 0.12 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Kesanakurthy S | 704 | 4 | 0.57 | 0.78 | 0.91 | (0.24, 2.32) | 642 | 0.66 |
| Brooklyn Hosp.Downtown | 225 | 1 | 0.44 | 1.02 | 0.54 | (0.01, 3.01) | 181 | 0.00 |
| Lenox Hill Hospital | 2 | 0 | 0.00 | 0.31 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Mount Sinai Hospital | 432 | 3 | 0.69 | 0.69 | 1.25 | (0.25, 3.66) | 415 | 1.04 |
| NYP-Brooklyn Methodist | 3 | 0 | 0.00 | 0.07 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| NYP-Weill Cornell | 42 | 0 | 0.00 | 0.50 | 0.00 | (0.00,21.92) | 41 | 0.00 |
| Khan A | 118 | 2 | 1.69 | 1.94 | 1.09 | (0.12, 3.95) | 71 | 0.71 |
| Brookdale Univ Hosp Med Ctr | 117 | 2 | 1.71 | 1.92 | 1.11 | (0.13, 4.02) | 71 | 0.71 |
| Richmond Univ Med Cntr | 1 | 0 | 0.00 | 4.33 | 0.00 | (0.00,100.0) | . | . |
| Khan S | 216 | 6 | 2.78 | 1.48 | 2.35 | (0.86, 5.11) | 194 | 1.35 |
| St. Catherine of Siena | 100 | 4 | 4.00 | 1.59 | 3.15 | (0.85, 8.06) | 82 | 2.61 |
| Univ. Hosp-Stony Brook | 116 | 2 | 1.72 | 1.38 | 1.56 | (0.17, 5.61) | 112 | 0.55 |
| Khan W | 699 | 11 | 1.57 | 1.09 | 1.80 | (0.90, 3.22) | 528 | 2.06 * |
| Long Island Comm. Hosp. | 670 | 11 | 1.64 | 1.09 | 1.89 | (0.94, 3.38) | 499 | 2.30 * |
| NYU Winthrop Hospital | 29 | 0 | 0.00 | 1.22 | 0.00 | (0.00,12.90) | 29 | 0.00 |
| Khurana D | 96 | 0 | 0.00 | 1.87 | 0.00 | (0.00, 2.56) | 71 | 0.00 |
| Lenox Hill Hospital | 86 | 0 | 0.00 | 2.00 | 0.00 | (0.00, 2.66) | 62 | 0.00 |
| Long Island Jewish MC | 8 | 0 | 0.00 | 0.65 | 0.00 | (0.00,88.13) | 7 | 0.00 |
| North Shore Univ Hosp | 2 | 0 | 0.00 | 0.88 | 0.00 | (0.00,100.0) | 2 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency | CASES | RAMR |
|----------------------------|-------------|-----------|-------------|-------------|---------------|---------------------|-------------|---------------|
| | Cases | Deaths | OMR | EMR | RAMR | 95% CI for RAMR | | |
| Kim M | 1226 | 5 | 0.41 | 0.80 | 0.64 | (0.20, 1.48) | 1147 | 0.36 |
| Lenox Hill Hospital | 1187 | 5 | 0.42 | 0.81 | 0.65 | (0.21, 1.51) | 1109 | 0.37 |
| North Shore Univ Hosp | 39 | 0 | 0.00 | 0.44 | 0.00 | (0.00,26.87) | 38 | 0.00 |
| Korlipara G | 282 | 2 | 0.71 | 0.67 | 1.32 | (0.15, 4.75) | 264 | 0.50 |
| South Shore Univ. Hosp | 6 | 0 | 0.00 | 0.55 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| Univ. Hosp-Stony Brook | 276 | 2 | 0.72 | 0.68 | 1.34 | (0.15, 4.83) | 258 | 0.51 |
| Koss J | 409 | 2 | 0.49 | 0.95 | 0.65 | (0.07, 2.33) | 368 | 0.59 |
| Long Island Jewish MC | 168 | 1 | 0.60 | 0.61 | 1.22 | (0.02, 6.81) | 156 | 1.07 |
| NYP-Queens | 27 | 0 | 0.00 | 1.45 | 0.00 | (0.00,11.66) | 6 | 0.00 |
| North Shore Univ Hosp | 209 | 1 | 0.48 | 1.14 | 0.52 | (0.01, 2.92) | 202 | 0.43 |
| St. Francis Hospital | 5 | 0 | 0.00 | 1.52 | 0.00 | (0.00,60.36) | 4 | 0.00 |
| Kozman H | 195 | 3 | 1.54 | 1.51 | 1.27 | (0.26, 3.71) | 113 | 0.80 |
| St. Elizabeth Med Ctr | 3 | 0 | 0.00 | 1.04 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Univ. Hosp-Upstate | 192 | 3 | 1.56 | 1.52 | 1.28 | (0.26, 3.75) | 111 | 0.82 |
| Krim N | 548 | 4 | 0.73 | 1.20 | 0.76 | (0.20, 1.95) | 381 | 0.54 |
| BronxCare Health System | 514 | 3 | 0.58 | 1.14 | 0.64 | (0.13, 1.86) | 347 | 0.34 |
| Mount Sinai Morningside | 34 | 1 | 2.94 | 2.05 | 1.79 | (0.02, 9.97) | 34 | 1.25 |
| Kruger A | 171 | 2 | 1.17 | 1.48 | 0.98 | (0.11, 3.56) | 165 | 0.73 |
| Long Island Comm. Hosp. | 3 | 0 | 0.00 | 3.84 | 0.00 | (0.00,39.69) | 3 | 0.00 |
| North Shore Univ Hosp | 168 | 2 | 1.19 | 1.44 | 1.03 | (0.12, 3.72) | 162 | 0.77 |
| Kukar A | 235 | 2 | 0.85 | 0.93 | 1.14 | (0.13, 4.11) | 209 | 0.00 |
| Lenox Hill Hospital | 178 | 2 | 1.12 | 1.08 | 1.30 | (0.15, 4.70) | 153 | 0.00 |
| Mount Sinai Hospital | 57 | 0 | 0.00 | 0.48 | 0.00 | (0.00,16.75) | 56 | 0.00 |
| Kumar P | 83 | 0 | 0.00 | 0.92 | 0.00 | (0.00, 5.98) | 76 | 0.00 |
| St. Elizabeth Med Ctr | 59 | 0 | 0.00 | 1.21 | 0.00 | (0.00, 6.43) | 52 | 0.00 |
| St. Josephs Hospital | 24 | 0 | 0.00 | 0.22 | 0.00 | (0.00,85.70) | 24 | 0.00 |
| Kwan T | 498 | 1 | 0.20 | 0.64 | 0.39 | (0.01, 2.19) | 494 | 0.28 |
| Mount Sinai Beth Israel | 496 | 1 | 0.20 | 0.64 | 0.39 | (0.01, 2.19) | 492 | 0.29 |
| NYP-Brooklyn Methodist | 2 | 0 | 0.00 | 0.23 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Lasic Z | 378 | 2 | 0.53 | 0.97 | 0.68 | (0.08, 2.46) | 273 | 0.00 |
| Jamaica Hosp Med Ctr | 185 | 2 | 1.08 | 1.38 | 0.98 | (0.11, 3.54) | 85 | 0.00 |
| Lenox Hill Hospital | 193 | 0 | 0.00 | 0.58 | 0.00 | (0.00, 4.11) | 188 | 0.00 |
| Lederman S | 242 | 4 | 1.65 | 1.06 | 1.94 | (0.52, 4.97) | 209 | 1.24 |
| Peconic Bay Med Ctr | 59 | 2 | 3.39 | 0.66 | 6.40 | (0.72,23.11) | 41 | 5.65 |
| South Shore Univ. Hosp | 43 | 2 | 4.65 | 1.38 | 4.21 | (0.47,15.18) | 43 | 2.74 |
| Southampton Hospital | 17 | 0 | 0.00 | 1.34 | 0.00 | (0.00,20.03) | 14 | 0.00 |
| Univ. Hosp-Stony Brook | 123 | 0 | 0.00 | 1.11 | 0.00 | (0.00, 3.36) | 111 | 0.00 |
| Lee A | 656 | 5 | 0.76 | 1.33 | 0.72 | (0.23, 1.67) | 504 | 0.70 |
| Long Island Jewish MC | 578 | 5 | 0.87 | 1.05 | 1.03 | (0.33, 2.40) | 471 | 0.83 |
| North Shore Univ Hosp | 78 | 0 | 0.00 | 3.36 | 0.00 | (0.00, 1.74) | 33 | 0.00 |
| Lee P C | 64 | 0 | 0.00 | 1.55 | 0.00 | (0.00, 4.62) | 50 | 0.00 |
| Mount Sinai Hospital | 1 | 0 | 0.00 | 0.20 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| NYP-Brooklyn Methodist | 13 | 0 | 0.00 | 0.26 | 0.00 | (0.00,100.0) | 13 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 50 | 0 | 0.00 | 1.91 | 0.00 | (0.00, 4.79) | 36 | 0.00 |
| Lee P J | 1089 | 13 | 1.19 | 0.56 | 2.65 * | (1.41, 4.54) | 1041 | 2.17 * |
| Good Sam-West Islip | 826 | 8 | 0.97 | 0.54 | 2.22 | (0.96, 4.38) | 790 | 1.88 |
| South Shore Univ. Hosp | 263 | 5 | 1.90 | 0.62 | 3.86 | (1.24, 9.00) | 251 | 2.89 * |
| Liou M | 327 | 0 | 0.00 | 0.40 | 0.00 | (0.00, 3.48) | 324 | 0.00 |
| Mount Sinai Beth Israel | 321 | 0 | 0.00 | 0.41 | 0.00 | (0.00, 3.51) | 318 | 0.00 |
| NYU Hospitals Center | 6 | 0 | 0.00 | 0.18 | 0.00 | (0.00,100.0) | 6 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency | CASES | RAMR |
|-------------------------|-------------|-----------|-------------|-------------|---------------|---------------------|------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | 95% CI for RAMR | | |
| Madiraju S | 457 | 6 | 1.31 | 1.98 | 0.83 | (0.30, 1.80) | 300 | 0.45 |
| Albany Med. Ctr | 4 | 0 | 0.00 | 7.83 | 0.00 | (0.00,14.62) | 3 | 0.00 |
| Ellis Hospital | 453 | 6 | 1.32 | 1.93 | 0.86 | (0.31, 1.86) | 297 | 0.45 |
| Mangla A | 369 | 1 | 0.27 | 1.44 | 0.23 | (0.00, 1.30) | 286 | 0.61 |
| Jamaica Hosp Med Ctr | 194 | 0 | 0.00 | 2.36 | 0.00 ** | (0.00, 1.00) | 112 | 0.00 |
| Lenox Hill Hospital | 175 | 1 | 0.57 | 0.43 | 1.65 | (0.02, 9.19) | 174 | 1.47 |
| Marchant D | 117 | 0 | 0.00 | 1.49 | 0.00 | (0.00, 2.63) | 62 | 0.00 |
| Long Island Jewish MC | 13 | 0 | 0.00 | 3.01 | 0.00 | (0.00,11.70) | 1 | 0.00 |
| North Shore Univ Hosp | 104 | 0 | 0.00 | 1.30 | 0.00 | (0.00, 3.39) | 61 | 0.00 |
| Maroney J | 656 | 15 | 2.29 | 1.20 | 2.38 * | (1.33, 3.93) | 500 | 1.91 |
| Albany Med. Ctr | 418 | 11 | 2.63 | 1.15 | 2.86 * | (1.43, 5.12) | 333 | 2.00 |
| Samaritan Hospital | 59 | 1 | 1.69 | 1.88 | 1.13 | (0.01, 6.28) | 22 | 0.00 |
| St. Peters Hospital | 179 | 3 | 1.68 | 1.09 | 1.92 | (0.39, 5.60) | 145 | 2.33 |
| Martinelli M | 577 | 10 | 1.73 | 1.09 | 1.99 | (0.95, 3.66) | 474 | 1.08 |
| Samaritan Hospital | 9 | 1 | 11.11 | 1.94 | 7.14 | (0.09,39.74) | 3 | 0.00 |
| St. Peters Hospital | 568 | 9 | 1.58 | 1.07 | 1.84 | (0.84, 3.50) | 471 | 1.08 |
| Masud A | 305 | 9 | 2.95 | 1.64 | 2.25 | (1.03, 4.27) | 217 | 1.41 |
| Mercy Hospital-Buffalo | 292 | 9 | 3.08 | 1.67 | 2.30 | (1.05, 4.38) | 208 | 1.45 |
| Niagara Falls Memorial | 8 | 0 | 0.00 | 0.84 | 0.00 | (0.00,67.86) | 5 | 0.00 |
| Westchester Med Ctr | 5 | 0 | 0.00 | 0.98 | 0.00 | (0.00,93.13) | 4 | 0.00 |
| McNulty P | 299 | 4 | 1.34 | 1.29 | 1.30 | (0.35, 3.32) | 200 | 2.04 |
| Bassett Medical Center | 206 | 3 | 1.46 | 1.17 | 1.55 | (0.31, 4.54) | 152 | 2.46 |
| Saratoga Hospital | 93 | 1 | 1.08 | 1.55 | 0.87 | (0.01, 4.81) | 48 | 0.00 |
| Meltser H | 864 | 17 | 1.97 | 1.11 | 2.20 * | (1.28, 3.53) | 672 | 1.61 |
| Mercy Hospital-Buffalo | 863 | 17 | 1.97 | 1.12 | 2.20 * | (1.28, 3.53) | 671 | 1.61 |
| Niagara Falls Memorial | 1 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Menegus M | 500 | 6 | 1.20 | 1.26 | 1.19 | (0.43, 2.59) | 399 | 0.98 |
| Montefiore - Weiler | 498 | 6 | 1.20 | 1.25 | 1.21 | (0.44, 2.63) | 399 | 0.98 |
| White Plains Hospital | 2 | 0 | 0.00 | 4.92 | 0.00 | (0.00,46.57) | . | . |
| Meraj P | 1037 | 14 | 1.35 | 1.40 | 1.20 | (0.66, 2.01) | 873 | 0.72 |
| Long Island Jewish MC | 16 | 0 | 0.00 | 2.48 | 0.00 | (0.00,11.54) | 6 | 0.00 |
| North Shore Univ Hosp | 1021 | 14 | 1.37 | 1.39 | 1.23 | (0.67, 2.07) | 867 | 0.73 |
| Messinger D | 191 | 6 | 3.14 | 1.93 | 2.03 | (0.74, 4.42) | 162 | 1.60 |
| Montefiore - Weiler | 19 | 0 | 0.00 | 6.00 | 0.00 | (0.00, 4.02) | 18 | 0.00 |
| Westchester Med Ctr | 6 | 0 | 0.00 | 0.50 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| White Plains Hospital | 166 | 6 | 3.61 | 1.52 | 2.97 | (1.09, 6.47) | 138 | 2.67 * |
| Mignatti A | 101 | 1 | 0.99 | 1.96 | 0.63 | (0.01, 3.51) | 83 | 0.91 |
| Lenox Hill Hospital | 41 | 0 | 0.00 | 3.35 | 0.00 | (0.00, 3.33) | 28 | 0.00 |
| North Shore Univ Hosp | 60 | 1 | 1.67 | 1.01 | 2.07 | (0.03,11.50) | 55 | 1.38 |
| Monrad E | 319 | 2 | 0.63 | 1.60 | 0.49 | (0.05, 1.77) | 231 | 0.29 |
| Montefiore - Weiler | 317 | 1 | 0.32 | 1.59 | 0.25 | (0.00, 1.38) | 230 | 0.00 |
| St. Barnabas Hospital | 2 | 1 | 50.00 | 2.74 | 22.81 | (0.30,100.0) | 1 | 23.37 |
| Moreno P | 894 | 4 | 0.45 | 0.96 | 0.58 | (0.16, 1.49) | 866 | 0.42 |
| Mount Sinai Hospital | 37 | 0 | 0.00 | 0.90 | 0.00 | (0.00,13.75) | 37 | 0.00 |
| Mount Sinai Morningside | 857 | 4 | 0.47 | 0.96 | 0.61 | (0.16, 1.55) | 829 | 0.43 |
| Morris W | 744 | 9 | 1.21 | 1.05 | 1.44 | (0.66, 2.73) | 618 | 0.66 |
| Buffalo General Med Ctr | 726 | 9 | 1.24 | 1.02 | 1.51 | (0.69, 2.87) | 607 | 0.67 |
| Mercy Hospital-Buffalo | 4 | 0 | 0.00 | 0.22 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| Niagara Falls Memorial | 1 | 0 | 0.00 | 0.43 | 0.00 | (0.00,100.0) | . | . |
| Olean General Hosp. | 13 | 0 | 0.00 | 2.85 | 0.00 | (0.00,12.37) | 7 | 0.00 |

Table 6, *continued*

| | Cases | All Cases | | | RAMR | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|------------------------|-------------|-----------|-------------|-------------|---------------|----------------------------------|-------------|---------------|
| | | Deaths | OMR | EMR | | | | |
| Moses J | 1226 | 5 | 0.41 | 0.70 | 0.73 | (0.23, 1.70) | 1222 | 0.53 |
| NYP-Columbia Presby. | 964 | 4 | 0.41 | 0.69 | 0.75 | (0.20, 1.92) | 962 | 0.56 |
| St. Francis Hospital | 262 | 1 | 0.38 | 0.74 | 0.64 | (0.01, 3.58) | 260 | 0.45 |
| Motivala A | 109 | 2 | 1.83 | 1.35 | 1.70 | (0.19, 6.13) | 75 | 1.25 |
| Garnet Health Med Ctr | 81 | 1 | 1.23 | 1.52 | 1.01 | (0.01, 5.64) | 47 | 0.00 |
| NYP-Columbia Presby. | 28 | 1 | 3.57 | 0.86 | 5.20 | (0.07,28.94) | 28 | 3.65 |
| Mousa T | 122 | 0 | 0.00 | 0.28 | 0.00 | (0.00,13.43) | 122 | 0.00 |
| Lenox Hill Hospital | 53 | 0 | 0.00 | 0.17 | 0.00 | (0.00,49.50) | 53 | 0.00 |
| NYU Winthrop Hospital | 69 | 0 | 0.00 | 0.36 | 0.00 | (0.00,18.42) | 69 | 0.00 |
| Naidu S | 192 | 3 | 1.56 | 1.91 | 1.02 | (0.21, 2.99) | 133 | 0.72 |
| NYU Winthrop Hospital | 59 | 1 | 1.69 | 1.35 | 1.57 | (0.02, 8.72) | 50 | 0.00 |
| Westchester Med Ctr | 133 | 2 | 1.50 | 2.16 | 0.87 | (0.10, 3.14) | 83 | 0.92 |
| Nappi A | 430 | 17 | 3.95 | 1.73 | 2.85 * | (1.66, 4.57) | 325 | 1.68 |
| Albany Med. Ctr | 424 | 17 | 4.01 | 1.70 | 2.95 * | (1.72, 4.73) | 325 | 1.68 |
| Bassett Medical Center | 5 | 0 | 0.00 | 4.43 | 0.00 | (0.00,20.68) | . | . |
| Saratoga Hospital | 1 | 0 | 0.00 | 2.52 | 0.00 | (0.00,100.0) | . | . |
| Nazif T | 186 | 2 | 1.08 | 1.71 | 0.78 | (0.09, 2.83) | 163 | 0.41 |
| NYP-Columbia Presby. | 182 | 2 | 1.10 | 1.73 | 0.79 | (0.09, 2.86) | 161 | 0.41 |
| NYP-Lawrence Hosp | 4 | 0 | 0.00 | 0.74 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Ong L S | 1344 | 19 | 1.41 | 1.05 | 1.69 | (1.02, 2.64) | 1207 | 1.05 |
| Cayuga Med Ctr Ithaca | 2 | 0 | 0.00 | 0.96 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Rochester General Hosp | 1341 | 19 | 1.42 | 1.05 | 1.69 | (1.02, 2.64) | 1204 | 1.05 |
| Unity Hospital | 1 | 0 | 0.00 | 0.05 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Ong L Y | 180 | 0 | 0.00 | 0.87 | 0.00 | (0.00, 2.94) | 168 | 0.00 |
| Huntington Hospital | 108 | 0 | 0.00 | 0.74 | 0.00 | (0.00, 5.71) | 99 | 0.00 |
| North Shore Univ Hosp | 33 | 0 | 0.00 | 0.99 | 0.00 | (0.00,13.94) | 33 | 0.00 |
| Rochester General Hosp | 2 | 0 | 0.00 | 0.38 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| South Shore Univ. Hosp | 37 | 0 | 0.00 | 1.14 | 0.00 | (0.00,10.89) | 34 | 0.00 |
| Palkhiwala S | 446 | 0 | 0.00 | 0.29 | 0.00 | (0.00, 3.48) | 446 | 0.00 |
| Mount Sinai Hospital | 248 | 0 | 0.00 | 0.33 | 0.00 | (0.00, 5.61) | 248 | 0.00 |
| NYU Hospitals Center | 198 | 0 | 0.00 | 0.25 | 0.00 | (0.00, 9.21) | 198 | 0.00 |
| Papadakos S | 496 | 3 | 0.60 | 1.26 | 0.60 | (0.12, 1.76) | 436 | 0.68 |
| NYP-Queens | 149 | 2 | 1.34 | 2.45 | 0.68 | (0.08, 2.47) | 91 | 1.04 |
| NYU Hospitals Center | 332 | 1 | 0.30 | 0.65 | 0.58 | (0.01, 3.21) | 331 | 0.47 |
| NYU Winthrop Hospital | 8 | 0 | 0.00 | 1.47 | 0.00 | (0.00,38.95) | 7 | 0.00 |
| North Shore Univ Hosp | 7 | 0 | 0.00 | 4.23 | 0.00 | (0.00,15.46) | 7 | 0.00 |
| Papaleo R | 495 | 11 | 2.22 | 0.92 | 3.01 * | (1.50, 5.39) | 342 | 2.68 * |
| Albany Med. Ctr | 27 | 2 | 7.41 | 2.66 | 3.47 | (0.39,12.53) | 4 | 0.00 |
| Glens Falls Hospital | 25 | 0 | 0.00 | 2.15 | 0.00 | (0.00, 8.50) | . | . |
| Samaritan Hospital | 430 | 8 | 1.86 | 0.74 | 3.15 * | (1.36, 6.21) | 338 | 2.72 * |
| Saratoga Hospital | 1 | 0 | 0.00 | 1.07 | 0.00 | (0.00,100.0) | . | . |
| St. Peters Hospital | 12 | 1 | 8.33 | 0.99 | 10.55 | (0.14,58.72) | . | . |
| Park C | 336 | 1 | 0.30 | 0.43 | 0.86 | (0.01, 4.76) | 308 | 0.95 |
| NYP-Queens | 269 | 0 | 0.00 | 0.38 | 0.00 | (0.00, 4.44) | 247 | 0.00 |
| St. Francis Hospital | 67 | 1 | 1.49 | 0.64 | 2.92 | (0.04,16.24) | 61 | 3.31 |
| Patcha R | 233 | 3 | 1.29 | 0.86 | 1.87 | (0.38, 5.47) | 190 | 0.77 |
| Huntington Hospital | 205 | 3 | 1.46 | 0.89 | 2.04 | (0.41, 5.97) | 162 | 0.91 |
| North Shore Univ Hosp | 23 | 0 | 0.00 | 0.57 | 0.00 | (0.00,34.93) | 23 | 0.00 |
| South Shore Univ. Hosp | 2 | 0 | 0.00 | 0.47 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| St. Francis Hospital | 3 | 0 | 0.00 | 0.86 | 0.00 | (0.00,100.0) | 3 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|--------------------------|------------|-----------|-------------|-------------|---------------|----------------------------------|------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Patel Amisha | 166 | 4 | 2.41 | 1.11 | 2.71 | (0.73, 6.94) | 134 | 2.75 |
| NYP-Columbia Presby. | 159 | 4 | 2.52 | 1.10 | 2.86 | (0.77, 7.32) | 134 | 2.75 |
| NYP-Lawrence Hosp | 7 | 0 | 0.00 | 1.39 | 0.00 | (0.00,46.99) | . | . |
| Patel Neal | 335 | 4 | 1.19 | 0.67 | 2.21 | (0.60, 5.67) | 309 | 0.44 |
| St. Catherine of Siena | 13 | 0 | 0.00 | 0.83 | 0.00 | (0.00,42.34) | 10 | 0.00 |
| St. Francis Hospital | 2 | 0 | 0.00 | 0.11 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Univ. Hosp-Stony Brook | 320 | 4 | 1.25 | 0.67 | 2.33 | (0.63, 5.96) | 297 | 0.46 |
| Patel R B | 189 | 1 | 0.53 | 1.77 | 0.37 | (0.00, 2.08) | 85 | 0.00 |
| Good Sam-West Islip | 48 | 1 | 2.08 | 1.83 | 1.42 | (0.02, 7.92) | 21 | 0.00 |
| NYU Winthrop Hospital | 2 | 0 | 0.00 | 0.09 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| South Shore Univ. Hosp | 51 | 0 | 0.00 | 1.89 | 0.00 | (0.00, 4.74) | 7 | 0.00 |
| St. Catherine of Siena | 88 | 0 | 0.00 | 1.71 | 0.00 | (0.00, 3.05) | 55 | 0.00 |
| Patel T | 882 | 28 | 3.17 | 1.91 | 2.07 * | (1.38, 3.00) | 648 | 1.10 |
| Rochester General Hosp | 320 | 11 | 3.44 | 2.23 | 1.92 | (0.96, 3.44) | 234 | 0.99 |
| Unity Hospital | 562 | 17 | 3.02 | 1.73 | 2.18 * | (1.27, 3.50) | 414 | 1.16 |
| Patel V | 150 | 1 | 0.67 | 0.54 | 1.54 | (0.02, 8.56) | 148 | 1.06 |
| Mount Sinai Hospital | 37 | 0 | 0.00 | 0.73 | 0.00 | (0.00,16.87) | 37 | 0.00 |
| NYP-Brooklyn Methodist | 113 | 1 | 0.88 | 0.48 | 2.31 | (0.03,12.87) | 111 | 1.55 |
| Patrello A | 667 | 7 | 1.05 | 1.32 | 0.99 | (0.40, 2.04) | 559 | 0.83 |
| St. Lukes Cornwall Hosp | 350 | 4 | 1.14 | 1.01 | 1.41 | (0.38, 3.61) | 303 | 1.21 |
| Vassar Bros. Med Ctr | 317 | 3 | 0.95 | 1.67 | 0.71 | (0.14, 2.07) | 256 | 0.37 |
| Petrossian G | 752 | 11 | 1.46 | 1.08 | 1.69 | (0.84, 3.03) | 741 | 1.17 |
| Mount Sinai South Nassau | 38 | 0 | 0.00 | 0.50 | 0.00 | (0.00,24.23) | 36 | 0.00 |
| St. Francis Hospital | 714 | 11 | 1.54 | 1.11 | 1.73 | (0.86, 3.10) | 705 | 1.20 |
| Phadke K | 640 | 7 | 1.09 | 1.43 | 0.96 | (0.38, 1.97) | 436 | 1.15 |
| Buffalo General Med Ctr | 622 | 7 | 1.13 | 1.45 | 0.97 | (0.39, 2.00) | 426 | 1.15 |
| Mercy Hospital-Buffalo | 4 | 0 | 0.00 | 0.19 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| Niagara Falls Memorial | 1 | 0 | 0.00 | 2.42 | 0.00 | (0.00,100.0) | . | . |
| Olean General Hosp. | 13 | 0 | 0.00 | 0.69 | 0.00 | (0.00,51.02) | 6 | 0.00 |
| Polena S | 418 | 7 | 1.67 | 1.07 | 1.95 | (0.78, 4.03) | 351 | 1.04 |
| Huntington Hospital | 379 | 7 | 1.85 | 1.10 | 2.09 | (0.84, 4.31) | 312 | 1.19 |
| North Shore Univ Hosp | 39 | 0 | 0.00 | 0.76 | 0.00 | (0.00,15.42) | 39 | 0.00 |
| Poumpouridis K | 88 | 1 | 1.14 | 0.48 | 2.97 | (0.04,16.51) | 82 | 2.20 |
| Long Island Jewish MC | 1 | 0 | 0.00 | 0.21 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| North Shore Univ Hosp | 66 | 1 | 1.52 | 0.54 | 3.51 | (0.05,19.55) | 62 | 2.45 |
| South Shore Univ. Hosp | 21 | 0 | 0.00 | 0.30 | 0.00 | (0.00,72.30) | 19 | 0.00 |
| Pucillo A | 134 | 1 | 0.75 | 0.74 | 1.26 | (0.02, 7.02) | 128 | 1.10 |
| NYP-Columbia Presby. | 132 | 1 | 0.76 | 0.75 | 1.27 | (0.02, 7.04) | 126 | 1.10 |
| NYP-Lawrence Hosp | 2 | 0 | 0.00 | 0.18 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| Pulipati B | 183 | 1 | 0.55 | 1.47 | 0.46 | (0.01, 2.59) | 132 | 0.00 |
| Long Island Comm. Hosp. | 156 | 1 | 0.64 | 1.51 | 0.53 | (0.01, 2.94) | 105 | 0.00 |
| Univ. Hosp-Stony Brook | 27 | 0 | 0.00 | 1.20 | 0.00 | (0.00,14.10) | 27 | 0.00 |
| Puma J | 370 | 2 | 0.54 | 0.85 | 0.79 | (0.09, 2.85) | 366 | 0.29 |
| Mount Sinai Beth Israel | 145 | 1 | 0.69 | 0.73 | 1.17 | (0.02, 6.52) | 144 | 0.00 |
| Mount Sinai Morningside | 130 | 1 | 0.77 | 1.19 | 0.81 | (0.01, 4.50) | 127 | 0.59 |
| NYP-Columbia Presby. | 95 | 0 | 0.00 | 0.58 | 0.00 | (0.00, 8.28) | 95 | 0.00 |
| Pyo R | 707 | 10 | 1.41 | 1.58 | 1.12 | (0.54, 2.06) | 563 | 0.89 |
| Elmhurst Hospital Ctr | 30 | 1 | 3.33 | 2.31 | 1.80 | (0.02,10.02) | 2 | 0.00 |
| Montefiore - Moses | 440 | 3 | 0.68 | 1.19 | 0.71 | (0.14, 2.08) | 382 | 0.69 |
| Montefiore - Weiler | 2 | 0 | 0.00 | 14.25 | 0.00 | (0.00,16.06) | 2 | 0.00 |
| St. Barnabas Hospital | 13 | 0 | 0.00 | 2.84 | 0.00 | (0.00,12.40) | 3 | 0.00 |
| Univ. Hosp-Stony Brook | 222 | 6 | 2.70 | 2.05 | 1.64 | (0.60, 3.57) | 174 | 1.29 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|----------------------------|-------------|-----------|-------------|-------------|-------------|----------------------------------|------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Ratcliffe J | 210 | 2 | 0.95 | 0.79 | 1.51 | (0.17, 5.46) | 203 | 0.64 |
| Mount Sinai Beth Israel | 85 | 0 | 0.00 | 0.58 | 0.00 | (0.00, 9.25) | 84 | 0.00 |
| Mount Sinai Morningside | 76 | 2 | 2.63 | 1.21 | 2.72 | (0.31, 9.82) | 70 | 1.30 |
| NYP-Columbia Presby. | 49 | 0 | 0.00 | 0.48 | 0.00 | (0.00,19.31) | 49 | 0.00 |
| Raza J | 274 | 1 | 0.36 | 0.83 | 0.55 | (0.01, 3.05) | 232 | 0.00 |
| Jamaica Hosp Med Ctr | 73 | 1 | 1.37 | 1.70 | 1.00 | (0.01, 5.58) | 34 | 0.00 |
| Lenox Hill Hospital | 201 | 0 | 0.00 | 0.51 | 0.00 | (0.00, 4.43) | 198 | 0.00 |
| Razzouk L | 486 | 5 | 1.03 | 0.98 | 1.31 | (0.42, 3.07) | 411 | 0.90 |
| Bellevue Hospital Ctr | 15 | 1 | 6.67 | 3.01 | 2.77 | (0.04,15.39) | 2 | 0.00 |
| NYU Hospitals Center | 471 | 4 | 0.85 | 0.91 | 1.16 | (0.31, 2.97) | 409 | 0.90 |
| Reddy K | 232 | 5 | 2.16 | 1.84 | 1.46 | (0.47, 3.42) | 200 | 1.24 |
| Mount Sinai South Nassau | 7 | 0 | 0.00 | 0.77 | 0.00 | (0.00,85.26) | 7 | 0.00 |
| St. Francis Hospital | 225 | 5 | 2.22 | 1.87 | 1.48 | (0.48, 3.46) | 193 | 1.26 |
| Rehman A | 464 | 4 | 0.86 | 1.43 | 0.75 | (0.20, 1.93) | 313 | 0.38 |
| Mount Sinai South Nassau | 463 | 4 | 0.86 | 1.43 | 0.76 | (0.20, 1.93) | 312 | 0.38 |
| Univ. Hosp-Brooklyn | 1 | 0 | 0.00 | 0.92 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Rehman S | 248 | 0 | 0.00 | 1.18 | 0.00 | (0.00, 1.57) | 229 | 0.00 |
| NYP-Brooklyn Methodist | 225 | 0 | 0.00 | 1.15 | 0.00 | (0.00, 1.77) | 207 | 0.00 |
| Univ. Hosp-Brooklyn | 23 | 0 | 0.00 | 1.44 | 0.00 | (0.00,13.81) | 22 | 0.00 |
| Reich D | 768 | 6 | 0.78 | 0.70 | 1.39 | (0.51, 3.02) | 710 | 1.21 |
| Good Sam-West Islip | 555 | 4 | 0.72 | 0.64 | 1.40 | (0.38, 3.59) | 524 | 1.02 |
| South Shore Univ. Hosp | 213 | 2 | 0.94 | 0.86 | 1.36 | (0.15, 4.92) | 186 | 1.69 |
| Roccario E | 558 | 6 | 1.08 | 1.45 | 0.92 | (0.34, 2.01) | 446 | 0.70 |
| Samaritan Hospital | 2 | 0 | 0.00 | 1.05 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| St. Peters Hospital | 556 | 6 | 1.08 | 1.46 | 0.92 | (0.34, 2.01) | 445 | 0.70 |
| Rosenband M | 274 | 4 | 1.46 | 1.49 | 1.22 | (0.33, 3.12) | 246 | 0.85 |
| St. Catherine of Siena | 138 | 1 | 0.72 | 1.24 | 0.73 | (0.01, 4.06) | 120 | 0.73 |
| Univ. Hosp-Stony Brook | 136 | 3 | 2.21 | 1.75 | 1.57 | (0.32, 4.59) | 126 | 0.93 |
| Rosero H | 453 | 3 | 0.66 | 0.91 | 0.91 | (0.18, 2.66) | 397 | 0.62 |
| Mount Sinai Beth Israel | 441 | 3 | 0.68 | 0.92 | 0.92 | (0.19, 2.69) | 385 | 0.63 |
| NYP-Brooklyn Methodist | 12 | 0 | 0.00 | 0.40 | 0.00 | (0.00,96.25) | 12 | 0.00 |
| Royzman R | 331 | 4 | 1.21 | 1.65 | 0.91 | (0.25, 2.34) | 211 | 0.50 |
| NYU Langone Hosp.-Brooklyn | 44 | 1 | 2.27 | 3.89 | 0.73 | (0.01, 4.05) | 15 | 0.00 |
| Staten Island Univ Hosp | 287 | 3 | 1.05 | 1.31 | 1.00 | (0.20, 2.92) | 196 | 0.56 |
| Rutkin B | 149 | 4 | 2.68 | 1.76 | 1.91 | (0.51, 4.89) | 89 | 0.00 |
| Long Island Jewish MC | 13 | 0 | 0.00 | 2.43 | 0.00 | (0.00,14.49) | 2 | 0.00 |
| North Shore Univ Hosp | 136 | 4 | 2.94 | 1.69 | 2.17 | (0.58, 5.56) | 87 | 0.00 |
| Sanghi P | 140 | 0 | 0.00 | 0.20 | 0.00 | (0.00,16.77) | 140 | 0.00 |
| NYP-Brooklyn Methodist | 59 | 0 | 0.00 | 0.23 | 0.00 | (0.00,33.86) | 59 | 0.00 |
| NYU Hospitals Center | 81 | 0 | 0.00 | 0.17 | 0.00 | (0.00,33.21) | 81 | 0.00 |
| Schwartz R | 1063 | 10 | 0.94 | 1.34 | 0.88 | (0.42, 1.62) | 953 | 0.68 |
| Long Island Comm. Hosp. | 26 | 0 | 0.00 | 0.73 | 0.00 | (0.00,24.28) | 24 | 0.00 |
| NYU Winthrop Hospital | 1037 | 10 | 0.96 | 1.35 | 0.89 | (0.43, 1.64) | 929 | 0.69 |
| Selim S | 346 | 4 | 1.16 | 1.14 | 1.27 | (0.34, 3.24) | 297 | 1.28 |
| Good Sam-West Islip | 7 | 0 | 0.00 | 1.08 | 0.00 | (0.00,60.80) | 7 | 0.00 |
| Long Island Jewish MC | 32 | 0 | 0.00 | 0.59 | 0.00 | (0.00,24.35) | 26 | 0.00 |
| North Shore Univ Hosp | 7 | 0 | 0.00 | 3.69 | 0.00 | (0.00,17.74) | 4 | 0.00 |
| South Shore Univ. Hosp | 300 | 4 | 1.33 | 1.14 | 1.46 | (0.39, 3.73) | 260 | 1.42 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|----------------------------|-------------|-----------|-------------|-------------|-------------|----------------------------------|-------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Serrano-Gomez C | 279 | 3 | 1.08 | 1.11 | 1.21 | (0.24, 3.54) | 232 | 1.17 |
| Bellevue Hospital Ctr | 22 | 0 | 0.00 | 3.88 | 0.00 | (0.00, 5.37) | 5 | 0.00 |
| NYU Hospitals Center | 257 | 3 | 1.17 | 0.87 | 1.67 | (0.34, 4.89) | 227 | 1.24 |
| Shah Ankur | 375 | 4 | 1.07 | 0.68 | 1.97 | (0.53, 5.04) | 373 | 1.39 |
| Lenox Hill Hospital | 232 | 3 | 1.29 | 0.42 | 3.82 | (0.77,11.17) | 231 | 2.60 |
| NYP-Brooklyn Methodist | 143 | 1 | 0.70 | 1.09 | 0.80 | (0.01, 4.46) | 142 | 0.58 |
| Shah B | 154 | 4 | 2.60 | 1.91 | 1.70 | (0.46, 4.35) | 109 | 0.55 |
| Bellevue Hospital Ctr | 126 | 3 | 2.38 | 2.03 | 1.47 | (0.29, 4.29) | 96 | 0.59 |
| NYU Hospitals Center | 28 | 1 | 3.57 | 1.38 | 3.23 | (0.04,17.96) | 13 | 0.00 |
| Shaknovich A | 116 | 0 | 0.00 | 0.79 | 0.00 | (0.00, 4.98) | 115 | 0.00 |
| Maimonides Medical Ctr | 110 | 0 | 0.00 | 0.77 | 0.00 | (0.00, 5.40) | 110 | 0.00 |
| NYP-Brooklyn Methodist | 6 | 0 | 0.00 | 1.21 | 0.00 | (0.00,63.16) | 5 | 0.00 |
| Shaqra H | 206 | 5 | 2.43 | 2.00 | 1.52 | (0.49, 3.54) | 125 | 0.86 |
| Montefiore - Moses | 54 | 1 | 1.85 | 2.47 | 0.94 | (0.01, 5.21) | 13 | 0.00 |
| Montefiore - Weiler | 136 | 4 | 2.94 | 1.65 | 2.22 | (0.60, 5.68) | 109 | 1.11 |
| St. Barnabas Hospital | 16 | 0 | 0.00 | 3.33 | 0.00 | (0.00, 8.59) | 3 | 0.00 |
| Sharma A | 170 | 4 | 2.35 | 1.57 | 1.87 | (0.50, 4.78) | 133 | 0.00 |
| Arnot Ogden Med Ctr | 3 | 0 | 0.00 | 2.91 | 0.00 | (0.00,52.41) | . | . |
| Bassett Medical Center | 12 | 1 | 8.33 | 3.08 | 3.38 | (0.04,18.81) | 7 | 0.00 |
| NYP-Queens | 4 | 1 | 25.00 | 0.99 | 31.58 | (0.41,100.0) | . | . |
| NYP-Weill Cornell | 78 | 0 | 0.00 | 1.08 | 0.00 | (0.00, 5.41) | 69 | 0.00 |
| NYU Hospitals Center | 34 | 0 | 0.00 | 1.84 | 0.00 | (0.00, 7.34) | 34 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 39 | 2 | 5.13 | 1.81 | 3.53 | (0.40,12.76) | 23 | 0.00 |
| Sharma S | 3604 | 26 | 0.72 | 0.92 | 0.98 | (0.64, 1.44) | 3589 | 0.65 |
| Mount Sinai Hospital | 3586 | 26 | 0.73 | 0.92 | 0.98 | (0.64, 1.44) | 3571 | 0.66 |
| Mount Sinai Morningside | 18 | 0 | 0.00 | 0.35 | 0.00 | (0.00,73.26) | 18 | 0.00 |
| Shohat E | 83 | 0 | 0.00 | 0.28 | 0.00 | (0.00,19.95) | 83 | 0.00 |
| NYP-Brooklyn Methodist | 82 | 0 | 0.00 | 0.28 | 0.00 | (0.00,20.03) | 82 | 0.00 |
| Univ. Hosp-Brooklyn | 1 | 0 | 0.00 | 0.09 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Silverman G | 429 | 2 | 0.47 | 1.09 | 0.54 | (0.06, 1.94) | 276 | 0.00 |
| Garnet Health Med Ctr | 424 | 2 | 0.47 | 1.06 | 0.56 | (0.06, 2.01) | 273 | 0.00 |
| Mount Sinai Morningside | 2 | 0 | 0.00 | 7.58 | 0.00 | (0.00,30.18) | 2 | 0.00 |
| St. Lukes Cornwall Hosp | 3 | 0 | 0.00 | 0.91 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Singer G | 355 | 2 | 0.56 | 1.11 | 0.63 | (0.07, 2.28) | 340 | 0.57 |
| Rochester General Hosp | 332 | 1 | 0.30 | 0.97 | 0.39 | (0.01, 2.15) | 324 | 0.33 |
| Unity Hospital | 23 | 1 | 4.35 | 3.14 | 1.73 | (0.02, 9.60) | 16 | 2.13 |
| Singh A | 887 | 8 | 0.90 | 1.19 | 0.94 | (0.41, 1.86) | 709 | 0.41 |
| Long Island Jewish MC | 711 | 4 | 0.56 | 0.92 | 0.76 | (0.21, 1.96) | 589 | 0.41 |
| North Shore Univ Hosp | 176 | 4 | 2.27 | 2.30 | 1.23 | (0.33, 3.15) | 120 | 0.41 |
| Singh T | 186 | 0 | 0.00 | 0.21 | 0.00 | (0.00,11.75) | 186 | 0.00 |
| NYP-Brooklyn Methodist | 103 | 0 | 0.00 | 0.25 | 0.00 | (0.00,17.92) | 103 | 0.00 |
| NYU Hospitals Center | 83 | 0 | 0.00 | 0.16 | 0.00 | (0.00,34.15) | 83 | 0.00 |
| Slater J | 495 | 8 | 1.62 | 1.04 | 1.94 | (0.84, 3.83) | 428 | 2.06 |
| Bellevue Hospital Ctr | 3 | 0 | 0.00 | 1.62 | 0.00 | (0.00,94.36) | . | . |
| NYU Hospitals Center | 492 | 8 | 1.63 | 1.03 | 1.96 | (0.85, 3.87) | 428 | 2.06 |
| Slotwiner A | 168 | 3 | 1.79 | 1.69 | 1.32 | (0.27, 3.86) | 141 | 1.15 |
| NYP-Brooklyn Methodist | 2 | 0 | 0.00 | 0.39 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| NYP-Queens | 8 | 0 | 0.00 | 7.23 | 0.00 | (0.00, 7.91) | . | . |
| NYP-Weill Cornell | 79 | 1 | 1.27 | 1.35 | 1.17 | (0.02, 6.49) | 71 | 0.97 |
| NYU Hospitals Center | 31 | 1 | 3.23 | 2.19 | 1.84 | (0.02,10.24) | 30 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 48 | 1 | 2.08 | 1.04 | 2.51 | (0.03,13.95) | 38 | 4.15 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|----------------------------|------------|----------|-------------|-------------|-------------|----------------------------------|------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Smyrlis A | 249 | 7 | 2.81 | 2.21 | 1.59 | (0.64, 3.27) | 127 | 1.15 |
| Mount Sinai South Nassau | 248 | 7 | 2.82 | 2.22 | 1.59 | (0.64, 3.27) | 126 | 1.15 |
| NYU Winthrop Hospital | 1 | 0 | 0.00 | 0.05 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Snyder S | 159 | 2 | 1.26 | 1.06 | 1.48 | (0.17, 5.36) | 120 | 1.66 |
| Richmond Univ Med Cntr | 6 | 0 | 0.00 | 1.18 | 0.00 | (0.00,64.87) | . | . |
| Staten Island Univ Hosp | 153 | 2 | 1.31 | 1.05 | 1.55 | (0.17, 5.60) | 120 | 1.66 |
| Srinivas G | 157 | 1 | 0.64 | 0.57 | 1.39 | (0.02, 7.75) | 155 | 0.95 |
| Long Island Jewish MC | 121 | 1 | 0.83 | 0.59 | 1.73 | (0.02, 9.65) | 119 | 1.18 |
| North Shore Univ Hosp | 36 | 0 | 0.00 | 0.49 | 0.00 | (0.00,25.96) | 36 | 0.00 |
| Srivastava S | 100 | 0 | 0.00 | 0.54 | 0.00 | (0.00, 8.49) | 98 | 0.00 |
| NYP-Weill Cornell | 24 | 0 | 0.00 | 1.26 | 0.00 | (0.00,15.09) | 23 | 0.00 |
| NYU Hospitals Center | 37 | 0 | 0.00 | 0.20 | 0.00 | (0.00,63.06) | 37 | 0.00 |
| NYU Langone Hosp.-Brooklyn | 39 | 0 | 0.00 | 0.42 | 0.00 | (0.00,28.00) | 38 | 0.00 |
| Staniloae C | 126 | 4 | 3.17 | 1.04 | 3.80 | (1.02, 9.74) | 116 | 1.87 |
| Bellevue Hospital Ctr | 1 | 1 | 100.00 | 22.26 | 5.61 | (0.07,31.19) | . | . |
| NYU Hospitals Center | 125 | 3 | 2.40 | 0.87 | 3.44 | (0.69,10.04) | 116 | 1.87 |
| Stathopoulos I | 253 | 0 | 0.00 | 0.62 | 0.00 | (0.00, 2.92) | 253 | 0.00 |
| Lenox Hill Hospital | 45 | 0 | 0.00 | 0.65 | 0.00 | (0.00,15.70) | 45 | 0.00 |
| Mount Sinai Morningside | 25 | 0 | 0.00 | 1.30 | 0.00 | (0.00,14.06) | 25 | 0.00 |
| NYP-Columbia Presby. | 183 | 0 | 0.00 | 0.52 | 0.00 | (0.00, 4.81) | 183 | 0.00 |
| Strizik B | 351 | 4 | 1.14 | 1.38 | 1.03 | (0.28, 2.64) | 246 | 1.26 |
| Huntington Hospital | 284 | 3 | 1.06 | 1.43 | 0.92 | (0.19, 2.70) | 179 | 1.41 |
| North Shore Univ Hosp | 67 | 1 | 1.49 | 1.18 | 1.57 | (0.02, 8.75) | 67 | 1.05 |
| Suleman J | 411 | 2 | 0.49 | 0.36 | 1.69 | (0.19, 6.11) | 409 | 1.21 |
| Jamaica Hosp Med Ctr | 1 | 0 | 0.00 | 0.28 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Mount Sinai Hospital | 410 | 2 | 0.49 | 0.36 | 1.70 | (0.19, 6.12) | 408 | 1.21 |
| Sullivan P | 177 | 2 | 1.13 | 1.92 | 0.73 | (0.08, 2.65) | 71 | 0.00 |
| Buffalo General Med Ctr | 153 | 2 | 1.31 | 2.08 | 0.78 | (0.09, 2.83) | 52 | 0.00 |
| Mercy Hospital-Buffalo | 22 | 0 | 0.00 | 0.72 | 0.00 | (0.00,29.01) | 19 | 0.00 |
| Olean General Hosp. | 2 | 0 | 0.00 | 3.09 | 0.00 | (0.00,74.00) | . | . |
| Swamy S | 65 | 1 | 1.54 | 1.07 | 1.79 | (0.02, 9.98) | 49 | 0.00 |
| Richmond Univ Med Cntr | 61 | 1 | 1.64 | 1.12 | 1.82 | (0.02,10.14) | 46 | 0.00 |
| Staten Island Univ Hosp | 4 | 0 | 0.00 | 0.27 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Tamburrino F | 407 | 2 | 0.49 | 0.69 | 0.89 | (0.10, 3.21) | 357 | 0.94 |
| Richmond Univ Med Cntr | 4 | 0 | 0.00 | 0.54 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| Staten Island Univ Hosp | 403 | 2 | 0.50 | 0.69 | 0.90 | (0.10, 3.23) | 353 | 0.95 |
| Tamis-Holland J | 170 | 1 | 0.59 | 1.84 | 0.40 | (0.01, 2.22) | 110 | 0.00 |
| BronxCare Health System | 27 | 0 | 0.00 | 2.08 | 0.00 | (0.00, 8.13) | 14 | 0.00 |
| Mount Sinai Morningside | 143 | 1 | 0.70 | 1.79 | 0.49 | (0.01, 2.71) | 96 | 0.00 |
| Tomey M | 97 | 2 | 2.06 | 2.46 | 1.04 | (0.12, 3.77) | 72 | 1.13 |
| Mount Sinai Hospital | 3 | 0 | 0.00 | 0.22 | 0.00 | (0.00,100.0) | 3 | 0.00 |
| Mount Sinai Morningside | 94 | 2 | 2.13 | 2.53 | 1.05 | (0.12, 3.78) | 69 | 1.14 |
| Vahl T | 195 | 8 | 4.10 | 2.60 | 1.97 | (0.85, 3.88) | 153 | 1.77 |
| NYP-Columbia Presby. | 169 | 6 | 3.55 | 2.49 | 1.78 | (0.65, 3.87) | 145 | 1.92 |
| NYP-Lawrence Hosp | 26 | 2 | 7.69 | 3.31 | 2.90 | (0.33,10.48) | 8 | 0.00 |
| Vales L | 59 | 1 | 1.69 | 2.59 | 0.82 | (0.01, 4.54) | 45 | 0.00 |
| Bellevue Hospital Ctr | 8 | 1 | 12.50 | 15.37 | 1.02 | (0.01, 5.65) | 2 | 0.00 |
| NYU Hospitals Center | 51 | 0 | 0.00 | 0.59 | 0.00 | (0.00,15.21) | 43 | 0.00 |

Table 6, *continued*

| | All Cases | | | | | Non-Emergency 95% CI for RAMR | CASES | RAMR |
|--------------------------|------------|----------|-------------|-------------|---------------|----------------------------------|------------|-------------|
| | Cases | Deaths | OMR | EMR | RAMR | | | |
| Warchol A | 43 | 0 | 0.00 | 0.43 | 0.00 | (0.00,25.02) | 43 | 0.00 |
| NYP-Columbia Presby. | 1 | 0 | 0.00 | 0.20 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Staten Island Univ Hosp | 42 | 0 | 0.00 | 0.43 | 0.00 | (0.00,25.30) | 42 | 0.00 |
| Weinberg M | 177 | 1 | 0.56 | 1.35 | 0.52 | (0.01, 2.91) | 104 | 1.10 |
| Lenox Hill Hospital | 23 | 0 | 0.00 | 0.75 | 0.00 | (0.00,26.41) | 21 | 0.00 |
| Long Island Jewish MC | 15 | 0 | 0.00 | 1.78 | 0.00 | (0.00,17.13) | 1 | 0.00 |
| North Shore Univ Hosp | 139 | 1 | 0.72 | 1.40 | 0.64 | (0.01, 3.57) | 82 | 1.36 |
| Weinstein J | 444 | 5 | 1.13 | 1.03 | 1.36 | (0.44, 3.18) | 403 | 1.13 |
| St. Catherine of Siena | 24 | 0 | 0.00 | 1.86 | 0.00 | (0.00,10.23) | 12 | 0.00 |
| St. Francis Hospital | 28 | 0 | 0.00 | 0.55 | 0.00 | (0.00,29.52) | 27 | 0.00 |
| Univ. Hosp-Stony Brook | 392 | 5 | 1.28 | 1.02 | 1.57 | (0.51, 3.66) | 364 | 1.20 |
| Weisz G | 206 | 2 | 0.97 | 1.07 | 1.13 | (0.13, 4.10) | 182 | 1.00 |
| Montefiore - Moses | 146 | 0 | 0.00 | 0.92 | 0.00 | (0.00, 3.41) | 129 | 0.00 |
| Montefiore - Weiler | 59 | 2 | 3.39 | 1.27 | 3.33 | (0.37,12.03) | 53 | 2.56 |
| St. Barnabas Hospital | 1 | 0 | 0.00 | 10.80 | 0.00 | (0.00,42.38) | . | . |
| Wiley J | 248 | 9 | 3.63 | 1.65 | 2.75 * | (1.25, 5.21) | 165 | 1.99 |
| Elmhurst Hospital Ctr | 42 | 2 | 4.76 | 3.22 | 1.85 | (0.21, 6.66) | 2 | 0.00 |
| Montefiore - Moses | 198 | 7 | 3.54 | 1.32 | 3.33 * | (1.33, 6.87) | 156 | 2.06 |
| Montefiore - Weiler | 6 | 0 | 0.00 | 0.30 | 0.00 | (0.00,100.0) | 6 | 0.00 |
| St. Barnabas Hospital | 2 | 0 | 0.00 | 4.92 | 0.00 | (0.00,46.48) | 1 | 0.00 |
| Winston B | 560 | 7 | 1.25 | 1.07 | 1.46 | (0.58, 3.01) | 442 | 1.12 |
| Albany Med. Ctr | 87 | 1 | 1.15 | 1.72 | 0.83 | (0.01, 4.63) | 52 | 0.00 |
| Samaritan Hospital | 37 | 1 | 2.70 | 0.95 | 3.56 | (0.05,19.80) | 13 | 0.00 |
| St. Peters Hospital | 436 | 5 | 1.15 | 0.95 | 1.51 | (0.49, 3.52) | 377 | 1.37 |
| Yadav S | 224 | 5 | 2.23 | 1.32 | 2.10 | (0.68, 4.91) | 191 | 0.94 |
| Long Island Jewish MC | 2 | 0 | 0.00 | 0.16 | 0.00 | (0.00,100.0) | 2 | 0.00 |
| NYU Winthrop Hospital | 9 | 0 | 0.00 | 0.59 | 0.00 | (0.00,85.71) | 9 | 0.00 |
| St. Francis Hospital | 213 | 5 | 2.35 | 1.37 | 2.15 | (0.69, 5.01) | 180 | 0.97 |
| Yarkoni A | 381 | 6 | 1.57 | 1.51 | 1.31 | (0.48, 2.84) | 310 | 1.25 |
| Arnot Ogden Med Ctr | 2 | 0 | 0.00 | 1.67 | 0.00 | (0.00,100.0) | 1 | 0.00 |
| Bassett Medical Center | 14 | 1 | 7.14 | 1.60 | 5.59 | (0.07,31.09) | 9 | 0.00 |
| UHS-Wilson Med Ctr | 365 | 5 | 1.37 | 1.50 | 1.14 | (0.37, 2.66) | 300 | 1.29 |
| Zgheib M | 399 | 2 | 0.50 | 0.78 | 0.80 | (0.09, 2.88) | 354 | 0.83 |
| Mount Sinai Hospital | 4 | 0 | 0.00 | 0.42 | 0.00 | (0.00,100.0) | 4 | 0.00 |
| Richmond Univ Med Cntr | 24 | 0 | 0.00 | 1.18 | 0.00 | (0.00,16.17) | 9 | 0.00 |
| Staten Island Univ Hosp | 371 | 2 | 0.54 | 0.76 | 0.88 | (0.10, 3.19) | 341 | 0.85 |
| Zisfein J | 233 | 3 | 1.29 | 1.01 | 1.59 | (0.32, 4.65) | 217 | 1.10 |
| Mount Sinai South Nassau | 160 | 3 | 1.88 | 0.93 | 2.52 | (0.51, 7.37) | 145 | 1.99 |
| NYU Winthrop Hospital | 73 | 0 | 0.00 | 1.19 | 0.00 | (0.00, 5.28) | 72 | 0.00 |

CRITERIA USED IN REPORTING SIGNIFICANT RISK FACTORS (2018)

Based on Documentation in Medical Record

| Patient Risk Factor | Definitions |
|---|--|
| Demographic | |
| Body Mass Index | <p>Body Mass Index (BMI) is a measure of body size that is the ratio of the weight of the body in kilograms to the square of its height in meters and is considered an indication of nutritional status of the body.</p> <p>The formula for BMI is: $BMI = \text{Weight} / \text{Height}^2$ where Height is height in meters (m) and Weight is weight in kilograms (kg).</p> |
| Hemodynamic State | |
| Non-Refractory Cardiogenic Shock | <p>Determined just prior to the intervention.</p> <p>Non-Refractory Cardiogenic Shock is defined as an episode of systolic blood pressure <90 mmHg and/or cardiac index < 2.2 L/min/m² determined to be secondary to cardiac dysfunction and the requirement for parenteral inotropic or vasopressor agents or mechanical support (e.g., IABP, extracorporeal circulation, VAD) to maintain blood pressure and cardiac index above those specified levels.</p> |
| Refractory Cardiogenic Shock | <p>Refractory Cardiogenic Shock is defined as an episode of systolic blood pressure <80 mm Hg and/or cardiac index <2.0 L/min /m² determined to be secondary to cardiac dysfunction despite the use of parenteral inotropic or vasopressor agents or mechanical support (e.g., IABP, extracorporeal circulation, VADs).</p> |
| Comorbidities | |
| Cerebrovascular Disease | <p>The patient has cerebrovascular disease, documented by any one of the following:</p> <ul style="list-style-type: none"> • CVA/Stroke (symptoms > 24 hrs after onset, presumed to be from vascular etiology); • Non-invasive or invasive arterial imaging test demonstrating ≥80% stenosis of any of the major extracranial or intracranial vessels to the brain.; or • Previous cervical or cerebral artery revascularization surgery or percutaneous intervention. |
| Congestive Heart Failure (CHF), Current | <p>Within 2 weeks prior to the procedure, the patient has a clinical diagnosis of CHF and symptoms requiring treatment for CHF. Note: Physician diagnosis of CHF may be based on one of the following:</p> <ul style="list-style-type: none"> • Paroxysmal nocturnal dyspnea (PND) • Dyspnea on exertion (DOE) due to heart failure • Chest X-Ray showing pulmonary congestion <p>Documentation must include the presence of a diagnosis of CHF, evidence of symptoms, and treatment for CHF.</p> |

Comorbidities, continued

Congestive Heart Failure (CHF),
Past

Between 2 weeks and 6 months prior to the procedure, the patient has a clinical diagnosis / past medical history of CHF and ongoing treatment for CHF.

Note: Physician diagnosis of CHF may be based on one of the following:

- Paroxysmal nocturnal dyspnea (PND)
- Dyspnea on exertion (DOE) due to heart failure
- Chest X-Ray showing pulmonary congestion

Documentation must include a diagnosis of CHF and evidence of treatment for CHF. Patient's clinical status may be compensated.

Chronic Lung Disease

The patient has chronic lung disease, and the severity level according to the following classification:

- Mild - FEV₁ 60% to 75% of predicted, and/or on chronic inhaled or oral bronchodilator therapy.
- Moderate - FEV₁ 50% to 59% of predicted, and/or on chronic steroid therapy aimed at lung disease.
- Severe - FEV₁ <50% predicted, and/or Room Air pO₂ < 60 or Room Air pCO₂ > 50.

Diabetes

The patient has a history of diabetes diagnosed and/or treated by a healthcare provider.

High Risk of Bleeding

Patient has any of the following:

- Blood dyscrasia as defined: thrombocytopenia (PLT <100K)
- History of bleeding diathesis or coagulopathy
- Baseline Hgb < 11 g/dl (or anemia requiring transfusion during the 4 weeks prior to PCI)
- Any prior intracerebral bleed
- Hospital admission for bleeding during the prior 12 months
- Planned daily NSAID (other than aspirin) or steroids ≥ 30 days after PCI
- Clinical indication for oral anticoagulation

Malignant Ventricular Arrhythmia

Recent (within the past 14 days) sustained ventricular tachycardia requiring electrical defibrillation or conversion with intravenous antiarrhythmic agents or ventricular fibrillation requiring electrical defibrillation. Excludes V-Tach or V-Fib occurring within 6 hours of the diagnosis of a myocardial infarction and responding well to treatment.

Peripheral Vascular Disease

Angiographic demonstration of at least 50% narrowing in a major aortoiliac or femoral/popliteal vessel, previous surgery for such disease, absent femoral or pedal pulses, or the inability to insert a catheter or intra-aortic balloon due to iliac aneurysm or obstruction of the aortoiliac or femoral arteries. Ankle-Brachial Index < 0.9 is also acceptable documentation.

Renal Failure, Creatinine

The last Pre-PCI creatinine before the procedure was within the indicated range.

Renal Failure, Dialysis

The patient is on chronic peritoneal or hemodialysis.

Comorbidities, *continued***Ventricular Function**

| | |
|-------------------|--|
| Previous MI | Most recent myocardial infarction (MI) occurred in the specified time period before the intervention. |
| ST Elevation | EKG evidence of STEMI and cardiac biomarkers exceeding the upper limit of normal. |
| Ejection Fraction | The percentage of blood in the heart's left ventricle that is expelled when it contracts, with more denoting a healthier heart. Report the value of the ejection fraction taken closest to, but before, the procedure. When a calculated measure is unavailable the ejection fraction should be estimated visually from the ventriculogram or by echocardiography. |

Vessels Diseased

| | |
|------------------------|---|
| Left Main Disease | The patient has at least a 50 percent blockage in the Left Main Coronary Artery. |
| Three Vessels Diseased | The patient has at least a 70 percent blockage in each of the three native coronary arteries including the Left Anterior Descending (LAD), the Right Coronary Artery (RCA) and the Left Circumflex (LCX) or their major branches. |
| Two Vessels Diseased | The patient has at least a 70 percent blockage in two of the native coronary arteries including the Left Anterior Descending (LAD), the Right Coronary Artery (RCA), and the Left Circumflex (LCX) or their major branches. |

Anoxic Brain Injury

| | |
|---|---|
| Criteria for Anoxic Brain Injury Mortality Exclusion | <p>Pre-PCI Criteria</p> <ol style="list-style-type: none">1. AMI: PCI is done for Acute Myocardial Infarction;2. Cardiac Arrest: Documented cardiac arrest has occurred as part of initial presentation for the AMI and before the patient is brought to the cardiac catheterization laboratory (typically out-of-hospital cardiac arrest);3. Coma: The patient had normal consciousness before the cardiac arrest, but becomes comatose, broadly defined as the failure to exhibit adequate responsiveness to external stimuli with the understanding that early after cardiac arrest this can be due to multiple factors and not just prolonged hypoxia. There is no need to "prove" anoxic/hypoxic encephalopathy at this time and indeed it cannot be "proven". |
|---|---|

**Variables in TAVR model not used
in PCI models**

| | |
|---|--|
| Extensive Aortic Atherosclerosis | Ascending, transverse, and/or descending aortic atherosclerosis marked by either extensive calcification or luminal atheroma such that the intended surgical procedure is altered. |
| Tricuspid Valve Incompetence, Moderate or Severe | The patient has evidence of acute or chronic moderate severe tricuspid valve incompetence as demonstrated by physical exam or by pre-op or intraoperative echocardiography. |
| Previous Valve History | The patient has previously undergone surgery or catheter-based intervention for valve repair or replacement. |

MEDICAL TERMINOLOGY

angina pectoris – The pain or discomfort felt when blood flow to the heart muscle is impeded by blockages in the coronary arteries. This can also be caused by an arterial spasm.

arteriosclerosis – The group of diseases characterized by thickening and loss of elasticity of the arterial walls, popularly called “hardening of the arteries.” Also called *atherosclerotic coronary artery disease* or *coronary artery disease*.

atherosclerosis – One form of arteriosclerosis in which plaques or fatty deposits form in the inner layer of the arteries.

cardiac catheterization – Also known as *coronary angiography*, a procedure for diagnosing the condition of the heart and the arteries connecting to it. A thin tube threaded through an artery to the heart releases a dye, which allows doctors to observe blockages with an X-ray camera. This procedure is required before PCI is performed.

cardiovascular disease – Disease of the heart and blood vessels, the most common form is coronary artery disease.

coronary arteries – The arteries that supply the heart muscle with blood. When they are narrowed or blocked, oxygen-rich blood cannot flow freely to the heart muscle or myocardium.

coronary artery bypass graft surgery (CABG) – A procedure in which a vein or artery from another part of the body is used to create an alternate path for blood to flow to the heart, bypassing the arterial blockage. Typically, a section of one of the large saphenous veins in the leg, the radial artery in the arm or the mammary artery in the chest is used to construct the bypass. One or more bypasses may be performed during a single operation. When no other major heart surgery (such as valve replacement) is included, the operation is referred to as an isolated CABG.

ischemic heart disease (ischemia) – Heart disease that occurs as a result of inadequate blood supply to the heart muscle or myocardium.

lesion – An irregular growth of fiber and tissue.

myocardial infarction – Partial destruction of the heart muscle due to interrupted blood supply, also called a *heart attack*.

percutaneous coronary intervention (PCI) (angioplasty or percutaneous transluminal coronary angioplasty) – Typically in this procedure, a balloon catheter is threaded up to the site of blockage in an artery in the heart, and is then inflated to push arterial plaque against the wall of the artery to create a wider channel in the artery. Other procedures or devices are frequently used in conjunction with the catheter to remove plaque. In particular, stents are used for most patients and procedures such as atherectomies and thrombectomy are sometimes used.

plaque – Also called *atheroma*, this is the fatty deposit in the coronary artery that can block blood flow.

risk factors for heart disease – Certain risk factors have been found to increase the likelihood of developing heart disease. Some are controllable or avoidable and some cannot be controlled. The biggest heart disease risk factors are heredity, gender and age, all of which cannot be controlled. Men are much more likely to develop heart disease than women before the age of 55, although it is the number one killer of both men and women. Some controllable risk factors that contribute to a higher likelihood of developing coronary artery disease are high cholesterol levels, cigarette smoking, high blood pressure (hypertension), obesity, a sedentary lifestyle or lack of exercise, diabetes and poor stress management.

ST segment elevation myocardial infarction (STEMI) – This heart attack, or MI, is caused by a prolonged period of blocked blood supply and affects a large area of the heart muscle, and so causes changes on the EKG as well as in blood levels of key chemical markers.

stenosis – The narrowing of an artery due to blockage. *Restenosis* is when the narrowing recurs after PCI or surgery.

Appendix 1

2018 Risk Factors For PCI In-Hospital/30-Day Mortality (ALL CASES)

The significant pre-procedural risk factors for in-hospital/30-day mortality following PCI in 2018 are presented in the table that follows. Roughly speaking, the odds ratio for a risk factor represents the number of times more likely to die in the hospital during or after PCI or after hospital discharge but within 30 days of the PCI a patient with that risk factor is than a patient without the risk factor, all other risk factors being the same. For example, the odds ratio for the risk factor Congestive Heart Failure (CHF) - Current is 1.826. This means that a patient with CHF within two weeks is approximately 1.826 times as likely to die in the hospital during the same admission as PCI or after hospital discharge but within 30 days of the PCI as a patient without CHF who has the same other significant risk factors. The risk factors Body Mass Index (BMI) > 40 kg/m², High Risk of Bleeding, Peripheral Vascular Disease, Left Main Disease, and One or More Previous PCI are also interpreted in the same way.

With regard to age, the odds ratio roughly represents the number of times more likely to die a patient who is over age 55 is than another patient who is one year younger, all other significant risk factors being the same. Thus, a patient undergoing PCI who is 56 years old has approximately 1.057 times the chance of dying in the hospital or within 30 days that a 55 year-old patient has, all other risk factors being the same. All patients aged fifty-five years or younger have roughly the same odds of dying in the hospital or after discharge but within 30 days, if their other risk factors are identical.

In this model, Hemodynamic status is represented by three groups: Patients with Non-Refractory Cardiogenic shock (with or without cardiac arrest); Patients with Cardiac Arrest that do not have Cardiogenic Shock; and Patients who have neither Non-Refractory Cardiogenic shock nor Cardiac Arrest. The last group is the reference category and the odds ratio for the

other groups is compared to patients in this group.

Ejection Fraction, which is the percentage of blood in the heart's left ventricle that is expelled when it contracts (with more denoting a healthier heart), is subdivided into five ranges (less than 20 percent, 20 percent to 29 percent, 30 percent to 39 percent, 40 percent to 49 percent, and 50 percent or more). The last range is referred to as the reference category. This means that the odds ratio that appears for the other Ejection Fraction categories in the table is relative to patients with an ejection fraction of 50 percent or more. Thus, a PCI patient with an ejection fraction of less than 20 percent is about 5.187 times as likely to die in the hospital or within 30 days as a patient with an ejection fraction of 50 percent or higher, all other significant risk factors being the same.

Previous MI is subdivided into nine ranges. Six categories separate cases with MI within 24 hours by type of MI (STEMI or NSTEMI) and number of hours between the MI and the PCI. There are also groups for any MI (STEMI or NSTEMI) from 1-7 days and 8-14 days; and no MI within fourteen days prior to the procedure. The last range is referred to as the reference category. The odds ratio for the Previous MI ranges are relative to patients who have not had an MI within fourteen days prior to PCI.

In this model Chronic Lung Disease is divided into three categories: Mild, Moderate or Severe, and None. The odds ratios for patients with each of the first two levels are compared to patients with no chronic lung disease.

Renal Failure is subdivided into seven groups. Five categories represent patients with various levels of elevated creatinine, but no dialysis. The sixth category includes patients with renal failure on dialysis. These groups are relative to patients who are not on dialysis and whose last pre-PCI creatinine value was less than 1.2 mg/dL.

Appendix 1

Multivariate Risk-Factor Equation for In-Hospital/30-Day Deaths During or Following PCI, 2018 (All Cases)

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | Odds Ratio |
|---|----------------|------------------------|---------|------------|
| Demographic | | | | |
| Age: number of years > 55 | -- | 0.0555 | <.0001 | 1.057 |
| Body Mass Index (BMI) > 40 kg/m ² | 5.56 | 0.5404 | 0.0011 | 1.717 |
| Hemodynamic Status | | | | |
| No Non-Refractory Shock and No Cardiac Arrest | 98.65 | – Reference – | | 1.000 |
| Non-Refractory Shock with or without Cardiac Arrest | 0.53 | 1.8189 | <.0001 | 6.165 |
| Cardiac Arrest without Non-Refractory Shock | 0.82 | 0.9843 | <.0001 | 2.676 |
| Ventricular Function | | | | |
| Ejection Fraction | | | | |
| Ejection Fraction 50% or greater | 72.13 | – Reference -- | | 1.000 |
| Ejection Fraction less than 20% | 0.95 | 1.6462 | <.0001 | 5.187 |
| Ejection Fraction 20-29% | 4.14 | 1.1399 | <.0001 | 3.127 |
| Ejection Fraction 30-39% | 7.95 | 0.7950 | <.0001 | 2.214 |
| Ejection Fraction 40-49% | 14.84 | 0.3065 | 0.0070 | 1.359 |
| Pre-Procedural MI | | | | |
| No MI within 14 Days | 65.55 | – Reference – | | 1.000 |
| MI with ST Elevation | | | | |
| MI < 6 hrs | 9.58 | 1.9391 | <.0001 | 6.953 |
| MI 6-11 hrs | 1.53 | 2.0820 | <.0001 | 8.021 |
| MI 12 – 23 hrs | 0.79 | 1.8944 | <.0001 | 6.649 |
| MI without ST Elevation | | | | |
| MI < 6 hrs | 0.84 | 1.4656 | <.0001 | 4.330 |
| MI 6-11 hrs | 1.56 | 1.6880 | <.0001 | 5.409 |
| MI 12 – 23 hrs | 3.36 | 0.9541 | <.0001 | 2.596 |
| MI with or without ST Elevation | | | | |
| MI 1-7 days | 15.69 | 1.1427 | <.0001 | 3.135 |
| MI 8-14 days | 1.12 | 1.0089 | <.0001 | 2.743 |
| Comorbidities | | | | |
| Chronic Lung Disease | | | | |
| None | 93.62 | – Reference – | | 1.000 |
| Mild | 5.04 | 0.4715 | 0.0009 | 1.602 |
| Moderate or Severe | 1.34 | 0.7562 | 0.0003 | 2.130 |
| Congestive Heart Failure, Current (within 2 weeks) | 8.21 | 0.6023 | <.0001 | 1.826 |
| High Risk of Bleeding | 10.60 | 0.2882 | 0.0042 | 1.334 |
| Peripheral Vascular Disease | 9.49 | 0.4176 | 0.0001 | 1.518 |
| Renal Failure | | | | |
| No Renal Dialysis and Creatinine < 1.2 mg/dL | 70.12 | – Reference – | | 1.000 |
| No Renal Dialysis | | | | |
| Creatinine ≥ 1.2 and ≤ 1.5 mg/dL | 19.02 | 0.3964 | 0.0001 | 1.487 |
| Creatinine > 1.5 and ≤ 2.0 mg/dL | 5.21 | 0.8939 | <.0001 | 2.445 |
| Creatinine > 2.0 and ≤ 2.5 mg/dL | 1.13 | 0.9160 | <.0001 | 2.499 |
| Creatinine > 2.6 and ≤ 3.0 mg/dL | 0.49 | 1.0581 | 0.0013 | 2.881 |
| Creatinine > 3.0 mg/dL | 0.66 | 1.3362 | <.0001 | 3.805 |
| Renal Dialysis | 3.38 | 1.4112 | <.0001 | 4.101 |
| Vessel Diseased | | | | |
| Left Main Disease | 4.89 | 0.5771 | <.0001 | 1.781 |
| Cardiac History | | | | |
| One or More Previous PCI | 44.59 | -0.3984 | <.0001 | 0.671 |

Intercept = -6.8587

C Statistic = 0.873

Appendix 2

2018 Risk Factors For In-Hospital/30-Day Mortality For Non-Emergency PCI

Appendix 2 contains the significant pre-procedural risk factors for 2018 New York State PCI patients who were not emergency patients (were not hemodynamically unstable and who did not suffer a heart attack within 24 hours prior to the PCI being performed).

The interpretation for Age, Ejection Fraction, Chronic Lung Disease, CHF-Current, Left Main Disease and One or More Previous PCI are the same as presented in Appendix 1.

Body Mass Index (BMI) is a relationship of weight to height and is considered an indication of

nutritional status of the body. In this model, BMI is divided into three groups representing various levels of BMI. The reference group is patients with BMI of at least 18.5 kg/m² but less than 40 kg/m². This means that odds of death are higher for patients with higher and lower BMI, when all other significant risk factors are the same.

Renal Failure and Previous MI are also interpreted in the same way as Appendix 1, although the number of categories for each of these risks differs in this model.

Appendix 2

Multivariate Risk-Factor Equation for In-Hospital/30-Day Deaths During or Following PCI, 2018 (Non-Emergency Cases)

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | Odds Ratio |
|--|----------------|------------------------|---------|------------|
| Demographic | | | | |
| Age: number of years > 55 | — | 0.0498 | <.0001 | 1.051 |
| Body Mass Index (kg/m ²) | | | | |
| < 18.5 kg/m ² | 0.89 | 0.8431 | 0.0051 | 2.324 |
| ≥ 18.5 and < 40.0 kg/m ² | 93.45 | — Reference — | | 1.000 |
| ≥ 40.0 kg/m ² | 5.66 | 0.4763 | 0.0282 | 1.610 |
| Ventricular Function | | | | |
| Ejection Fraction | | | | |
| Ejection Fraction 50% or greater | 76.63 | — Reference — | | 1.000 |
| Ejection Fraction less than 20% | 0.83 | 1.1314 | <.0001 | 3.100 |
| Ejection Fraction 20-29% | 3.48 | 1.0312 | <.0001 | 2.805 |
| Ejection Fraction 30-39% | 6.56 | 0.6482 | <.0001 | 1.912 |
| Ejection Fraction 40-49% | 12.51 | 0.3813 | 0.0115 | 1.464 |
| Pre-Procedural MI | | | | |
| No MI within 14 Days | 79.73 | — Reference — | | 1.000 |
| MI 1-7 days | 18.93 | 1.1680 | <.0001 | 3.216 |
| MI 8-14 Days | 1.34 | 1.0772 | <.0001 | 2.937 |
| Comorbidities | | | | |
| Chronic Lung Disease | | | | |
| None | 93.20 | — Reference — | | 1.000 |
| Mild | 5.37 | 0.3668 | 0.0457 | 1.443 |
| Moderate or Severe | 1.43 | 1.1531 | <.0001 | 3.168 |
| Congestive Heart Failure (CHF), Current (within 2 weeks) | 8.56 | 0.8423 | <.0001 | 2.322 |
| Renal Failure | | | | |
| No Renal Dialysis | | | | |
| Creatinine < 1.2 mg/dL | 69.69 | — Reference — | | 1.000 |
| Creatinine ≥ 1.2 and ≤ 1.5 mg/dL | 18.86 | 0.4510 | 0.0012 | 1.570 |
| Creatinine > 1.5 and ≤ 2.5 mg/dL | 6.47 | 0.8171 | <.0001 | 2.264 |
| Creatinine > 2.6 and ≤ 3.0 mg/dL | 0.50 | 0.9120 | 0.0394 | 2.489 |
| Creatinine > 3.0 mg/dL | 0.67 | 1.1524 | 0.0024 | 3.166 |
| Renal Dialysis | 3.81 | 1.4005 | <.0001 | 4.057 |
| Vessels | | | | |
| Left Main Disease | 5.27 | 0.6329 | <.0001 | 1.883 |
| Cardiac History | | | | |
| One or More Previous PCI | 49.36 | -0.3136 | 0.0047 | 0.731 |

Intercept = -6.7410

C Statistic = 0.851

Appendix 3

2018 Risk Factors For 30-Day Readmission For PCI

The significant pre-procedural risk factors for 30-day readmissions following PCI in 2018 are presented in the table that follows. The interpretation for age is the same as described in Appendix 1 and 2. For Ejection Fraction, Previous MI, Chronic Lung Disease, and Renal Failure, the interpretation is generally the same as Appendix 1 or 2, but the groups are constructed differently in this model.

The interpretation for Female, Non-Refractory Shock, Diabetes with Insulin Treatment, High Risk of Bleeding, Previous Organ Transplant, and Stroke are similar to that described for CHF-Current in Appendix 1.

In this model, Body Mass Index is divided into three groups, with patients with body mass index

of 18.5 kg/m² and above serving as the reference category.

Congestive Heart Failure (CHF) is divided into three groups (patients with CHF in the past two weeks, patients with CHF within six months but not within the past two weeks, and patients with no CHF within 6 months). The odds ratios for CHF-Current and CHF-Past are relative to patients with no CHF within the past 6 months.

In this model, Number of Vessels Diseased is split into three groups: Fewer than Two Vessels Diseased, Two Vessels Diseased; and Three Vessels Diseased. The odds ratio for two and three vessels diseased are relative to patients with fewer than two vessels diseased.

Appendix 3

Multivariate Risk-Factor Equation for 30-Day Readmission Following PCI, 2018

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | Odds Ratio |
|---|----------------|------------------------|---------|------------|
| Demographic | | | | |
| Age: Number of years greater than 55 | -- | 0.0218 | <.0001 | 1.020 |
| Female | 29.57 | 0.2739 | <.0001 | 1.315 |
| Body Mass Index (kg/m ²) | | | | |
| < 16.5 kg/m ² | 0.89 | 0.4523 | 0.0012 | 1.572 |
| ≥ 16.5 and < 18.5 kg/m ² | 20.32 | 0.1006 | 0.0129 | 1.106 |
| ≥ 18.5 kg/m ² | 78.79 | — Reference — | | 1.000 |
| Hemodynamic Status | | | | |
| Non-Refractory Shock | 0.38 | 0.6275 | 0.0008 | 1.873 |
| Ventricular Function | | | | |
| Ejection Fraction | | | | |
| Ejection Fraction 50% or greater | 72.60 | — Reference — | | 1.000 |
| Ejection Fraction less than 20% | 0.88 | 0.6377 | <.0001 | 1.892 |
| Ejection Fraction 20-39% | 11.75 | 0.1939 | 0.0001 | 1.214 |
| Ejection Fraction 40-49% | 14.76 | 0.1062 | 0.0244 | 1.112 |
| Pre-Procedural MI | | | | |
| No MI within 14 days | 65.30 | — Reference — | | 1.000 |
| MI < 24 hours with ST Elevation | 11.82 | 0.4830 | <.0001 | 1.621 |
| MI < 24 hours without ST Elevation | 5.89 | 0.2448 | 0.0007 | 1.277 |
| MI with or without ST Elevation | | | | |
| MI 1-14 Days | 16.98 | 0.3922 | <.0001 | 1.480 |
| Comorbidities | | | | |
| Congestive Heart Failure (CHF) | | | | |
| No CHF within 6 months | 85.96 | — Reference — | | 1.000 |
| CHF, Current (within 2 weeks) | 8.18 | 0.4824 | <.0001 | 1.620 |
| CHF, Past but not Current (2 wks - 6 mon) | 5.86 | 0.3132 | <.0001 | 1.368 |
| Chronic Lung Disease | | | | |
| None | 93.54 | — Reference — | | 1.000 |
| Mild | 5.12 | 0.3039 | <.0001 | 1.355 |
| Moderate | 0.82 | 0.4086 | 0.0041 | 1.505 |
| Severe | 0.52 | 0.4559 | 0.0105 | 1.578 |
| Diabetes with Insulin Treatment | 15.71 | 0.3471 | <.0001 | 1.415 |
| High Risk of Bleeding | 10.42 | 0.4518 | <.0001 | 1.571 |
| Previous Organ Transplant | 0.58 | 0.4602 | 0.0045 | 1.584 |
| Renal Failure | | | | |
| No Renal Dialysis | | | | |
| Creatinine ≤ 1.5 mg/dL | 89.47 | — Reference — | | 1.000 |
| Creatinine > 1.5 and ≤ 2.0 mg/dL | 5.04 | 0.3337 | <.0001 | 1.396 |
| Creatinine > 2.0 and ≤ 2.5 mg/dL | 1.51 | 0.5759 | <.0001 | 1.779 |
| Creatinine >2.5 mg/dL | 1.10 | 0.6494 | <.0001 | 1.914 |
| Renal Dialysis | 3.31 | 0.8816 | <.0001 | 2.415 |
| Stroke | 5.98 | 0.2551 | <.0001 | 1.291 |
| Vessels | | | | |
| Number of Vessels Diseased | | | | |
| Fewer than Two Vessels Diseased | 55.66 | — Reference — | | 1.000 |
| Two Vessels Diseased | 31.76 | 0.1591 | <.0001 | 1.172 |
| Three Vessels Diseased | 12.58 | 0.2235 | <.0001 | 1.250 |

Intercept = -3.2785

C Statistic = 0.682

Appendix 4

2016-2018 Risk Factors for PCI In-Hospital/30-Day Mortality (ALL CASES)

The significant pre-procedural risk factors for in-hospital/30-day mortality following PCI in the 2016-2018 time period are presented in the table that follows. The interpretation of this table is similar to the interpretation of Appendices 1-3. Most variables are interpreted in the same way as previously described although in some cases the levels of the variable are divided differently.

Cerebrovascular Disease (not TIA only) and Malignant Ventricular Arrhythmia are interpreted in the same way as CHF-Current in Appendix 1; the patient either had the risk factor or does not.

The Sum of Risk Factors Squared term is merely the square of the number of risk factors in Appendix 4 that a patient has (not counting age) and is used to improve the ability of the model to predict mortality.

Appendix 4

Multivariate Risk-Factor Equation for In-Hospital/30-Day Deaths During or Following PCI, 2016-2018 (All Cases)

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | OR |
|---|----------------|------------------------|---------|--------|
| Demographic | | | | |
| Age: Number of years greater than 65 | – | 0.0611 | <.0001 | 1.065 |
| Female Gender | 29.18 | 0.6833 | <.0001 | 1.980 |
| Body Mass Index (kg/m ²) | | | | |
| < 16.5 kg/m ² | 0.20 | 1.5730 | <.0001 | 4.821 |
| ≥ 16.5 and < 18.5 kg/m ² | 0.68 | 1.0805 | <.0001 | 2.946 |
| ≥ 18.5 and < 25.0 kg/m ² | 20.57 | 0.5852 | <.0001 | 1.795 |
| ≥ 25.0 and < 35.0 kg/m ² | 62.62 | – Reference – | | 1.000 |
| ≥ 35.0 kg/m ² | 15.93 | 0.5904 | <.0001 | 1.805 |
| Hemodynamic Status | | | | |
| Non-Refractory Shock | 0.49 | 2.3048 | <.0001 | 10.022 |
| Ventricular Function | | | | |
| Ejection Fraction | | | | |
| Ejection Fraction 50% or greater | 72.33 | – Reference – | | 1.000 |
| Ejection Fraction less than 20% | 0.89 | 1.7978 | <.0001 | 6.036 |
| Ejection Fraction 20-29% | 4.05 | 1.3699 | <.0001 | 3.935 |
| Ejection Fraction 30-39% | 7.91 | 1.1030 | <.0001 | 3.013 |
| Ejection Fraction 40-49% | 14.81 | 0.6993 | <.0001 | 2.012 |
| Pre-Procedural MI | | | | |
| No MI within 20 Days | 65.30 | – Reference – | | 1.000 |
| MI with ST Elevation | | | | |
| MI < 6 hrs | 9.41 | 2.1983 | <.0001 | 9.009 |
| MI 6-11 hrs | 1.54 | 2.4822 | <.0001 | 11.967 |
| MI 12 – 23 hrs | 0.83 | 2.4777 | <.0001 | 11.914 |
| MI without ST Elevation | | | | |
| MI < 6 hrs | 0.81 | 1.7926 | <.0001 | 6.005 |
| MI 6-11 hrs | 1.50 | 1.5549 | <.0001 | 4.735 |
| MI 12 –23hrs | 3.30 | 1.4068 | <.0001 | 4.083 |
| MI 1-7 Days | 15.83 | 1.4085 | <.0001 | 4.090 |
| MI 8-20 Days | 1.49 | 1.3374 | <.0001 | 3.809 |
| Comorbidities | | | | |
| Cerebrovascular Disease (not TIA only) | 8.04 | 0.7324 | <.0001 | 2.080 |
| Chronic Lung Disease | | | | |
| None | 93.62 | --Reference-- | | 1.000 |
| Mild | 4.95 | 0.8204 | <.0001 | 2.271 |
| Moderate | 1.01 | 0.9814 | <.0001 | 2.668 |
| Severe | 0.43 | 1.4748 | <.0001 | 4.370 |
| Congestive Heart Failure (CHF) (within 2 weeks) | 7.98 | 1.1099 | <.0001 | 3.034 |
| Diabetes with Insulin Therapy | 15.71 | 0.5952 | <.0001 | 1.813 |
| Malignant Ventricular Arrhythmia | 0.71 | 1.0971 | <.0001 | 2.995 |
| Peripheral Vascular Disease | 9.37 | 0.8729 | <.0001 | 2.394 |
| Renal Failure | | | | |
| No Renal Dialysis | | | | |
| Creatinine < 1.2 mg/dL | 70.65 | – Reference – | | 1.000 |
| Creatinine ≥ 1.2 and ≤ 1.5 mg/dL | 19.02 | 0.6824 | <.0001 | 1.979 |
| Creatinine > 1.5 and ≤ 2.0 mg/dL | 5.03 | 1.1438 | <.0001 | 3.139 |
| Creatinine > 2.0 and ≤ 2.5 mg/dL | 1.11 | 1.2195 | <.0001 | 3.385 |
| Creatinine >2.5 mg/dL | 1.07 | 1.5779 | <.0001 | 4.845 |
| Renal Dialysis | 3.12 | 1.4834 | <.0001 | 4.408 |
| Vessels | | | | |
| Left Main Disease | 4.52 | 0.9293 | <.0001 | 2.533 |
| Number of Vessels Diseased | | | | |
| Fewer than Two Vessels Diseased | 55.15 | – Reference – | | 1.000 |
| Two Vessels Diseased | 31.79 | 0.4987 | <.0001 | 1.647 |
| Three Vessels Diseased | 13.06 | 0.7448 | <.0001 | 2.106 |
| Sum of Risk Factors Squared | – | -0.0409 | <.0001 | – |

Intercept = -7.6136

C Statistic = 0.870

Appendix 5

2016-2018 Risk Factors for In-Hospital/30-Day Mortality for Non-Emergency PCI

The significant pre-procedural risk factors for in-hospital/30-day mortality following Non-Emergency PCI in the 2016-2018 time period are presented in the Appendix 5 table below. The interpretation for this appendix is similar to the interpretation of Appendices 1-4 described previously.

Appendix 5

Multivariate Risk-Factor Equation for In-Hospital/30-Day Deaths During or Following PCI, 2016-2018 (Non-Emergency Cases)

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | Odds Ratio |
|---|----------------|------------------------|------------------|------------|
| Demographic | | | | |
| Age: Number of years greater than 65 | – | 0.0570 | <.0001 | 1.059 |
| Female | 29.56 | 0.7264 | <.0001 | 2.068 |
| Body Mass Index (kg/m ²) | | | | |
| < 16.5 kg/m ² | 0.20 | 1.7704 | <.0001 | 5.873 |
| ≥ 16.5 and < 18.5 kg/m ² | 0.66 | 1.2203 | <.0001 | 3.388 |
| ≥ 18.5 and < 25.0 kg/m ² | 20.37 | 0.6448 | <.0001 | 1.906 |
| ≥ 25.0 and ≤ 40.0 kg/m ² | 73.00 | --- Reference --- | | 1.000 |
| > 40.0 kg/m ² | 5.77 | 0.7468 | <.0001 | 2.110 |
| Ventricular Function | | | | |
| Ejection Fraction | | | | |
| Ejection Fraction 50% or greater | 76.75 | --- Reference --- | | 1.000 |
| Ejection Fraction less than 20% | 0.77 | 1.7208 | <.0001 | 5.589 |
| Ejection Fraction 20-29% | 3.44 | 1.4101 | <.0001 | 4.096 |
| Ejection Fraction 30-39% | 6.55 | 1.1954 | <.0001 | 3.305 |
| Ejection Fraction 40-49% | 12.49 | 0.7691 | <.0001 | 2.158 |
| Pre-Procedural MI 1-20 Days | 20.85 | 1.4412 | <.0001 | 4.226 |
| Comorbidities | | | | |
| Cerebrovascular Disease (not TIA only) | 8.65 | 0.7650 | <.0001 | 2.149 |
| Chronic Lung Disease | | | | |
| None | 93.26 | --- Reference --- | | 1.000 |
| Mild | 5.22 | 0.7456 | <.0001 | 2.108 |
| Moderate | 1.05 | 1.2082 | <.0001 | 3.347 |
| Severe | 0.46 | 1.5749 | <.0001 | 4.830 |
| Congestive Heart Failure (CHF) (within 2 weeks) | 8.33 | 1.1788 | <.0001 | 3.250 |
| Diabetes with Insulin Therapy | 17.00 | 0.6884 | <.0001 | 1.991 |
| Malignant Ventricular Arrhythmia | 0.52 | 1.2987 | <.0001 | 3.665 |
| Peripheral Vascular Disease | 10.28 | 0.8259 | <.0001 | 2.284 |
| Renal Failure | | | | |
| No Renal Dialysis | | | | |
| Creatinine < 1.2 mg/dL | 70.26 | --- Reference --- | | 1.000 |
| Creatinine ≥ 1.2 and ≤ 1.5 mg/dL | 18.92 | 0.6633 | <.0001 | 1.941 |
| Creatinine > 1.5 and ≤ 2.5 mg/dL | 6.23 | 1.0076 | <.0001 | 2.739 |
| Creatinine >2.5 mg/dL | 1.08 | 1.4205 | <.0001 | 4.139 |
| Renal Dialysis | 3.50 | 1.3728 | <.0001 | 3.946 |
| Vessels Diseased | | | | |
| Left Main Disease | 4.82 | 1.0061 | <.0001 | 2.735 |
| Number of Vessels Diseased | | | | |
| Fewer than Two Vessels Diseased | 55.20 | --- Reference --- | | 1.000 |
| Two Vessels Diseased | 31.84 | 0.5400 | <.0001 | 1.716 |
| Three Vessels Diseased | 12.96 | 0.7437 | <.0001 | 2.104 |
| Sum of Risk Factors Squared | -- | -0.0465 | <.0001 | – |

Intercept = -7.5777

C Statistic = 0.856

Appendix 6

2016-2018 Risk Factors for In-Hospital/30-Day Mortality for Emergency PCI

The significant pre-procedural risk factors for in-hospital/30-day mortality following Emergency PCI in the 2016-2018 time period are presented in the Appendix 6 table below. The interpretation of this table is similar to the interpretation of Appendices 1-5.

Appendix 6

Multivariate Risk-Factor Equation for In-Hospital/30-Day Deaths During or Following PCI, 2016-2018 (Emergency Cases)

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | OR |
|---|----------------|------------------------|---------|--------|
| Demographic | | | | |
| Age: Number of years greater than 45 | – | 0.0517 | <.0001 | 1.060 |
| Body Mass Index (kg/m ²) | | | | |
| < 16.5 kg/m ² | 0.20 | 1.4131 | 0.0017 | 4.109 |
| ≥ 16.5 and < 18.5 kg/m ² | 0.78 | 1.1375 | 0.0002 | 3.119 |
| ≥ 18.5 and < 25.0 kg/m ² | 21.49 | 0.7625 | <.0001 | 2.144 |
| ≥ 25.0 and < 35.0 kg/m ² | 62.78 | — Reference — | | 1.000 |
| ≥ 35.0 kg/m ² | 14.74 | 0.9124 | <.0001 | 2.490 |
| Hemodynamic Status | | | | |
| Non-Refractory Shock | 2.82 | 2.4041 | <.0001 | 11.068 |
| Ventricular Function | | | | |
| Ejection Fraction | | | | |
| Ejection Fraction 50% or greater | 51.61 | — Reference — | | 1.000 |
| Ejection Fraction less than 20% | 1.44 | 2.0827 | <.0001 | 8.026 |
| Ejection Fraction 20-29% | 6.94 | 1.5187 | <.0001 | 4.566 |
| Ejection Fraction 30-39% | 14.30 | 1.2100 | <.0001 | 3.354 |
| Ejection Fraction 40-49% | 25.71 | 0.8061 | <.0001 | 2.239 |
| Pre-Procedural MI | | | | |
| No STEMI within 24 hrs | 32.97 | — Reference — | | 1.000 |
| STEMI within 24 hrs | 67.03 | 1.2505 | <.0001 | 3.492 |
| Comorbidities | | | | |
| Chronic Lung Disease | 4.69 | 1.1164 | <.0001 | 3.054 |
| Congestive Heart Failure (CHF) (within 2 weeks) | 6.30 | 1.3350 | <.0001 | 3.800 |
| Peripheral Vascular Disease | 5.12 | 1.3385 | <.0001 | 3.813 |
| Renal Failure | | | | |
| No Renal Dialysis | | | | |
| Creatinine < 1.2 mg/dL | 72.48 | — Reference — | | 1.000 |
| Creatinine ≥ 1.2 and ≤ 1.5 mg/dL | 19.51 | 0.8884 | <.0001 | 2.431 |
| Creatinine > 1.5 and ≤ 2.0 mg/dL | 4.65 | 1.5294 | <.0001 | 4.615 |
| Creatinine > 2.0 and ≤ 2.5 mg/dL | 1.05 | 1.7156 | <.0001 | 5.560 |
| Creatinine >2.5 mg/dL | 1.00 | 1.9596 | <.0001 | 7.097 |
| Renal Dialysis | 1.31 | 1.9425 | <.0001 | 6.976 |
| Vessels Diseased | | | | |
| Left Main Disease | 3.10 | 1.1218 | <.0001 | 3.070 |
| Three Vessels Diseased | 13.57 | 0.9733 | <.0001 | 2.647 |
| Sum of Risk Factors Squared | – | -0.0839 | <.0001 | – |

Intercept = -7.0656

C Statistic = 0.848

Appendix 7

Risk Factors for TAVR In-Hospital/30-Day Mortality in New York State 2016-2018

Most of the significant pre-procedural risk factors for in-hospital/30-day mortality following TAVR in the 2016-2018 time period presented in the table that follows have been previously described.

Extensive Aortic Atherosclerosis is interpreted in the same way as CHF-Current in Appendix 1. There are three categories for Tricuspid Valve Incompetence: None or Mild; Moderate, and Severe. The first category is the reference category. The other risk factors in this model are interpreted as described in Appendices 1 – 6.

Appendix 7

Multivariable Risk Factor Equation for TAVR In-Hospital / 30-Day Deaths in New York State in 2016-2018.

| Patient Risk Factors | Prevalence (%) | Regression Coefficient | P value | Odds Ratio |
|--|----------------|------------------------|---------|------------|
| Demographic | | | | |
| Age: Number of years > 75 | — | 0.0486 | <.0001 | 1.050 |
| Female | 49.22 | 0.5280 | <.0001 | 1.696 |
| Ventricular Function | | | | |
| Ejection Fraction < 30% | 5.38 | 0.4156 | 0.0455 | 1.515 |
| Previous MI within 20 days | 1.83 | 0.7244 | 0.0155 | 2.064 |
| Comorbidities | | | | |
| Chronic Lung Disease, Moderate or Severe | 12.75 | 0.6155 | <.0001 | 1.851 |
| Extensive Aortic Atherosclerosis | 1.98 | 0.8629 | 0.0016 | 2.370 |
| Peripheral Vascular Disease | 19.73 | 0.3326 | 0.0126 | 1.395 |
| Renal Failure | | | | |
| No Renal Dialysis and Creatinine ≤ 1.3 mg/dL | 67.77 | — Reference — | | 1.000 |
| Creatinine 1.3 - 1.5 mg/dL | 15.08 | 0.4500 | 0.0059 | 1.568 |
| Creatinine 1.6 – 2.0 mg/dL | 8.65 | 0.5854 | 0.0021 | 1.796 |
| Creatinine ≥2.1 mg/dL or Renal Dialysis | 8.50 | 1.1526 | <.0001 | 3.167 |
| Valve Disease | | | | |
| Tricuspid Valve Incompetence | | | | |
| None or Mild | 78.20 | — Reference — | | 1.000 |
| Moderate | 17.44 | 0.4019 | 0.0039 | 1.495 |
| Severe | 4.36 | 0.8746 | <.0001 | 2.398 |
| Vessels Diseased | | | | |
| Three Vessels Diseased | 2.19 | 0.7021 | 0.0135 | 2.018 |
| Cardiac History | | | | |
| Previous Valve Surgery | 13.65 | 0.3369 | 0.0241 | 1.401 |

Intercept = -5.1674

C Statistic = 0.702

NEW YORK STATE PERCUTANEOUS CORONARY INTERVENTION CENTERS

Albany Medical Center

47 New Scotland Avenue
Albany, New York 12208

Arnot Ogden Medical Center

600 Roe Avenue
Elmira, New York 14905

Bassett Medical Center

1 Atwell Road
Cooperstown, New York 13326

Bellevue Hospital Center

462 1st Avenue
New York, New York 10016

BronxCare Health System*

1650 Grand Concourse
Bronx, New York 10456

**Brookdale University Hospital
and Medical Center***

Linden Boulevard @ Brookdale Plaza
Brooklyn, New York 11212

The Brooklyn Hospital Center - Downtown*

121 DeKalb Avenue
Brooklyn, New York 11201

Buffalo General Medical Center

100 High Street
Buffalo, New York 14203

Cayuga Medical Center*

101 Dates Drive
Ithaca, New York 14850

Coney Island Hospital*+

2601 Ocean Parkway
Brooklyn, New York 11235

Crouse Hospital*

736 Irving Avenue
Syracuse, New York 13210

Ellis Hospital

1101 Nott Street
Schenectady, New York 12308

Elmhurst Hospital Center*

79-01 Broadway
Elmhurst, New York 11373

Garnet Health Medical Center*

707 East Main Street
Middletown, New York 10940

Glens Falls Hospital*

100 Park Street
Glens Falls, New York 12801

Good Samaritan Hospital Medical Center

1000 Montauk Highway
West Islip, New York 11795

Good Samaritan Hospital of Suffern

255 Lafayette Avenue
Suffern, New York 10901

Huntington Hospital*

270 Park Avenue
Huntington, New York 11743

Jacobi Medical Center*+

Pelham Parkway & Eastchester Road
Bronx, New York 10461

Jamaica Hospital Medical Center*

89th Avenue and Van Wyck Expressway
Jamaica, New York 11418

John T. Mather Memorial Hospital*+

75 North Country Road
Port Jefferson, New York 11777

Lenox Hill Hospital

100 East 77th Street
New York, New York 10021

Long Island Community Hospital*

101 Hospital Road
Patchogue, New York 11772

Long Island Jewish Medical Center

270-05 76th Avenue
New Hyde Park, New York 11040

Maimonides Medical Center

4802 10th Avenue
Brooklyn, New York 11219

Mercy Hospital of Buffalo

565 Abbott Road
Buffalo, New York 14220

Mercy Medical Center*+

1000 North Village Avenue
Rockville Centre, New York 11570

**Montefiore Medical Center @ Henry & Lucy
Moses Division**

111 East 210th Street
Bronx, New York 10467

Montefiore Nyack Hospital*+

160 North Midland Avenue
Nyack, New York 10960

**Montefiore Medical Center @ Jack D. Weiler
Hospital of A. Einstein College**

1825 Eastchester Road
Bronx, New York 10461

Mount Sinai Beth Israel*

1st Avenue at 16th Street
New York, New York 10003

Mount Sinai Hospital

One Gustave L. Levy Place
New York, New York 10029

Mount Sinai Morningside

1111 Amsterdam Avenue
New York, New York 10025

Mount Sinai South Nassau*

One Healthy Way
Oceanside, New York 11572

**NY Presbyterian Brooklyn
Methodist Hospital**

506 6th Street
Brooklyn, New York 11215

**NY Presbyterian Columbia
Presbyterian Center**

630 W 168th Street
New York, New York 10032

NY Presbyterian Lawrence Hospital*

55 Palmer Avenue
Bronxville, New York 10708

NY Presbyterian Queens

56-45 Main Street
Flushing, New York 11355

NY Presbyterian Weill Cornell College

525 East 68th Street
New York, New York 10065

NYU Hospitals Center

550 1st Avenue
New York, New York 10016

NYU Langone Hospital - Brooklyn*

150 55th Street
Brooklyn, New York 11220

NYU Winthrop University Hospital

259 First Street
Mineola, New York 11501

Niagara Falls Memorial Medical Center*

621 10th Street
Niagara Falls, New York 14302

North Shore University Hospital

300 Community Drive
Manhasset, New York 11030

Northern Westchester Hospital*+

400 East Main Street
Mount Kisco, New York 10549

Olean General Hospital*

515 Main Street
Olean, New York 14760

Peconic Bay Medical Center*

1300 Roanoke Avenue
Riverhead, New York 11901

Richmond University Medical Center*

355 Bard Avenue
Staten Island, New York 10310

Rochester General Hospital

1425 Portland Avenue
Rochester, New York 14621

Samaritan Hospital*

2215 Burdett Avenue
Troy, New York 12180

Saratoga Hospital*

211 Church Street
Saratoga Springs, New York 12866

Stony Brook Southampton Hospital*

240 Meeting House Lane
Southampton, New York 11968

South Shore University Hospital

301 East Main Street
Bayshore, New York 11706

St. Barnabas Hospital*

4422 3rd Avenue
Bronx, New York 10457

St. Catherine of Siena Medical Center*

50 Route 25A
Smithtown, New York 11787

St. Elizabeth Medical Center

2209 Genesee Street
Utica, New York 13501

St. Francis Hospital

100 Port Washington Boulevard
Roslyn, New York 11576

St. Joseph's Hospital Health Center

301 Prospect Avenue
Syracuse, New York 13203

**Montefiore St. Luke's (formerly St. Luke's
Cornwall Hospital/Newburgh)***

70 Dubois Street
Newburgh, New York 12550

St. Peter's Hospital

315 South Manning Boulevard
Albany, New York 12208

Staten Island University Hospital – North

475 Seaview Avenue
Staten Island, New York 10305

Strong Memorial Hospital

601 Elmwood Avenue
Rochester, New York 14642

The Unity Hospital of Rochester*

1555 Long Pond Road
Rochester, New York 14626

UHS Wilson Medical Center

33-57 Harrison Street
Johnson City, New York 13790

University Hospital at Stony Brook

33 Research Way
Stony Brook, New York 11794-8410

University Hospital of Brooklyn*

450 Clarkson Road
Brooklyn, New York 11203

**University Hospital (Upstate)
SUNY Health Science Center**

750 East Adams Street
Syracuse, New York 13210

**UVM Health Network – Champlain Valley
Physicians Hospital***

75 Beekman Street
Plattsburgh, New York 12901

Vassar Brothers Medical Center

45 Reade Place
Poughkeepsie, New York 12601

Westchester Medical Center

100 Woods Rd.
Valhalla, New York 10595

White Plains Hospital

41 East Post Road
White Plains, New York 10601

**WMC Health Alliance Hospital-
Broadway Campus*+**

396 Broadway
Kingston, New York 12401

Wyckoff Heights Medical Center*+

374 Stockholm Street
Brooklyn, New York 11237

* Hospital performs PCI without cardiac surgery on-site

+ Hospital began performing PCI after November 30, 2018.

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Cardiac
Box 2000
New York State Department of Health
Albany, New York 12220

