

**PERCUTANEOUS
CORONARY
INTERVENTIONS
(PCI)
in
New York State
*2006 – 2008***

Members of the New York State Cardiac Advisory Committee

Chair

Spencer King, M.D.
Executive Director of Academic Affairs
St. Joseph's Health System
Atlanta, GA

Vice Chair

Gary Walford, M.D.
Johns Hopkins Medical Center
Baltimore, MD

Members

George Alfieris, M.D.
Associate Professor of Surgery
Strong Memorial Hospital
Chief of Pediatric Cardiopulmonary Surgery
SUNY - Upstate Medical University
Rochester and Syracuse, NY

Frederick Bierman, M.D.
Director of Pediatric Cardiology
North Shore – LIJ Health System
New Hyde Park, NY

Alfred T. Culliford, M.D.
Professor of Clinical Surgery
NYU Medical Center, New York, NY

Icilma Fergus, M.D.
Chief, Division of Cardiology
Harlem Hospital, New York, NY

Jeffrey P. Gold, M.D.
Provost and Executive Vice President for Health Affairs
Dean of the College of Medicine
The University of Toledo, Toledo, OH

Mary Hibberd, M.D.
Public Health Consultant
Las Vegas, NM

Robert Higgins, M.D.
Lumley Medical Research Chair
Director, Comprehensive Transplant Center
Chief, Division of Cardiac Surgery
Ohio State University Medical Center
Columbus, OH

David R. Holmes, Jr., M.D.
Professor of Medicine
Director, Cardiac Catheterization Laboratory
Mayo Clinic, Rochester, MN

Alice Jacobs, M.D.
Director, Cardiac Catheterization Laboratory
& Interventional Cardiology
Boston Medical Center
Boston, MA

Desmond Jordan, M.D.
Associate Professor of Clinical Anesthesiology
in Biomedical Informatics
New York Presbyterian Hospital – Columbia
New York, NY

Thomas Kulik, M.D.
Director, Pulmonary Hypertension Program
Children's Hospital Boston
Boston, MA

Stephen Lahey, M.D.
Attending Surgeon
Maimonides Medical Center
Brooklyn, NY

John J. Lamberti, Jr., M.D.
Director, Pediatric Cardiac Surgery
Children's Hospital of San Diego, San Diego, CA

Tia Powell, M.D.
Director, Montefiore-Einstein Center for Bioethics
Montefiore Medical Center
Bronx, NY

Carlos E. Ruiz, M.D., Ph.D.
Director, Division of Structural and Congenital Heart Disease
Lenox Hill Heart and Vascular Institute of New York
New York, NY

Samin K. Sharma, M.D.
Director, Cardiac Catheterization Laboratory
Mt. Sinai Hospital, New York, NY

Craig Smith, M.D.
Department of Surgery
Chair, Surgeon-in-Chief
NY Presbyterian Hospital - Columbia
New York, NY

Nicholas Stamato, M.D.
Director of Cardiology
United Health Services Hospitals
Johnson City, NY

Ferdinand Venditti, Jr., M.D.
Vice Dean for Clinical Affairs
Albany Medical Center
Albany, NY

Andrew S. Wechsler, M.D.
Professor and Chair, Department of Cardiothoracic Surgery
Drexel University College of Medicine
Philadelphia, PA

Deborah Whalen, R.N.C.S, M.B.A, A.N.P.
Clinical Service Manager
Division of Cardiology
Boston Medical Center, Boston, MA

Roberta Williams, M.D.
Professor of Pediatrics
Keck School of Medicine at USC, Los Angeles, CA

Consultant

Edward L. Hannan, Ph.D.
Distinguished Professor, Emeritus, Department of Health Policy,
Management & Behavior
Associate Dean for Research
University at Albany, School of Public Health

Program Administrator

Paula M. Waselauskas, R.N., M.S.N.
Cardiac Services Program
NYS Department of Health

PCI Reporting System Analysis Workgroup

Members & Consultants

Gary Walford, M.D. (Chair)
Johns Hopkins Medical Center

Icilma Fergus, M.D.
Chief, Division of Cardiology
Harlem Hospital

Edward L. Hannan, Ph.D.
Distinguished Professor Emeritus, Department of Health Policy,
Management & Behavior
Associate Dean for Research
University at Albany, School of Public Health

David R. Holmes, Jr., M.D.
Professor of Medicine
Director, Cardiac Catheterization Laboratory
Mayo Clinic

Alice Jacobs, M.D.
Director, Cardiac Catheterization Laboratory
& Interventional Cardiology
Boston Medical Center

Samin K. Sharma, M.D.
Director, Cardiac Catheterization Laboratory
Mt. Sinai Hospital

Nicholas Stamato, M.D.
Director of Cardiology
United Health Services Hospitals

Ferdinand Venditti, Jr., M.D.
Vice Dean for Clinical Affairs
Albany Medical Center

Staff to PCI Analysis Workgroup – New York State Department of Health

Paula M. Waselauskas, R.N., M.S.N.
Administrator, Cardiac Services Program

Kimberly S. Cozzens, M.A.
Cardiac Initiatives Research Manager
Cardiac Services Program

Erika Ihara, M.A.
Clinical Data Coordinator
Cardiac Services Program

Cynthia Johnson
PCI and Special Projects Coordinator
Cardiac Services Program

Karen C. Keller-Ullrich, R.N.
Clinical Investigator
Cardiac Services Program

Zaza Samadashvili, M.D., M.P.H.
Cardiac Analyst
Cardiac Services Program

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MESSAGE FROM COMMISSIONER DAINES

December 2010

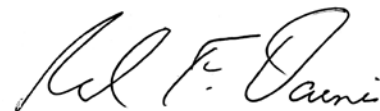
I am pleased to provide the information contained in this booklet for use by health care providers, patients and families of patients who are considering treatment options for cardiovascular disease. The report provides data on risk factors associated with in-hospital/30-day mortality following percutaneous coronary intervention (PCI, also known as angioplasty) and lists hospital and physician-specific mortality rates. The analyses use a risk-adjustment process to account for pre-existing differences in patients' health statuses. This report includes information on mortality occurring in the same hospitalization as PCI and that which occurs outside the hospital but within 30 days following PCI. We believe this to be an important quality indicator that will provide useful information to patients and providers.

The Percutaneous Coronary Interventions Reporting System (the data set upon which these analyses are based) represents the largest collection of data available in which all patients undergoing PCI have been reported. Hospitals and doctors involved in cardiac care have worked cooperatively with the New York State Department of Health and the New York State Cardiac Advisory Committee to compile accurate and meaningful data that can and have been used to enhance quality of care.

As they develop treatment plans, I encourage doctors to discuss this information with their patients and colleagues. While these statistics are an important tool in making informed health care choices, doctors and patients must make individual treatment plans together after careful consideration of all pertinent factors. It is also important to keep in mind that the information in this booklet does not include data after 2008. Important changes may have taken place in some hospitals since that time.

I would also ask that patients and physicians alike give careful consideration to the importance of healthy lifestyles for all those affected by heart disease. Controllable risk factors that contribute to a higher likelihood of developing coronary artery disease are high cholesterol levels, cigarette smoking, high blood pressure, obesity and lack of exercise. Limiting these risk factors will contribute to improved health for patients undergoing PCI and will help to minimize the development of new blockages in the coronary arteries.

I extend my appreciation to the providers in this State and to the Cardiac Advisory Committee for their efforts in developing and refining this remarkable system. The Department of Health will continue to work in partnership with hospitals and physicians to ensure high quality of care for patients with heart disease. We look forward to providing reports such as this and the Adult Cardiac Surgery Report on an annual basis. I applaud the continued high quality of care available from our New York State health care providers.



Richard F. Daines, M.D.
Commissioner of Health

INTRODUCTION

Heart disease is, by far, 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.

The analyses contained in this report are based on the information collected on each of the 164,792 patients who underwent PCI in NYS hospitals and were discharged between January 1, 2006, and December 31, 2008. Analyses of risk-adjusted mortality rates and associated risk factors are provided for 2008 and for the three-year period from 2006 through 2008. Analyses of all cases, non-emergency cases (which represent the majority of procedures) and emergency cases are included.

The total number of PCI discharges in 2008, as reported in Table 1, was 54,990. This represents an increase from the 51,695 cases reported in 2007, but still a decrease from the 57,944 cases reported in 2006.

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 nearly 20 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;
- 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 January 1, 2006, and December 31, 2008, provided by all 54 non-federal hospitals in NYS where PCI is performed. 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 pre-operative 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 44. Patients in 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.

In total, 419 cases with cardiogenic shock were removed from 2006-2008 data. This accounts for 0.25 percent of all PCI cases in the three years.

In addition, 140 records from the 2007 and 2008 databases were excluded because they belong to patients residing outside the United States, and these patients could not be followed after hospital discharge. One record belonging to a patient enrolled in a clinical trial (PARTNER) comparing outcomes for two kinds of valve replacement procedures was excluded as well.

Prior to regulatory changes in 2009, PCI in NYS was generally limited to centers with cardiac surgery on-site. However, beginning in 2000, a process was in place to allow time-limited waivers to this policy for centers participating in a special study for heart attack patients. After extensive training and review, hospitals meeting specific conditions were allowed to perform PCI on patients with an ST segment elevation myocardial infarction (a specific kind of heart attack also known as STEMI). In the time period on which this report is based, 14 hospitals were performing Primary PCI without cardiac surgery on-site. Beginning in 2006, seven of those centers were also granted permission to perform PCI on patients not having a STEMI. All hospitals currently performing Primary and/or Elective PCI without cardiac surgery on-site are listed on the final page of 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 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 complications 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 In-Hospital/30-Day Deaths

As part of the risk-adjustment process, hospitals in NYS where PCI 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. 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 entered into a computer and sent to the Department of Health for analysis.

Data are verified through review of unusual reporting frequencies, cross-matching of PCI 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 and on deaths that occur after hospital discharge but within 30 days of PCI. In this report, an in-hospital death is defined as a patient who died subsequent to PCI during the same acute care admission or was discharged to hospice care and expired within 30 days. Data on deaths occurring after discharge from the hospital are made available by the Department of Health and its Bureau of Vital Statistics, New York City Department of Health and Mental Hygiene and the Social Security Administration.

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 in-hospital/30-day death and determining how to weight the significant risk factors to predict the chance each patient will have of dying in the hospital or after discharge but within 30 days of PCI, given his or her specific characteristics.

Predicting Patient Mortality Rates for Providers

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.

The mortality rate for each hospital and cardiologist is also predicted using the statistical model. This is accomplished by adding the predicted probabilities of death for each of the provider's patients and dividing by the number of patients. The resulting rate is an estimate of what the provider'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 who died divided by the total number of PCI patients.

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 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 (0.95 percent in-hospital/30-day in 2008) to obtain the provider's RAMR.

Interpreting the Risk-Adjusted Mortality Rate

If the RAMR is lower than the statewide mortality rate, the hospital has a better performance than the state as a whole; if the RAMR is higher than the statewide mortality rate, the hospital 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 patients' medical records to ascertain 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.

How This Initiative Contributes to Quality Improvement

The 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 cardiologists (who perform PCI) 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.

2008 HOSPITAL RISK-ADJUSTED MORTALITY FOR PCI

Table 1 and Figures 1 and 2 present the PCI mortality results for the 54 hospitals performing PCI in NYS in 2008. The table contains, for each hospital, the number of PCIs resulting in 2008 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 (very low blood pressure), or patients who experienced a heart attack 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 (87.12 percent in 2008).

The overall in-hospital/30-day OMR for the 54,990 PCIs included in this report was 0.95 percent. Observed mortality rates ranged from 0.00 percent to 8.16 percent. The range in EMRs, which measure patient severity of illness, was between 0.50 percent and 3.79 percent. It should be noted that during the time period covered in this report, the hospitals with the highest OMR and EMR values were approved to perform only Primary PCI. This means that all cases reported for these centers were emergency cases. The RAMRs, which measure hospital performance, range from 0.00 percent to 4.45 percent. Based on confidence intervals for RAMRs, three hospitals (Brookdale Hospital Medical Center in Brooklyn, Good Samaritan Hospital in Suffern and University Hospital of Brooklyn) had RAMRs that were significantly higher than the statewide average. Two hospitals (Long Island Jewish Medical Center in New Hyde Park and Mount Sinai Hospital in Manhattan) 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 0.62 percent. The range of RAMRs was from 0.00 percent to 2.14 percent. Four hospitals (Crouse Hospital in Syracuse, NY Hospital Center – Queens, St. Peter's Hospital in Albany and University Hospital of Brooklyn) had RAMRs that were significantly higher than the statewide rate. One hospital (Long Island Jewish Medical Center in New Hyde Park) had an 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. 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 2008 PCI analysis is based on in-hospital/30-day mortality and excludes shock cases, the associated mortality rates cannot be compared directly to some previous NYS publications which are based on only in-hospital mortality and include shock cases.

The observed in-hospital mortality rate (not shown in Table 1) for 2008 PCI discharges was 0.57 percent for the 54,990 patients included in Table 1. For the non-emergency analysis, there were 47,909 patients with an in-hospital mortality rate of 0.28 percent.

2006-2008 HOSPITAL DATA FOR PCI

Table 2 provides the number of PCIs, the in-hospital/30-day OMR and RAMR for 2006-2008 for each of three types of PCI patients in the 54 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 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 2006-2008 are presented in Appendices 3-5, respectively.

As indicated in Table 2, the three-year observed in-hospital/30-day mortality rates for all PCI patients ranged from 0.00 percent to 11.11 percent, and the RAMRs ranged from 0.00 percent to 2.86 percent. Ten hospitals (Brookdale Hospital Medical Center in Brooklyn, Crouse Hospital in Syracuse, Glens Falls Hospital in Glens Falls, Good Samaritan Hospital in Suffern, M I Bassett Hospital in Cooperstown, Montefiore Medical Center – Weiler Division in the Bronx, St. Vincent's Catholic Medical Center in Manhattan, St. Peter's Hospital in Albany, Strong Memorial Hospital in Rochester and University Hospital of Brooklyn) had RAMRs that were significantly higher than the statewide rate. Three hospitals (Long

Island Jewish Medical Center in New Hyde Park, Maimonides Medical Center in Brooklyn and Mount Sinai Hospital 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 2 also presents the 3-year in-hospital/30-day RAMRs for non-emergency cases based on the model in Appendix 4. Non-emergency cases comprise 87.90 percent of cases for the period 2006-2008. The statewide in-hospital/30-day mortality rate for the 144,853 non-emergency cases during the 3-year period was 0.63 percent. Observed mortality rates for this group of patients ranged from 0.00 percent to 1.25 percent and the RAMRs ranged from 0.00 to 1.72 percent. Six hospitals (Crouse Hospital in Syracuse, Montefiore Medical Center – Weiler Division in the Bronx, St. Peter’s Hospital in Albany, St. Vincent’s Catholic Medical Center in Manhattan, Strong Memorial Hospital in Rochester and University Hospital of Brooklyn) had RAMRs that were significantly higher than the statewide average. Four hospitals (Maimonides Medical Center in Brooklyn, Mount Sinai Hospital in Manhattan, NYU Hospitals Center in Manhattan and St. Francis Hospital in Roslyn) had RAMRs that were significantly below the statewide rate for non-emergency cases.

The last three columns in Table 2 present data on emergency cases based on the model in Appendix 5. Emergency cases represented 12.10 percent of cases for the period 2006-2008. The statewide in-hospital/30-day mortality rate for the 19,939 emergency PCI cases during the 3-year period was 3.09 percent. Observed mortality rates for this group ranged from 0.00 percent to 11.11 percent and the RAMRs ranged from 0.00 percent to 8.40 percent. Three hospitals (Brookdale Hospital medical Center in Brooklyn, Erie County medical Center in Buffalo and Glens Falls Hospital in Glens Falls) had RAMRs that were significantly above the statewide average. Two hospitals (Mount Sinai Hospital in Manhattan and North Shore University Hospital in Manhasset had RAMRs that were significantly below the statewide average for emergency cases.

The observed in-hospital mortality rate for all 164,792 cases included in Table 2 was 0.54 percent. The in-hospital mortality rate was 0.28 percent for the 144,853 non-emergency cases and 2.43 percent for the 19,939 emergency cases. As stated above, cases with shock 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.

Note on Hospitals Not Performing PCI During Entire 2006-2008 Period

Several hospitals began performing PCI during the 2006 - 2008 time period on which this report is based. These hospitals and the month of the first PCI are listed below. These hospitals were allowed to perform PCI only on STEMI (heart attack) patients in 2006-2008: Jamaica Hospital Medical Center – May 2006; Faxton – St. Luke’s Healthcare, St. Luke’s Division – February 2008; Brookdale Hospital Medical Center – October 2008; Orange Regional Medical Center – February 2008.

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 (0.95 percent in-hospital/30-day mortality for all PCI patients discharged in 2008).

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

Table 1 In-Hospital/30-Day Observed, Expected and Risk-Adjusted Mortality Rates for PCI in New York State, 2008 Discharges (Listed Alphabetically by Hospital)

Hospital	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Albany Medical Center	1099	8	0.73	0.59	1.18	(0.51, 2.32)	960	0.77
Arnot Ogden Med Ctr	351	5	1.42	1.06	1.28	(0.41, 2.98)	239	1.59
Bellevue Hospital Ctr	529	8	1.51	1.24	1.16	(0.50, 2.29)	469	0.21
Beth Israel Med Ctr	1674	6	0.36	0.68	0.50	(0.18, 1.09)	1598	0.30
Brookdale Hosp Med Ctr	49	4	8.16	1.75	4.45 *	(1.20,11.40)	.	.
Buffalo General Hosp	1521	14	0.92	0.70	1.26	(0.69, 2.11)	1413	0.95
Champ.Valley Phys Hosp	387	2	0.52	1.04	0.47	(0.05, 1.70)	286	0.37
Crouse Hospital	524	8	1.53	0.86	1.68	(0.72, 3.32)	449	2.14 *
Ellis Hospital	509	4	0.79	1.35	0.55	(0.15, 1.42)	339	0.40
Elmhurst Hospital Ctr	342	3	0.88	1.44	0.58	(0.12, 1.70)	221	0.00
Erie County Med Ctr	228	7	3.07	1.79	1.64	(0.66, 3.37)	145	0.67
Faxton - St. Lukes	22	1	4.55	2.58	1.68	(0.02, 9.33)	.	.
Glens Falls Hospital	322	7	2.17	1.09	1.91	(0.76, 3.93)	233	1.53
Good Sam - Suffern	839	17	2.03	1.15	1.68 *	(0.98, 2.69)	672	1.14
Good Sam - West Islip	450	6	1.33	1.00	1.27	(0.46, 2.77)	350	0.00
Huntington Hospital	76	1	1.32	2.70	0.46	(0.01, 2.58)	.	.
Jamaica Hosp Med Ctr	116	3	2.59	2.34	1.06	(0.21, 3.08)	.	.
Lenox Hill Hospital	2824	23	0.81	0.60	1.30	(0.82, 1.94)	2738	0.79
Long Island Coll. Hosp	147	3	2.04	1.56	1.25	(0.25, 3.65)	104	1.18
Long Island Jewish	1914	7	0.37	0.85	0.41 **	(0.16, 0.84)	1708	0.19 **
M I Bassett Hospital	324	3	0.93	0.90	0.99	(0.20, 2.88)	260	0.81
Maimonides Medical Ctr	1266	14	1.11	1.56	0.68	(0.37, 1.14)	1088	0.41
Mercy Hospital	603	8	1.33	1.43	0.89	(0.38, 1.74)	440	0.31
Millard Fillmore Hosp	1039	6	0.58	0.85	0.64	(0.24, 1.40)	921	0.51
Montefiore - Moses	826	5	0.61	0.90	0.64	(0.21, 1.50)	660	0.39
Montefiore - Weiler	787	8	1.02	0.60	1.63	(0.70, 3.21)	682	1.14
Mount Sinai Hospital	4577	25	0.55	0.84	0.62 **	(0.40, 0.92)	4421	0.41
NY Hospital - Queens	939	17	1.81	1.11	1.55	(0.90, 2.48)	812	1.35 *
NY Methodist Hospital	1330	12	0.90	0.86	1.00	(0.51, 1.74)	1251	0.56
NYP- Columbia Presby.	3013	20	0.66	0.80	0.79	(0.48, 1.22)	2872	0.53
NYP- Weill Cornell	1502	19	1.26	1.23	0.98	(0.59, 1.54)	1331	0.63
NYU Hospitals Center	1018	4	0.39	0.64	0.58	(0.16, 1.50)	960	0.13
North Shore Univ Hosp	2271	24	1.06	1.19	0.85	(0.54, 1.26)	1917	0.78
Orange Regional Med Ctr	87	2	2.30	3.79	0.58	(0.06, 2.08)	.	.
Rochester General Hosp	2089	26	1.24	0.90	1.31	(0.86, 1.93)	1827	0.85
SVCMC- St. Vincents	1048	9	0.86	0.50	1.65	(0.75, 3.12)	997	0.57
South Nassau Comm.Hosp	389	6	1.54	1.40	1.05	(0.38, 2.29)	283	1.26
Southside Hospital	635	2	0.31	0.54	0.56	(0.06, 2.02)	566	0.00
St. Catherine of Siena	34	0	0.00	1.86	0.00	(0.00, 5.54)	1	0.00
St. Elizabeth Med Ctr	1236	13	1.05	0.99	1.02	(0.54, 1.74)	1078	0.68
St. Francis Hospital	3004	19	0.63	0.94	0.64	(0.39, 1.00)	2839	0.39
St. Josephs Hospital	2052	13	0.63	0.97	0.62	(0.33, 1.06)	1718	0.43
St. Lukes at St. Lukes	497	5	1.01	1.50	0.64	(0.21, 1.49)	400	0.33
St. Peters Hospital	836	15	1.79	1.05	1.62	(0.91, 2.68)	658	1.61 *
Staten Island Univ Hosp	1085	9	0.83	0.79	1.00	(0.45, 1.89)	926	0.37
Strong Memorial Hosp	1271	15	1.18	0.92	1.22	(0.68, 2.02)	988	0.73
United Hlth Svcs-Wilson	817	5	0.61	0.95	0.61	(0.20, 1.43)	623	0.39
Unity Hospital	356	6	1.69	1.13	1.42	(0.52, 3.09)	300	0.45
Univ. Hosp-Brooklyn	984	17	1.73	0.70	2.36 *	(1.37, 3.78)	920	1.83 *
Univ. Hosp-SUNY Upstate	326	4	1.23	1.77	0.66	(0.18, 1.69)	231	0.78
Univ. Hosp-Stony Brook	1744	28	1.61	1.33	1.15	(0.77, 1.67)	1364	0.79
Vassar Bros. Med Ctr	713	3	0.42	1.07	0.38	(0.08, 1.10)	560	0.39
Westchester Med Ctr	1265	15	1.19	1.23	0.92	(0.51, 1.52)	1086	0.61
Winthrop Univ. Hosp	1104	10	0.91	0.76	1.14	(0.54, 2.09)	1005	0.56
Statewide Total	54990	524	0.95				47909	0.62

* 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 1 In-Hospital/30-Day Risk-Adjusted Mortality Rates for PCI in New York State, 2008 Discharges (All Cases)

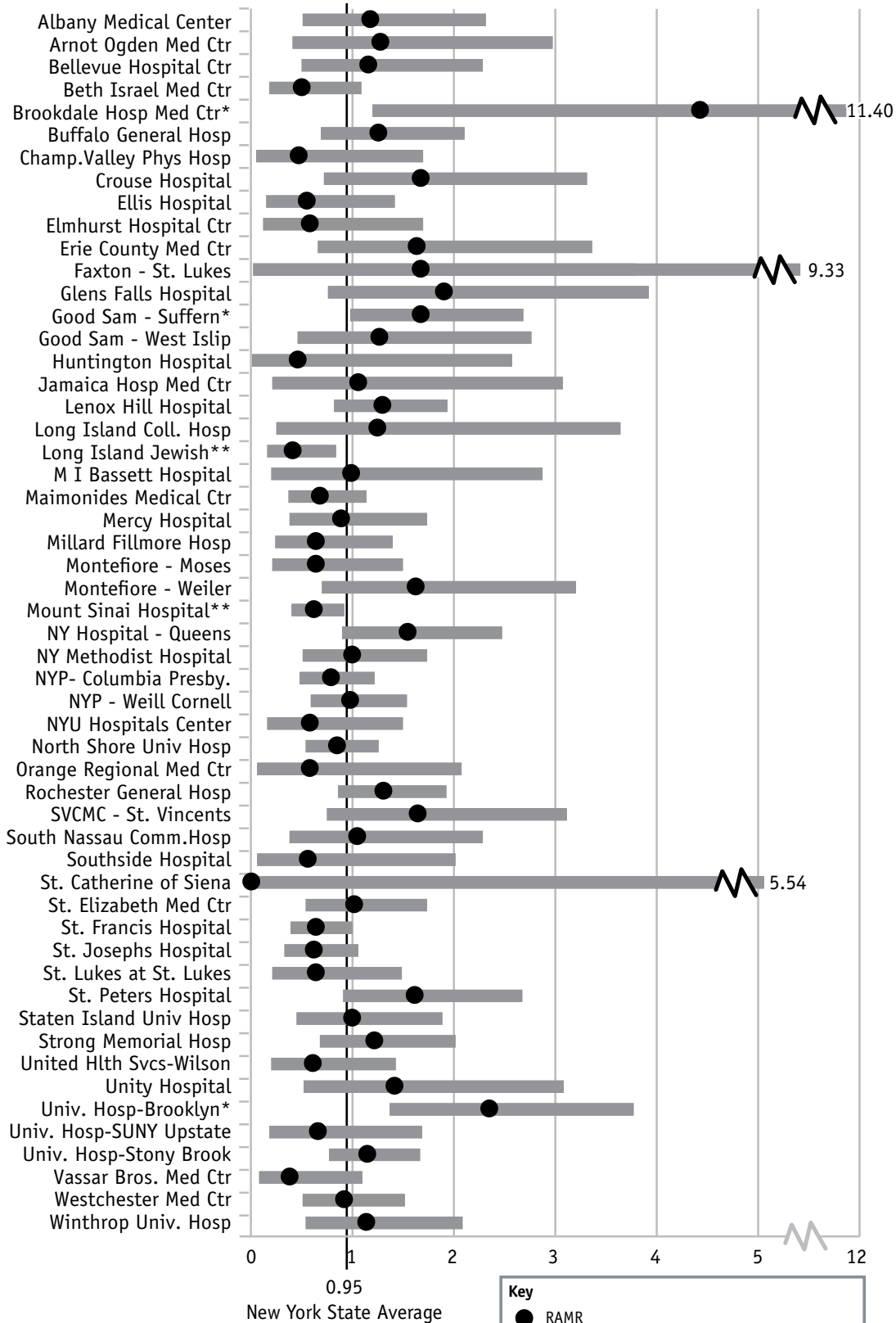


Figure 2 In-Hospital/30-Day Risk-Adjusted Mortality Rates for PCI in New York State, 2008 Discharges (Non-Emergency Cases)

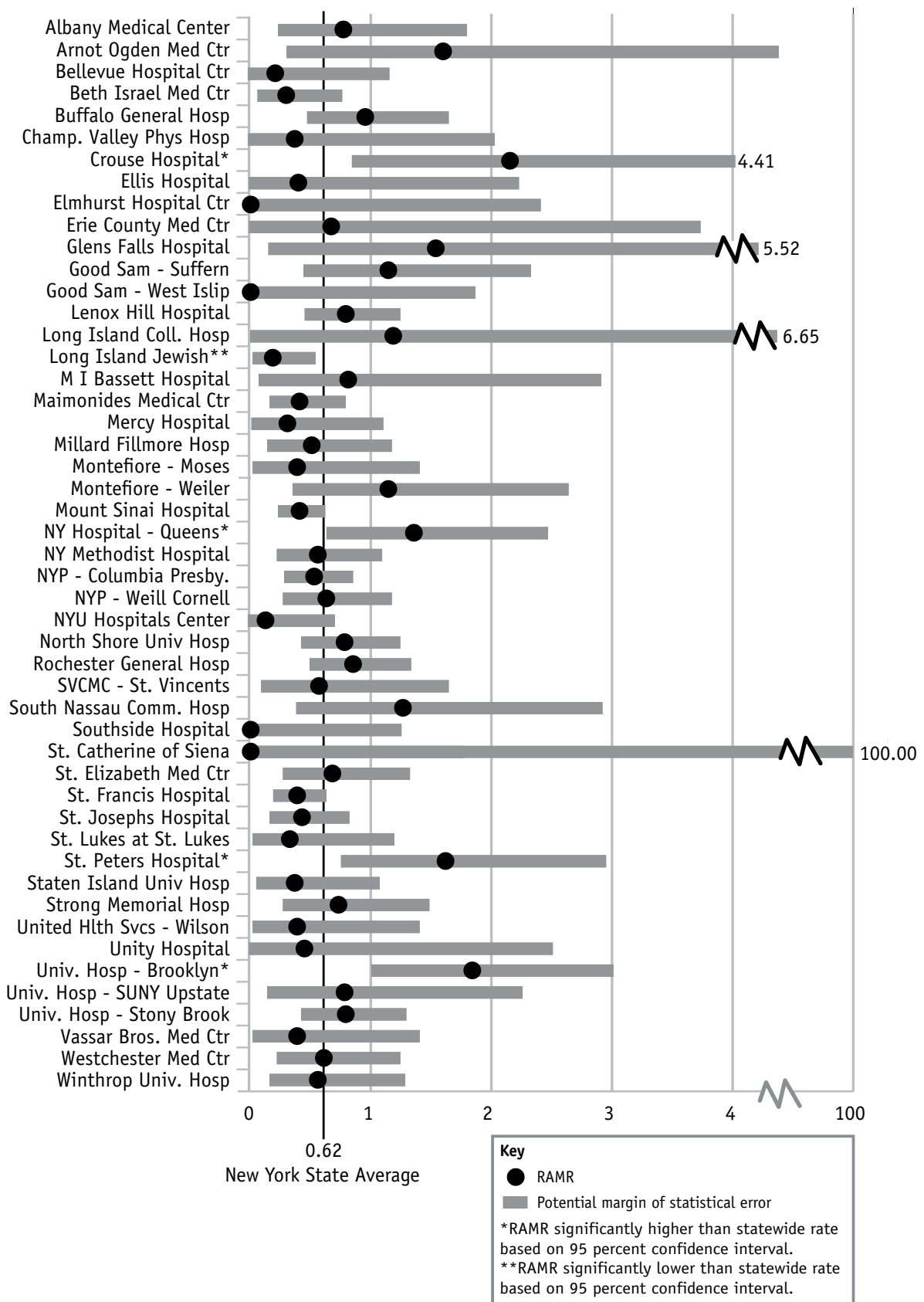


Table 2 In-Hospital/30-Day Observed and Risk-Adjusted Mortality Rates for PCI in New York State, 2006 - 2008 Discharges

Hospital	All Cases			Non-Emergency Cases			Emergency Cases		
	Cases	OMR	RAMR	Cases	OMR	RAMR	Cases	OMR	RAMR
Albany Medical Center	3141	0.70	0.92	2704	0.44	0.65	437	2.29	2.94
Arnot Ogden Med Ctr	1011	0.99	0.85	701	0.43	0.56	310	2.26	2.93
Bellevue Hospital Ctr	1530	1.18	1.12	1388	0.43	0.44	142	8.45	4.96
Beth Israel Med Ctr	5058	0.59	0.78	4871	0.45	0.56	187	4.28	2.32
Brookdale Hosp Med Ctr	63	11.11	2.86 *	.	.	.	63	11.11	8.40 *
Buffalo General Hosp	4500	0.69	0.96	4230	0.54	0.63	270	2.96	3.63
Champ.Valley Phys Hosp	1047	0.57	0.46	788	0.38	0.39	259	1.16	1.30
Crouse Hospital	1780	1.52	1.63 *	1524	1.25	1.56 *	256	3.13	3.08
Ellis Hospital	1753	0.86	0.72	1256	0.40	0.45	497	2.01	2.55
Elmhurst Hospital Ctr	691	0.58	0.47	451	0.00	0.00	240	1.67	2.03
Erie County Med Ctr	861	2.32	1.45	545	0.55	0.60	316	5.38	5.54 *
Faxton - St. Lukes	42	7.14	1.94	.	.	.	42	7.14	6.41
Glens Falls Hospital	684	2.63	2.17 *	459	0.87	1.72	225	6.22	6.92 *
Good Sam - Suffern	1682	1.90	1.41 *	1261	1.11	1.11	421	4.28	4.07
Good Sam - West Islip	637	1.57	1.11	350	0.00	0.00	287	3.48	4.16
Huntington Hospital	178	1.69	0.69	.	.	.	178	1.69	2.30
Jamaica Hosp Med Ctr	228	3.07	1.31	.	.	.	228	3.07	4.38
Lenox Hill Hospital	8567	0.71	1.00	8211	0.56	0.65	356	4.21	3.75
Long Island Coll. Hosp	215	2.33	0.97	104	0.96	1.18	111	3.60	2.79
Long Island Jewish	5599	0.66	0.65 **	4945	0.49	0.49	654	1.99	1.89
M I Bassett Hospital	1001	1.70	1.71 *	823	0.97	1.07	178	5.06	6.23
Maimonides Medical Ctr	4167	0.91	0.64 **	3579	0.59	0.39 **	588	2.89	2.45
Mercy Hospital	1879	1.17	0.79	1411	0.50	0.40	468	3.21	3.22
Millard Fillmore Hosp	2918	0.93	0.96	2630	0.68	0.68	288	3.13	3.02
Montefiore - Moses	2499	0.92	0.86	2088	0.43	0.45	411	3.41	3.30
Montefiore - Weiler	2606	1.27	1.50 *	2258	0.89	1.07 *	348	3.74	4.59
Mount Sinai Hospital	13742	0.57	0.63 **	13292	0.50	0.45 **	450	2.89	1.78 **
NY Hospital - Queens	3152	0.92	0.97	2829	0.49	0.55	323	4.64	4.06
NY Methodist Hospital	3575	0.81	0.93	3394	0.59	0.56	181	4.97	4.23
NYP- Columbia Presby.	9289	0.83	0.90	8872	0.70	0.65	417	3.60	2.42
NYP- Weill Cornell	4779	1.03	0.83	4252	0.80	0.66	527	2.85	2.07
NYU Hospitals Center	2501	0.40	0.55	2356	0.13	0.16 **	145	4.83	4.44
North Shore Univ Hosp	8408	0.73	0.73	7448	0.56	0.60	960	1.98	1.88 **
Orange Regional Med Ctr	87	2.30	0.62	.	.	.	87	2.30	1.97
Rochester General Hosp	6796	1.04	1.13	6005	0.75	0.72	791	3.29	4.07
SVCMC- St. Vincents	3607	0.86	1.78 *	3411	0.67	1.26 *	196	4.08	5.50
South Nassau Comm.Hosp	887	1.47	0.85	619	1.13	0.88	268	2.24	2.07
Southside Hospital	1297	0.62	0.90	1095	0.37	0.70	202	1.98	2.68
St. Catherine of Siena	121	0.00	0.00	2	0.00	0.00	119	0.00	0.00
St. Elizabeth Med Ctr	3598	1.06	0.97	3141	0.83	0.76	457	2.63	2.41
St. Francis Hospital	8927	0.76	0.76	8390	0.55	0.46 **	537	4.10	3.29
St. Josephs Hospital	5974	0.99	0.87	5082	0.69	0.61	892	2.69	2.78
St. Lukes at St. Lukes	1625	1.35	0.95	1372	0.58	0.44	253	5.53	4.24
St. Peters Hospital	2589	1.31	1.36 *	2049	0.98	1.06 *	540	2.59	3.92
Staten Island Univ Hosp	3553	0.56	0.78	3147	0.29	0.40	406	2.71	3.41
Strong Memorial Hosp	3823	1.39	1.33 *	3014	1.00	1.03 *	809	2.84	3.87
United Hlth Svcs-Wilson	2554	0.86	0.77	2000	0.55	0.61	554	1.99	2.13
Unity Hospital	679	1.62	1.00	491	0.20	0.30	188	5.32	3.59
Univ. Hosp-Brooklyn	2936	1.46	1.76 *	2764	1.23	1.27 *	172	5.23	4.96
Univ. Hosp-SUNY Upstate	898	1.89	1.09	612	0.98	0.64	286	3.85	3.80
Univ. Hosp-Stony Brook	5188	1.21	0.95	4184	0.98	0.73	1004	2.19	2.50
Vassar Bros. Med Ctr	2181	0.73	0.68	1725	0.46	0.45	456	1.75	2.40
Westchester Med Ctr	4238	1.09	0.96	3652	0.74	0.74	586	3.24	2.66
Winthrop Univ. Hosp	3451	0.75	0.88	3078	0.55	0.57	373	2.41	3.38
Statewide Total	164792	0.92		144853	0.63		19939	3.09	

* 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.

2006-2008 HOSPITAL AND CARDIOLOGIST DATA FOR PCI

Table 3 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 2006-2008 for cardiologists in each of the 54 hospitals performing PCI during the time period and for each of the hospitals. Table 3 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 2006-2008, and/or (b) performed at least one PCI in each of the years 2006-2008. 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 2006-2008.

Also, cardiologists who met criterion (a) or (b) above and have performed PCI in two or more NYS hospitals are listed separately in Table 4. 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 3 and 4.

It should be noted that myocardial infarction (MI) less than 24 hours before the procedure and hemodynamic instability 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 3 Cardiologist In-Hospital/30-Day Observed, Expected and Risk-Adjusted Mortality Rates for PCI in New York State, 2006 - 2008 Discharges

	ALL CASES						NON-EMERGENCY	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Statewide Total	164792	1523	0.92				144853	0.63
Albany Medical Center Hospital								
##Brady S	561	3	0.53	0.71	0.69	(0.14, 2.03)	476	0.31
##Delago A	1312	7	0.53	0.60	0.82	(0.33, 1.70)	1190	0.71
##Esper D	171	2	1.17	1.00	1.09	(0.12, 3.92)	128	0.00
##Hogan R	143	0	0.00	0.36	0.00	(0.00, 6.58)	140	0.00
Houghton J	397	4	1.01	0.75	1.23	(0.33, 3.16)	328	1.42
#Macina A	97	1	1.03	2.00	0.48	(0.01, 2.65)	46	0.00
##Papaleo R	368	3	0.82	0.55	1.37	(0.28, 4.00)	332	0.00
#Papandrea L	32	1	3.13	1.69	1.71	(0.02, 9.49)	12	5.85
All Others	60	1	1.67	0.79	1.95	(0.03, 10.84)	52	2.30
TOTAL	3141	22	0.70	0.70	0.92	(0.58, 1.40)	2704	0.65
Arnot-Ogden Medical Center								
##Amin N	276	2	0.72	0.85	0.79	(0.09, 2.85)	196	0.74
#Clark V	5	0	0.00	0.36	0.00	(0.00, 100.0)	4	0.00
##Grella R	106	2	1.89	1.04	1.68	(0.19, 6.05)	78	3.31
#Kodali S	5	1	20.00	4.53	4.08	(0.05, 22.70)	2	0.00
#Laifer L	166	1	0.60	0.86	0.65	(0.01, 3.62)	117	0.00
#McNulty P	16	0	0.00	0.66	0.00	(0.00, 32.29)	14	0.00
#Menzies D	9	0	0.00	0.50	0.00	(0.00, 74.98)	8	0.00
Winer H	422	3	0.71	1.32	0.50	(0.10, 1.45)	278	0.00
All Others	6	1	16.67	1.34	11.49	(0.15, 63.91)	4	0.00
TOTAL	1011	10	0.99	1.08	0.85	(0.41, 1.56)	701	0.56

Table 3 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Bellevue Hospital Center								
#Attubato M	209	2	0.96	1.08	0.82	(0.09, 2.97)	197	0.47
#Babaev A	8	1	12.50	3.83	3.01	(0.04, 16.76)	1	0.00
#Feit F	212	1	0.47	0.64	0.68	(0.01, 3.79)	198	0.00
#Keller N	77	0	0.00	0.78	0.00	(0.00, 5.65)	61	0.00
#Pena Sing I	663	11	1.66	1.12	1.37	(0.69, 2.46)	603	0.71
##Slater J	83	2	2.41	1.31	1.69	(0.19, 6.12)	67	1.09
##Yatskar L	264	1	0.38	0.65	0.54	(0.01, 2.99)	247	0.00
All Others	14	0	0.00	1.12	0.00	(0.00, 21.57)	14	0.00
TOTAL	1530	18	1.18	0.97	1.12	(0.66, 1.77)	1388	0.44
Beth Israel Medical Center								
##Aslam A	137	0	0.00	0.35	0.00	(0.00, 7.01)	136	0.00
##Bhambhani G	613	1	0.16	0.23	0.67	(0.01, 3.72)	613	0.48
#Fox J	1821	14	0.77	0.95	0.75	(0.41, 1.26)	1735	0.58
#Gowda R	1123	11	0.98	0.97	0.94	(0.47, 1.68)	1041	0.70
##Kantrowitz N	210	3	1.43	0.71	1.86	(0.37, 5.43)	208	1.05
##Kwan T	684	1	0.15	0.28	0.49	(0.01, 2.71)	680	0.39
#Lee P C	13	0	0.00	0.18	0.00	(0.00, 100.0)	13	0.00
Patel R H	120	0	0.00	0.41	0.00	(0.00, 6.94)	120	0.00
##Rentrop K	18	0	0.00	0.17	0.00	(0.00, 100.0)	18	0.00
#Shaknovich A	21	0	0.00	0.29	0.00	(0.00, 55.21)	21	0.00
All Others	298	0	0.00	0.61	0.00	(0.00, 1.85)	286	0.00
TOTAL	5058	30	0.59	0.71	0.78	(0.52, 1.11)	4871	0.56
Brookdale Hospital Medical Center								
#Castillo R	26	3	11.54	3.70	2.88	(0.58, 8.43)	.	.
#Chadow H	34	4	11.76	3.60	3.02	(0.81, 7.74)	.	.
##John S	3	0	0.00	2.65	0.00	(0.00, 42.61)	.	.
TOTAL	63	7	11.11	3.59	2.86 *	(1.14, 5.89)	.	.
Buffalo General Hospital								
#Conley J	1288	8	0.62	0.60	0.96	(0.41, 1.89)	1258	0.64
#Corbelli J	9	0	0.00	1.81	0.00	(0.00, 20.81)	.	.
#Farhi E	886	7	0.79	0.93	0.79	(0.32, 1.62)	801	0.45
##Haq N	4	0	0.00	3.35	0.00	(0.00, 25.32)	.	.
#Masud A	244	1	0.41	0.57	0.66	(0.01, 3.68)	228	0.00
##Morris W	705	3	0.43	0.85	0.46	(0.09, 1.36)	658	0.39
##Phadke K	17	0	0.00	2.70	0.00	(0.00, 7.39)	3	0.00
#Sullivan P	111	3	2.70	0.75	3.33	(0.67, 9.72)	96	1.33
Visco J	1205	8	0.66	0.37	1.66	(0.72, 3.28)	1173	1.41
All Others	31	1	3.23	1.87	1.60	(0.02, 8.88)	13	0.00
TOTAL	4500	31	0.69	0.66	0.96	(0.65, 1.36)	4230	0.63
Champlain Valley Physicians Hospital								
Bradley W	535	5	0.93	1.12	0.77	(0.25, 1.81)	401	0.75
Garrand T	499	1	0.20	1.15	0.16 **	(0.00, 0.89)	379	0.00
#Giambartolomei A	8	0	0.00	2.25	0.00	(0.00, 18.87)	7	0.00
All Others	5	0	0.00	3.07	0.00	(0.00, 22.10)	1	0.00
TOTAL	1047	6	0.57	1.15	0.46	(0.17, 1.00)	788	0.39

Table 3 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Crouse Hospital								
##Amin N	109	0	0.00	0.84	0.00	(0.00, 3.70)	89	0.00
#Battaglia J	800	15	1.88	0.67	2.58 *	(1.44, 4.26)	712	2.19 *
Berkery W	328	6	1.83	1.30	1.30	(0.48, 2.84)	269	1.28
#Bhan R	8	0	0.00	0.14	0.00	(0.00, 100.0)	8	0.00
#Caputo R	2	0	0.00	0.86	0.00	(0.00, 100.0)	1	0.00
#El-Khally Z	246	4	1.63	0.99	1.52	(0.41, 3.89)	207	1.61
#Ford T	181	2	1.10	0.94	1.09	(0.12, 3.92)	149	0.95
#Iskander A	1	0	0.00	2.98	0.00	(0.00, 100.0)	1	0.00
#Simons A	1	0	0.00	1.11	0.00	(0.00, 100.0)	.	.
All Others	104	0	0.00	0.57	0.00	(0.00, 5.76)	88	0.00
TOTAL	1780	27	1.52	0.86	1.63 *	(1.07, 2.37)	1524	1.56 *
Ellis Hospital								
Cospito P	374	3	0.80	1.07	0.69	(0.14, 2.02)	268	0.96
#Dempsey S	88	0	0.00	0.65	0.00	(0.00, 5.90)	83	0.00
##Hogan R	72	0	0.00	0.64	0.00	(0.00, 7.34)	69	0.00
Jordan M	293	4	1.37	1.21	1.04	(0.28, 2.67)	169	1.65
#Kufs W	117	0	0.00	0.60	0.00	(0.00, 4.80)	113	0.00
Parkes R	539	5	0.93	1.26	0.68	(0.22, 1.59)	384	0.23
Weitz S	270	3	1.11	1.22	0.84	(0.17, 2.46)	170	0.00
TOTAL	1753	15	0.86	1.11	0.72	(0.40, 1.18)	1256	0.45
Elmhurst Hospital Center								
#Barman N	16	0	0.00	4.75	0.00	(0.00, 4.46)	.	.
#Kamran M	626	2	0.32	0.95	0.31	(0.03, 1.12)	448	0.00
#Kim M	25	1	4.00	2.31	1.60	(0.02, 8.91)	3	0.00
#Krishnan P	17	1	5.88	3.08	1.76	(0.02, 9.82)	.	.
##Yatskar L	7	0	0.00	1.79	0.00	(0.00, 27.09)	.	.
TOTAL	691	4	0.58	1.15	0.47	(0.13, 1.19)	451	0.00
Erie County Medical Center								
Chaudhry E	188	5	2.66	0.86	2.85	(0.92, 6.66)	132	1.05
Dashkoff N	579	12	2.07	1.38	1.38	(0.71, 2.42)	388	0.53
##Emerson R	16	0	0.00	1.23	0.00	(0.00, 17.20)	11	0.00
##Phadke K	21	0	0.00	3.83	0.00	(0.00, 4.22)	14	0.00
Young H	57	3	5.26	3.77	1.29	(0.26, 3.77)	.	.
TOTAL	861	20	2.32	1.48	1.45	(0.88, 2.23)	545	0.60
Faxton-St. Lukes Hlthcare- St.Lukes Div								
#Kelberman M	3	0	0.00	3.76	0.00	(0.00, 30.02)	.	.
#MacIsaac H	4	1	25.00	10.18	2.27	(0.03, 12.63)	.	.
#Mathew T C	22	2	9.09	2.68	3.13	(0.35, 11.32)	.	.
#Nassif R	4	0	0.00	4.52	0.00	(0.00, 18.74)	.	.
#Patel A	3	0	0.00	1.57	0.00	(0.00, 71.91)	.	.
##Sassower M	2	0	0.00	1.46	0.00	(0.00, 100.0)	.	.
#Varma P	4	0	0.00	1.64	0.00	(0.00, 51.69)	.	.
TOTAL	42	3	7.14	3.41	1.94	(0.39, 5.65)	.	.
Glens Falls Hospital								
Bashir I	246	4	1.63	0.98	1.53	(0.41, 3.92)	185	1.09
##Brady S	2	0	0.00	1.47	0.00	(0.00, 100.0)	.	.

Table 3 *continued*

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Glens Falls Hospital, <i>continued</i>								
##Delago A	10	1	10.00	3.60	2.57	(0.03, 14.28)	.	.
##Esper D	7	0	0.00	1.22	0.00	(0.00, 39.76)	.	.
##Hogan R	412	11	2.67	1.13	2.17 *	(1.08, 3.89)	273	2.18
##Papaleo R	5	1	20.00	1.65	11.18	(0.15, 62.20)	.	.
All Others	2	1	50.00	1.53	30.19	(0.39, 100.0)	1	0.00
TOTAL	684	18	2.63	1.12	2.17 *	(1.28, 3.43)	459	1.72
Good Samaritan Hosp Med Ctr- West Islip								
##Caselnova R	164	3	1.83	0.99	1.70	(0.34, 4.98)	112	0.00
##Coven D	3	0	0.00	3.02	0.00	(0.00, 37.40)	.	.
##Deutsch E	48	1	2.08	2.09	0.92	(0.01, 5.12)	16	0.00
##Hormozi S	72	2	2.78	1.72	1.49	(0.17, 5.38)	26	0.00
##Lee P J	111	3	2.70	1.56	1.60	(0.32, 4.67)	57	0.00
##Patel R B	75	1	1.33	1.76	0.70	(0.01, 3.90)	31	0.00
##Reich D	164	0	0.00	0.81	0.00	(0.00, 2.55)	108	0.00
TOTAL	637	10	1.57	1.31	1.11	(0.53, 2.04)	350	0.00
Good Samaritan Hospital - Suffern								
Brogno D	386	4	1.04	1.19	0.81	(0.22, 2.07)	299	0.69
Innerfield M	163	3	1.84	1.61	1.06	(0.21, 3.08)	110	1.70
Kernis S	348	9	2.59	1.15	2.07 *	(0.94, 3.93)	262	0.77
#Kovar L	342	3	0.88	1.28	0.63	(0.13, 1.84)	257	0.72
Shih A C	192	5	2.60	1.50	1.60	(0.52, 3.74)	116	1.42
All Others	251	8	3.19	1.01	2.92 *	(1.26, 5.75)	217	2.28
TOTAL	1682	32	1.90	1.25	1.41 *	(0.96, 1.98)	1261	1.11
Huntington Hospital								
##Bagga R	43	0	0.00	2.17	0.00	(0.00, 3.63)	.	.
##Caselnova R	12	0	0.00	1.48	0.00	(0.00, 19.04)	.	.
##Gambino A	2	0	0.00	1.08	0.00	(0.00, 100.0)	.	.
##Jauhar R	1	0	0.00	2.09	0.00	(0.00, 100.0)	.	.
#Patcha R	38	0	0.00	2.28	0.00	(0.00, 3.92)	.	.
##Schwartz R	7	0	0.00	1.93	0.00	(0.00, 25.09)	.	.
##Strizik B	64	3	4.69	2.55	1.70	(0.34, 4.97)	.	.
All Others	11	0	0.00	1.89	0.00	(0.00, 16.32)	.	.
TOTAL	178	3	1.69	2.24	0.69	(0.14, 2.03)	.	.
Jamaica Hospital Medical Center								
#Garratt K	3	0	0.00	5.56	0.00	(0.00, 20.32)	.	.
#Jain S	76	3	3.95	2.35	1.55	(0.31, 4.54)	.	.
#Lasic Z	89	1	1.12	2.06	0.51	(0.01, 2.81)	.	.
##Parikh M	5	0	0.00	2.03	0.00	(0.00, 33.33)	.	.
#Puma A	7	0	0.00	1.47	0.00	(0.00, 32.91)	.	.
#Reimers C	2	0	0.00	1.09	0.00	(0.00, 100.0)	.	.
#Soffer D	14	0	0.00	1.48	0.00	(0.00, 16.40)	.	.
##Stathopoulos I	2	0	0.00	8.88	0.00	(0.00, 19.09)	.	.
##Suleman J	9	3	33.33	2.47	12.45 *	(2.50, 36.38)	.	.
##Wilentz J	3	0	0.00	1.41	0.00	(0.00, 80.35)	.	.
#Yang Y	7	0	0.00	1.52	0.00	(0.00, 31.85)	.	.
All Others	11	0	0.00	1.42	0.00	(0.00, 21.64)	.	.
TOTAL	228	7	3.07	2.16	1.31	(0.53, 2.71)	.	.

Table 3 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Lenox Hill Hospital								
Campanile G	26	1	3.85	0.40	8.87	(0.12, 49.34)	26	6.14
##Chang J	1	0	0.00	0.24	0.00	(0.00, 100.0)	1	0.00
Cohen H	552	7	1.27	0.58	2.04	(0.82, 4.20)	520	1.38
##Dominguez-Echeva	458	5	1.09	0.92	1.10	(0.35, 2.57)	455	0.82
#Fernaine G	312	1	0.32	0.66	0.45	(0.01, 2.51)	305	0.00
#Garratt K	749	4	0.53	0.68	0.73	(0.20, 1.86)	702	0.64
##Geizhals M	2	0	0.00	0.51	0.00	(0.00, 100.0)	2	0.00
#Gustafson G	9	0	0.00	0.23	0.00	(0.00, 100.0)	9	0.00
Iyer S	312	2	0.64	0.63	0.94	(0.11, 3.38)	292	0.96
#Jain S	319	7	2.19	0.74	2.73 *	(1.10, 5.63)	309	2.12 *
##Jayasundera T	436	1	0.23	0.43	0.49	(0.01, 2.73)	433	0.35
##Kesanakurthy S	396	1	0.25	0.52	0.45	(0.01, 2.50)	389	0.33
#Lasic Z	516	4	0.78	0.72	0.99	(0.27, 2.54)	493	0.46
Oboler L	16	0	0.00	0.28	0.00	(0.00, 76.97)	16	0.00
#Palkhiwala S	103	0	0.00	0.29	0.00	(0.00, 11.35)	103	0.00
##Papadakos S	50	1	2.00	0.58	3.19	(0.04, 17.78)	49	2.40
##Parikh M	527	5	0.95	0.58	1.51	(0.49, 3.53)	515	0.96
#Puma A	546	2	0.37	0.52	0.66	(0.07, 2.37)	532	0.50
#Reimers C	1224	9	0.74	0.70	0.97	(0.44, 1.85)	1176	0.46
Roubin G	350	1	0.29	0.63	0.42	(0.01, 2.32)	332	0.34
Ruiz C	159	4	2.52	1.49	1.56	(0.42, 4.01)	136	1.54
#Soffer D	458	2	0.44	0.55	0.73	(0.08, 2.65)	436	0.63
##Stathopoulos I	19	0	0.00	0.29	0.00	(0.00, 60.94)	19	0.00
##Wilentz J	233	2	0.86	0.62	1.28	(0.14, 4.63)	229	0.55
#Yang Y	445	0	0.00	0.59	0.00	(0.00, 1.30)	416	0.00
All Others	349	2	0.57	0.97	0.55	(0.06, 1.97)	316	0.00
TOTAL	8567	61	0.71	0.66	1.00	(0.77, 1.29)	8211	0.65
Long Island College Hospital								
#Fox J	1	0	0.00	0.12	0.00	(0.00, 100.0)	1	0.00
#Gowda R	44	3	6.82	1.33	4.73 *	(0.95, 13.81)	33	3.14
##Kantrowitz N	165	2	1.21	2.46	0.46	(0.05, 1.64)	67	0.00
##Kesanakurthy S	1	0	0.00	2.11	0.00	(0.00, 100.0)	1	0.00
#Srivastava S	3	0	0.00	2.77	0.00	(0.00, 40.81)	1	0.00
All Others	1	0	0.00	0.10	0.00	(0.00, 100.0)	1	0.00
TOTAL	215	5	2.33	2.21	0.97	(0.31, 2.27)	104	1.18
Long Island Jewish Medical Center								
#Arkonac B	86	0	0.00	1.52	0.00	(0.00, 2.59)	75	0.00
##Bagga R	163	0	0.00	0.54	0.00	(0.00, 3.84)	159	0.00
#Boutis L	13	1	7.69	2.48	2.86	(0.04, 15.92)	1	0.00
#Dhama B	84	0	0.00	0.74	0.00	(0.00, 5.46)	79	0.00
##Freeman J	12	0	0.00	2.16	0.00	(0.00, 13.10)	2	0.00
##Friedman G H	323	1	0.31	0.89	0.32	(0.00, 1.79)	298	0.00
#Green S	20	0	0.00	2.94	0.00	(0.00, 5.77)	1	0.00
##Grunwald A	425	3	0.71	1.00	0.65	(0.13, 1.91)	393	0.63
##Gupta R V	38	0	0.00	1.21	0.00	(0.00, 7.40)	37	0.00
Hameedi A	285	0	0.00	0.17	0.00	(0.00, 7.04)	284	0.00
##Jauhar R	1313	12	0.91	0.88	0.96	(0.49, 1.67)	1135	0.68
#Kaplan B	1490	7	0.47	0.90	0.48	(0.19, 1.00)	1363	0.45
##Katz S	24	0	0.00	1.96	0.00	(0.00, 7.22)	8	0.00

Table 3 *continued*

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Long Island Jewish Medical Center, <i>continued</i>								
Kim B	86	0	0.00	0.25	0.00	(0.00, 15.94)	86	0.00
##Koss J	407	3	0.74	0.76	0.90	(0.18, 2.62)	384	0.57
#Lee A	20	0	0.00	2.73	0.00	(0.00, 6.22)	2	0.00
##Lee P J	4	0	0.00	0.37	0.00	(0.00, 100.0)	4	0.00
#Marchant D	26	0	0.00	2.90	0.00	(0.00, 4.50)	2	0.00
#Musso J	3	0	0.00	0.95	0.00	(0.00, 100.0)	2	0.00
#Ong L Y	22	0	0.00	4.13	0.00	(0.00, 3.73)	2	0.00
##Park C	604	10	1.66	1.33	1.15	(0.55, 2.12)	493	0.86
##Reich D	60	0	0.00	0.72	0.00	(0.00, 7.80)	60	0.00
#Rutkin B	8	0	0.00	1.82	0.00	(0.00, 23.33)	1	0.00
##Strizik B	53	0	0.00	1.51	0.00	(0.00, 4.23)	47	0.00
##Suleman J	30	0	0.00	0.74	0.00	(0.00, 15.35)	27	0.00
TOTAL	5599	37	0.66	0.94	0.65 **	(0.46, 0.90)	4945	0.49
M I Bassett Hospital								
#Clark V	276	7	2.54	0.86	2.73 *	(1.09, 5.63)	226	2.69 *
#McNulty P	280	6	2.14	1.17	1.69	(0.62, 3.68)	227	0.00
#Menzies D	445	4	0.90	0.79	1.05	(0.28, 2.69)	370	0.87
TOTAL	1001	17	1.70	0.92	1.71 *	(1.00, 2.74)	823	1.07
Maimonides Medical Center								
Borgen E	948	11	1.16	1.61	0.67	(0.33, 1.19)	762	0.53
Frankel R	738	6	0.81	0.96	0.78	(0.29, 1.71)	688	0.57
Friedman M	296	4	1.35	1.89	0.66	(0.18, 1.70)	218	0.00
##Kantrowitz N	85	0	0.00	0.63	0.00	(0.00, 6.35)	85	0.00
Malik B	1024	13	1.27	1.37	0.85	(0.45, 1.46)	843	0.47
#Shani J	917	3	0.33	0.96	0.31 **	(0.06, 0.92)	895	0.25
All Others	159	1	0.63	2.41	0.24	(0.00, 1.34)	88	0.00
TOTAL	4167	38	0.91	1.32	0.64 **	(0.45, 0.87)	3579	0.39 **
Mercy Hospital								
#Calandra S	363	0	0.00	1.11	0.00 **	(0.00, 0.84)	284	0.00
##Emerson R	268	3	1.12	1.66	0.62	(0.12, 1.82)	165	0.00
#Gelormini J	386	5	1.30	1.20	1.00	(0.32, 2.33)	282	1.03
##Haq N	201	3	1.49	1.06	1.30	(0.26, 3.79)	169	0.53
#Meltser H	405	10	2.47	1.94	1.17	(0.56, 2.16)	297	0.22
##Morris W	256	1	0.39	1.03	0.35	(0.00, 1.95)	214	0.61
TOTAL	1879	22	1.17	1.37	0.79	(0.49, 1.20)	1411	0.40
Millard Fillmore Hospital								
#Calandra S	99	0	0.00	0.59	0.00	(0.00, 5.76)	94	0.00
#Conley J	1	0	0.00	1.62	0.00	(0.00, 100.0)	.	.
#Corbelli J	791	12	1.52	0.97	1.45	(0.75, 2.53)	728	0.97
##Emerson R	3	0	0.00	0.14	0.00	(0.00, 100.0)	3	0.00
#Farhi E	3	0	0.00	5.49	0.00	(0.00, 20.58)	.	.
#Gelormini J	141	0	0.00	0.93	0.00	(0.00, 2.58)	132	0.00
##Haq N	171	1	0.58	0.61	0.89	(0.01, 4.93)	150	0.86
#Masud A	525	4	0.76	0.82	0.86	(0.23, 2.21)	485	0.40
#Meltser H	3	0	0.00	0.61	0.00	(0.00, 100.0)	3	0.00
##Morris W	3	1	33.33	4.94	6.23	(0.08, 34.68)	.	.
##Phadke K	1029	8	0.78	0.89	0.81	(0.35, 1.59)	904	0.71

Table 3 *continued*

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Millard Fillmore Hospital, <i>continued</i>								
#Sullivan P	2	0	0.00	2.18	0.00	(0.00, 77.64)	2	0.00
All Others	147	1	0.68	1.02	0.62	(0.01, 3.42)	129	0.69
TOTAL	2918	27	0.93	0.89	0.96	(0.63, 1.40)	2630	0.68
Montefiore Medical Center - Moses								
#Goldman A Y	285	4	1.40	0.63	2.07	(0.56, 5.30)	275	0.42
Greenberg M	751	3	0.40	0.96	0.38	(0.08, 1.12)	622	0.18
#Grose R	137	2	1.46	1.11	1.21	(0.14, 4.37)	116	0.00
#Johnson M	226	3	1.33	0.81	1.51	(0.30, 4.42)	208	0.93
#Menegus M	790	9	1.14	1.22	0.86	(0.39, 1.64)	609	0.59
#Sehhat K	50	0	0.00	0.92	0.00	(0.00, 7.36)	44	0.00
Shaqra H	144	0	0.00	0.69	0.00	(0.00, 3.39)	127	0.00
#Sokol S	1	0	0.00	0.22	0.00	(0.00, 100.0)	1	0.00
#Srinivas V	1	0	0.00	0.65	0.00	(0.00, 100.0)	1	0.00
All Others	114	2	1.75	1.24	1.31	(0.15, 4.73)	85	1.32
TOTAL	2499	23	0.92	0.99	0.86	(0.54, 1.28)	2088	0.45
Montefiore Medical Center - Weiler								
#Gotsis W	731	9	1.23	0.57	2.00	(0.91, 3.80)	672	1.76 *
Monrad E	558	8	1.43	0.95	1.39	(0.60, 2.74)	458	0.76
#Silverman G	468	3	0.64	0.80	0.74	(0.15, 2.16)	383	0.76
#Sokol S	273	5	1.83	0.84	2.01	(0.65, 4.70)	240	1.09
#Srinivas V	576	8	1.39	0.84	1.52	(0.66, 3.00)	505	0.90
TOTAL	2606	33	1.27	0.78	1.50 *	(1.03, 2.10)	2258	1.07 *
Mt. Sinai Hospital								
#Barman N	364	5	1.37	1.68	0.75	(0.24, 1.76)	309	0.45
#Fernaine G	79	0	0.00	0.65	0.00	(0.00, 6.56)	79	0.00
#Hasan C	19	0	0.00	0.25	0.00	(0.00, 72.76)	19	0.00
Husain S	72	0	0.00	0.32	0.00	(0.00, 14.89)	72	0.00
##Jayasundera T	469	1	0.21	0.47	0.42	(0.01, 2.35)	459	0.35
#Kamran M	255	0	0.00	0.53	0.00	(0.00, 2.53)	251	0.00
##Kesanakurthy S	31	0	0.00	0.35	0.00	(0.00, 30.99)	31	0.00
#Kim M	1756	12	0.68	1.07	0.59	(0.30, 1.03)	1671	0.41
Kini A	3028	16	0.53	0.85	0.58	(0.33, 0.93)	2891	0.41
#Krishnan P	622	5	0.80	0.90	0.83	(0.27, 1.93)	590	0.64
#Lee J	187	1	0.53	0.35	1.39	(0.02, 7.75)	186	1.03
#Lee P C	210	2	0.95	0.35	2.53	(0.28, 9.12)	210	1.78
Moreno P	1313	9	0.69	0.92	0.69	(0.31, 1.31)	1255	0.56
#Palkhiwala S	297	2	0.67	0.68	0.92	(0.10, 3.33)	297	0.62
Sharma S	3790	14	0.37	0.77	0.44 **	(0.24, 0.75)	3752	0.32 **
##Suleman J	1117	12	1.07	0.90	1.10	(0.57, 1.92)	1089	0.86
##Weinberger J	2	0	0.00	0.35	0.00	(0.00, 100.0)	2	0.00
All Others	131	0	0.00	0.66	0.00	(0.00, 3.92)	129	0.00
TOTAL	13742	79	0.57	0.85	0.63 **	(0.50, 0.78)	13292	0.45 **
NY Hospital Medical Ctr of Queens								
##Chang J	828	7	0.85	0.91	0.86	(0.34, 1.77)	732	0.53
Chiu Sungwai	146	0	0.00	0.25	0.00	(0.00, 9.29)	145	0.00
David M	101	1	0.99	0.27	3.38	(0.04, 18.81)	98	2.55
##Friedman G H	22	0	0.00	0.60	0.00	(0.00, 25.69)	21	0.00

Table 3 *continued*

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
NY Hospital Medical Ctr of Queens, <i>continued</i>								
##Geizhals M	209	1	0.48	0.62	0.71	(0.01, 3.98)	194	0.00
##Grunwald A	24	0	0.00	0.70	0.00	(0.00, 20.29)	20	0.00
#Gustafson G	672	5	0.74	0.75	0.92	(0.30, 2.14)	624	0.58
##Koss J	16	1	6.25	2.24	2.58	(0.03, 14.38)	11	0.00
##Papadakos S	934	9	0.96	1.02	0.87	(0.40, 1.65)	824	0.48
##Park C	74	0	0.00	0.54	0.00	(0.00, 8.44)	56	0.00
##Park J	15	0	0.00	0.42	0.00	(0.00, 53.76)	12	0.00
#Perry-Bottinger L	8	0	0.00	0.36	0.00	(0.00, 100.0)	8	0.00
##Stathopoulos I	57	4	7.02	3.67	1.77	(0.47, 4.52)	39	1.60
All Others	46	1	2.17	0.86	2.34	(0.03, 13.01)	45	1.79
TOTAL	3152	29	0.92	0.88	0.97	(0.65, 1.39)	2829	0.55
NY Methodist Hospital								
#Afflu E	37	0	0.00	0.21	0.00	(0.00, 43.29)	37	0.00
##Aslam A	62	0	0.00	0.32	0.00	(0.00, 17.04)	62	0.00
#Badero O	141	0	0.00	0.33	0.00	(0.00, 7.18)	141	0.00
##Bhambhani G	4	0	0.00	0.32	0.00	(0.00, 100.0)	4	0.00
#Bogal M	38	1	2.63	0.79	3.07	(0.04, 17.09)	38	2.09
Brener S	254	6	2.36	1.82	1.20	(0.44, 2.61)	214	0.63
#Chokshi A	58	1	1.72	0.52	3.07	(0.04, 17.08)	58	2.18
##Dominguez-Echeva	57	0	0.00	0.51	0.00	(0.00, 11.77)	57	0.00
#Hoyek W	375	2	0.53	0.51	0.97	(0.11, 3.49)	372	0.66
#Jasty B	5	0	0.00	1.93	0.00	(0.00, 35.06)	5	0.00
##John S	2	0	0.00	0.16	0.00	(0.00, 100.0)	2	0.00
##Palta S	119	0	0.00	0.58	0.00	(0.00, 4.90)	119	0.00
#Rouvelas P	125	1	0.80	0.63	1.17	(0.02, 6.49)	125	0.79
Sacchi T	1572	14	0.89	0.85	0.97	(0.53, 1.63)	1452	0.57
#Shaknovich A	310	0	0.00	0.58	0.00	(0.00, 1.88)	308	0.00
#Sherman W	12	0	0.00	0.30	0.00	(0.00, 93.41)	12	0.00
#Tai Z	103	1	0.97	0.50	1.81	(0.02, 10.05)	101	1.49
#Vidyarthi V	9	0	0.00	0.98	0.00	(0.00, 38.34)	9	0.00
All Others	292	3	1.03	1.12	0.85	(0.17, 2.47)	278	0.56
TOTAL	3575	29	0.81	0.81	0.93	(0.62, 1.34)	3394	0.56
NYP Hospital - Columbia Presbyterian								
Apfelbaum M	144	0	0.00	0.65	0.00	(0.00, 3.63)	122	0.00
Collins M	792	10	1.26	1.08	1.08	(0.52, 1.98)	770	0.69
Colombo A	19	0	0.00	1.24	0.00	(0.00, 14.44)	19	0.00
Corvaja N	43	1	2.33	3.37	0.64	(0.01, 3.55)	40	0.00
Dangas G	658	6	0.91	1.02	0.82	(0.30, 1.79)	612	0.90
Gray W	109	4	3.67	2.11	1.61	(0.43, 4.12)	89	1.60
#Grose R	212	1	0.47	0.47	0.93	(0.01, 5.18)	211	0.63
Irobunda C	96	0	0.00	0.43	0.00	(0.00, 8.16)	95	0.00
#Johnson M	134	0	0.00	0.48	0.00	(0.00, 5.23)	131	0.00
##Kesanakurthy S	669	5	0.75	0.71	0.97	(0.31, 2.27)	664	0.56
Kirtane A	241	5	2.07	1.27	1.52	(0.49, 3.54)	218	1.27
#Kodali S	336	4	1.19	1.36	0.81	(0.22, 2.08)	302	0.59
#Kovar L	1	0	0.00	0.12	0.00	(0.00, 100.0)	1	0.00
Kreps E	314	4	1.27	1.42	0.83	(0.22, 2.12)	293	0.64
#Laifer L	20	0	0.00	0.33	0.00	(0.00, 50.73)	20	0.00
Leon M	266	3	1.13	0.75	1.39	(0.28, 4.05)	260	0.67

Table 3 *continued*

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
NYP Hospital - Columbia Presbyterian, <i>continued</i>								
Mehran R	258	1	0.39	0.83	0.43	(0.01, 2.40)	241	0.39
Moses J	1821	8	0.44	0.56	0.72	(0.31, 1.42)	1820	0.50
#Moussa I	414	3	0.72	0.92	0.73	(0.15, 2.13)	392	0.68
#Perry-Bottinger L	65	1	1.54	0.38	3.74	(0.05, 20.83)	64	2.59
Rabbani L	563	0	0.00	0.74	0.00 **	(0.00, 0.82)	521	0.00
#Sherman W	281	1	0.36	0.97	0.34	(0.00, 1.88)	250	0.37
#Singh V	1015	3	0.30	0.51	0.53	(0.11, 1.56)	995	0.46
Stone G	153	3	1.96	1.06	1.71	(0.34, 4.99)	145	0.96
Teirstein P	52	2	3.85	1.15	3.10	(0.35, 11.20)	49	2.20
##Weinberger J	13	0	0.00	0.36	0.00	(0.00, 71.82)	13	0.00
Weisz G	458	7	1.53	1.15	1.22	(0.49, 2.52)	408	0.76
All Others	142	5	3.52	1.42	2.30	(0.74, 5.37)	127	1.86
TOTAL	9289	77	0.83	0.85	0.90	(0.71, 1.12)	8872	0.65
NYP Hospital - Weill Cornell								
Bergman G	940	8	0.85	1.16	0.68	(0.29, 1.34)	837	0.64
#Charney R	293	2	0.68	0.90	0.70	(0.08, 2.52)	287	0.60
##Geizhals M	99	1	1.01	0.79	1.18	(0.02, 6.54)	96	0.88
#Hong M	40	0	0.00	2.47	0.00	(0.00, 3.44)	35	0.00
Iacovone F	164	4	2.44	0.89	2.55	(0.68, 6.52)	157	1.75
#Messinger D	184	2	1.09	1.08	0.93	(0.10, 3.35)	175	0.47
Minutello R	794	6	0.76	1.51	0.46	(0.17, 1.01)	646	0.53
#Moussa I	167	6	3.59	2.41	1.38	(0.50, 3.00)	137	0.90
#Naidu S	155	4	2.58	1.24	1.93	(0.52, 4.94)	137	1.51
#Padmanabhan V	16	0	0.00	0.58	0.00	(0.00, 36.42)	16	0.00
##Parikh M	639	1	0.16	0.69	0.21	(0.00, 1.17)	604	0.19
#Polin N	114	3	2.63	2.17	1.12	(0.23, 3.28)	79	0.60
Wong S	962	8	0.83	0.87	0.88	(0.38, 1.74)	878	0.71
All Others	212	4	1.89	1.26	1.38	(0.37, 3.54)	168	0.89
TOTAL	4779	49	1.03	1.14	0.83	(0.61, 1.09)	4252	0.66
NYU Hospitals Center								
##Angelopoulos P	2	0	0.00	1.12	0.00	(0.00, 100.0)	2	0.00
#Attubato M	762	4	0.52	0.84	0.58	(0.16, 1.48)	708	0.29
#Babaev A	452	1	0.22	0.54	0.38	(0.00, 2.10)	444	0.29
#Feit F	612	1	0.16	0.61	0.25	(0.00, 1.38)	583	0.00
##Jayasundera T	148	0	0.00	0.27	0.00	(0.00, 8.51)	148	0.00
#Keller N	10	1	10.00	3.32	2.79	(0.04, 15.50)	1	0.00
##Kwan T	18	0	0.00	0.21	0.00	(0.00, 87.88)	18	0.00
#Pena Sing I	152	1	0.66	1.00	0.61	(0.01, 3.39)	136	0.00
##Rentrop K	6	0	0.00	0.27	0.00	(0.00, 100.0)	6	0.00
#Shani J	1	0	0.00	0.14	0.00	(0.00, 100.0)	1	0.00
##Slater J	256	2	0.78	0.57	1.26	(0.14, 4.54)	233	0.00
#Staniloae C	1	0	0.00	0.09	0.00	(0.00, 100.0)	1	0.00
##Weinberger J	3	0	0.00	0.34	0.00	(0.00, 100.0)	3	0.00
##Yatskar L	76	0	0.00	0.54	0.00	(0.00, 8.25)	70	0.00
All Others	2	0	0.00	0.31	0.00	(0.00, 100.0)	2	0.00
TOTAL	2501	10	0.40	0.67	0.55	(0.26, 1.01)	2356	0.16**

Table 3 continued

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
North Shore University Hospital								
##Angelopoulos P	3	0	0.00	0.47	0.00	(0.00, 100.0)	3	0.00
##Bagga R	169	0	0.00	0.48	0.00	(0.00, 4.14)	164	0.00
##Blumenthal S	12	0	0.00	0.52	0.00	(0.00, 54.50)	12	0.00
##Boutis L	294	1	0.34	1.66	0.19	(0.00, 1.06)	195	0.44
##Caselnova R	510	4	0.78	0.68	1.07	(0.29, 2.74)	489	0.95
##Coven D	33	0	0.00	0.28	0.00	(0.00, 36.24)	32	0.00
##Deutsch E	311	3	0.96	0.57	1.56	(0.31, 4.56)	307	1.11
##Dhama B	105	0	0.00	0.54	0.00	(0.00, 5.97)	99	0.00
##Freeman J	284	1	0.35	1.08	0.30	(0.00, 1.68)	238	0.43
##Friedman G H	111	3	2.70	0.89	2.81	(0.56, 8.20)	100	0.86
##Gambino A	78	0	0.00	0.37	0.00	(0.00, 11.72)	77	0.00
##Goswami R	31	0	0.00	0.69	0.00	(0.00, 15.89)	28	0.00
##Green S	601	4	0.67	1.30	0.47	(0.13, 1.21)	494	0.37
##Grunwald A	84	2	2.38	0.86	2.57	(0.29, 9.27)	79	1.96
##Gupta R V	11	0	0.00	0.23	0.00	(0.00, 100.0)	11	0.00
##Hormozi S	264	1	0.38	0.71	0.49	(0.01, 2.73)	259	0.37
##Jauhar R	36	0	0.00	1.78	0.00	(0.00, 5.29)	1	0.00
##Kaplan B	39	1	2.56	2.03	1.17	(0.02, 6.50)	.	.
##Katz S	624	5	0.80	1.16	0.64	(0.21, 1.49)	528	0.38
##Koss J	83	0	0.00	0.75	0.00	(0.00, 5.44)	72	0.00
##Langiulli M	23	1	4.35	1.02	3.96	(0.05, 22.01)	20	3.25
##Lederman S	114	0	0.00	0.64	0.00	(0.00, 4.66)	110	0.00
##Lee A	653	9	1.38	1.32	0.96	(0.44, 1.83)	518	0.57
##Lee P J	382	1	0.26	0.62	0.39	(0.01, 2.18)	375	0.35
##Marchant D	350	3	0.86	1.38	0.57	(0.12, 1.68)	274	0.75
##Musso J	27	0	0.00	0.64	0.00	(0.00, 19.54)	27	0.00
##Ong L Y	783	3	0.38	0.80	0.44	(0.09, 1.29)	700	0.50
##Padmanabhan V	140	1	0.71	0.46	1.43	(0.02, 7.96)	136	0.00
##Park C	46	1	2.17	3.53	0.57	(0.01, 3.17)	5	0.00
##Park J	90	0	0.00	0.30	0.00	(0.00, 12.70)	90	0.00
##Patcha R	292	2	0.68	0.60	1.06	(0.12, 3.81)	286	0.44
##Patel R B	189	0	0.00	0.44	0.00	(0.00, 4.05)	185	0.00
##Rehman A	12	0	0.00	2.02	0.00	(0.00, 13.96)	12	0.00
##Reich D	309	1	0.32	0.55	0.54	(0.01, 3.02)	305	0.38
##Rosenband M	53	0	0.00	0.45	0.00	(0.00, 14.26)	52	0.00
##Rutkin B	198	3	1.52	1.35	1.04	(0.21, 3.02)	142	0.75
##Sassower M	17	0	0.00	0.28	0.00	(0.00, 70.36)	17	0.00
##Schwartz R	160	0	0.00	0.58	0.00	(0.00, 3.64)	159	0.00
##Strizik B	388	6	1.55	0.80	1.78	(0.65, 3.87)	370	1.52
##Wachsmann D	132	0	0.00	0.86	0.00	(0.00, 2.98)	122	0.00
##Witkes D	178	2	1.12	0.61	1.71	(0.19, 6.18)	175	1.23
##Zisfein J	58	1	1.72	0.86	1.86	(0.02, 10.36)	55	1.46
All Others	131	2	1.53	0.70	2.02	(0.23, 7.29)	125	1.81
TOTAL	8408	61	0.73	0.92	0.73	(0.56, 0.94)	7448	0.60
Orange Regional Medical Ctr - Middletown								
##Gotsis W	42	2	4.76	3.82	1.15	(0.13, 4.15)	.	.
##Menegus M	1	0	0.00	6.00	0.00	(0.00, 56.53)	.	.
##Silverman G	40	0	0.00	3.13	0.00	(0.00, 2.71)	.	.
All Others	4	0	0.00	1.53	0.00	(0.00, 55.49)	.	.
TOTAL	87	2	2.30	3.42	0.62	(0.07, 2.24)	.	.

Table 3 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Rochester General Hospital								
Berlowitz M	489	3	0.61	0.85	0.67	(0.13, 1.95)	376	0.00
#Chockalingam S	386	7	1.81	1.04	1.62	(0.65, 3.33)	339	1.13
##Doling M	6	0	0.00	0.31	0.00	(0.00, 100.0)	6	0.00
Fitzpatrick P	341	5	1.47	0.94	1.43	(0.46, 3.35)	234	0.00
Gacioch G	358	3	0.84	1.09	0.71	(0.14, 2.07)	254	0.00
Mathew T M	715	12	1.68	0.77	2.02 *	(1.04, 3.53)	673	1.65 *
#Ong L S	2553	17	0.67	0.72	0.85	(0.50, 1.37)	2397	0.66
#Patel T	742	9	1.21	1.04	1.08	(0.49, 2.05)	724	0.71
Scortichini D	249	1	0.40	0.59	0.63	(0.01, 3.53)	242	0.46
#Stuver T	957	14	1.46	1.00	1.35	(0.74, 2.26)	760	0.90
TOTAL	6796	71	1.04	0.85	1.13	(0.88, 1.43)	6005	0.72
SVCMC - St. Vincents								
#Acuna D	35	0	0.00	0.42	0.00	(0.00, 22.87)	32	0.00
##Aslam A	8	0	0.00	0.17	0.00	(0.00, 100.0)	8	0.00
##Bhambhani G	938	3	0.32	0.23	1.26	(0.25, 3.69)	937	0.61
#Bogal M	26	1	3.85	0.15	23.79	(0.31, 100.0)	26	14.50
Braff R	45	0	0.00	1.00	0.00	(0.00, 7.57)	35	0.00
#Chokshi A	229	0	0.00	0.32	0.00	(0.00, 4.69)	228	0.00
Coppola J	349	4	1.15	0.64	1.65	(0.44, 4.23)	312	1.06
##Dominguez-Echeva	93	0	0.00	0.35	0.00	(0.00, 10.31)	93	0.00
#Farid A	6	0	0.00	0.31	0.00	(0.00, 100.0)	6	0.00
#Hasan C	130	1	0.77	0.44	1.63	(0.02, 9.08)	129	1.18
Kurian D	309	2	0.65	0.59	1.02	(0.11, 3.67)	282	0.92
##Kwan T	215	0	0.00	0.29	0.00	(0.00, 5.49)	214	0.00
#Lee J	2	0	0.00	0.36	0.00	(0.00, 100.0)	2	0.00
Nguyen T	241	1	0.41	0.64	0.60	(0.01, 3.31)	223	0.59
##Palta S	36	1	2.78	0.31	8.30	(0.11, 46.18)	36	5.01
##Rentrop K	23	0	0.00	0.17	0.00	(0.00, 86.86)	23	0.00
#Sehhat K	90	2	2.22	0.54	3.81	(0.43, 13.74)	84	2.81
Seldon M	70	1	1.43	0.87	1.51	(0.02, 8.42)	56	0.00
#Srivastava S	127	3	2.36	0.55	3.96	(0.80, 11.58)	116	4.14 *
#Staniloae C	411	7	1.70	0.54	2.91 *	(1.17, 6.00)	357	1.91
#Tai Z	64	3	4.69	0.62	7.04 *	(1.41, 20.56)	59	5.85 *
#Vidyarthi V	75	0	0.00	0.31	0.00	(0.00, 14.65)	75	0.00
All Others	85	2	2.35	0.65	3.33	(0.37, 12.03)	78	3.28
TOTAL	3607	31	0.86	0.45	1.78 *	(1.21, 2.53)	3411	1.26 *
South Nassau Communities Hospital								
#Berke A	2	1	50.00	1.17	39.56	(0.52, 100.0)	.	.
##Blumenthal S	1	0	0.00	0.32	0.00	(0.00, 100.0)	.	.
##Freeman J	482	5	1.04	1.58	0.61	(0.20, 1.41)	325	1.03
#Lituchy A	27	1	3.70	1.73	1.98	(0.03, 11.00)	9	0.00
#Minadeo J	13	0	0.00	6.41	0.00	(0.00, 4.07)	.	.
#Petrossian G	53	2	3.77	1.18	2.95	(0.33, 10.65)	50	2.97
##Rehman A	18	0	0.00	1.82	0.00	(0.00, 10.33)	4	0.00
##Zisfein J	291	4	1.37	1.47	0.86	(0.23, 2.21)	231	0.31
TOTAL	887	13	1.47	1.60	0.85	(0.45, 1.45)	619	0.88

Table 3 continued

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Southside Hospital								
##Caselnova R	45	0	0.00	1.68	0.00	(0.00, 4.49)	11	0.00
##Coven D	2	0	0.00	2.05	0.00	(0.00, 82.53)	.	.
##Deutsch E	309	3	0.97	0.47	1.91	(0.38, 5.57)	293	0.65
##Hormozi S	97	0	0.00	1.05	0.00	(0.00, 3.33)	63	0.00
##Katz S	14	0	0.00	0.20	0.00	(0.00, 100.0)	14	0.00
##Lee P J	271	1	0.37	0.50	0.69	(0.01, 3.83)	243	0.00
##Patel R B	307	0	0.00	0.58	0.00	(0.00, 1.89)	259	0.00
##Reich D	252	4	1.59	0.72	2.04	(0.55, 5.21)	212	2.21
TOTAL	1297	8	0.62	0.64	0.90	(0.39, 1.77)	1095	0.70
St. Catherine of Siena Hospital								
#Balchandani R	1	0	0.00	1.61	0.00	(0.00, 100.0)	.	.
#Dervan J	2	0	0.00	5.64	0.00	(0.00, 30.06)	.	.
##Deutsch E	13	0	0.00	1.20	0.00	(0.00, 21.65)	.	.
##Grella R	1	0	0.00	1.77	0.00	(0.00, 100.0)	.	.
##Hormozi S	22	0	0.00	2.19	0.00	(0.00, 7.03)	1	0.00
#Khan S	9	0	0.00	1.60	0.00	(0.00, 23.50)	.	.
#Madrid A	7	0	0.00	1.40	0.00	(0.00, 34.57)	.	.
##Patel R B	44	0	0.00	2.37	0.00	(0.00, 3.25)	.	.
##Rosenband M	14	0	0.00	1.86	0.00	(0.00, 13.03)	1	0.00
#Tsiamtsiouris T	8	0	0.00	2.16	0.00	(0.00, 19.62)	.	.
TOTAL	121	0	0.00	2.07	0.00	(0.00, 1.35)	2	0.00
St. Elizabeth Medical Center								
#Kelberman M	569	5	0.88	0.82	0.99	(0.32, 2.30)	502	0.81
#MacIsaac H	830	6	0.72	1.16	0.57	(0.21, 1.25)	719	0.53
#Mathew T C	713	6	0.84	1.00	0.78	(0.28, 1.69)	640	0.59
#Nassif R	449	6	1.34	0.93	1.32	(0.48, 2.88)	400	0.88
#Patel A	432	4	0.93	0.93	0.92	(0.25, 2.35)	359	0.52
##Sassower M	157	3	1.91	1.34	1.32	(0.27, 3.86)	138	0.53
#Varma P	448	8	1.79	0.99	1.67	(0.72, 3.30)	383	1.60 *
TOTAL	3598	38	1.06	1.01	0.97	(0.69, 1.33)	3141	0.76
St. Francis Hospital								
Abittan M	395	0	0.00	0.91	0.00	(0.00, 0.94)	376	0.00
#Arkonac B	255	7	2.75	1.32	1.92	(0.77, 3.95)	222	1.04
#Berke A	390	6	1.54	1.49	0.95	(0.35, 2.07)	356	0.66
##Chang J	15	0	0.00	0.22	0.00	(0.00, 100.0)	15	0.00
##Coven D	26	0	0.00	0.28	0.00	(0.00, 45.79)	25	0.00
##Deutsch E	10	1	10.00	2.61	3.54	(0.05, 19.71)	9	9.86
Ezratty A	297	5	1.68	0.99	1.57	(0.51, 3.66)	274	0.83
##Friedman G H	93	1	1.08	1.25	0.80	(0.01, 4.44)	90	0.00
##Gambino A	32	1	3.13	0.71	4.05	(0.05, 22.52)	32	2.74
Goldman A B	153	0	0.00	1.01	0.00	(0.00, 2.20)	143	0.00
##Grunwald A	33	2	6.06	0.45	12.35*	(1.39, 44.59)	30	10.11
Gulotta R	276	3	1.09	0.83	1.21	(0.24, 3.54)	262	1.05
##Koss J	54	0	0.00	1.57	0.00	(0.00, 4.00)	45	0.00
##Lee P J	57	0	0.00	0.41	0.00	(0.00, 14.40)	57	0.00
#Lituchy A	536	4	0.75	0.91	0.76	(0.20, 1.95)	502	0.47
#Madrid A	230	1	0.43	0.78	0.51	(0.01, 2.85)	194	0.62
#Minadeo J	323	5	1.55	1.40	1.02	(0.33, 2.39)	280	0.81

Table 3 *continued*

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
St. Francis Hospital, <i>continued</i>								
Oruci E	297	0	0.00	0.86	0.00	(0.00, 1.32)	291	0.00
##Papadakos S	1	0	0.00	0.09	0.00	(0.00, 100.0)	1	0.00
Pappas T	277	1	0.36	0.69	0.48	(0.01, 2.69)	261	0.00
#Petrossian G	1342	10	0.75	1.02	0.68	(0.32, 1.24)	1273	0.46
##Rehman A	790	3	0.38	1.03	0.34	(0.07, 0.99)	707	0.22
##Reich D	44	0	0.00	0.39	0.00	(0.00, 19.99)	43	0.00
##Schwartz R	12	0	0.00	1.86	0.00	(0.00, 15.18)	12	0.00
Shlofmitz R	1992	10	0.50	0.65	0.71	(0.34, 1.31)	1947	0.50
#Tsiamtsiouris T	497	5	1.01	1.06	0.88	(0.28, 2.05)	456	0.17
Venditto J	270	3	1.11	1.02	1.01	(0.20, 2.95)	263	0.00
#Wachsman D	8	0	0.00	0.11	0.00	(0.00, 100.0)	8	0.00
##Zisfein J	116	0	0.00	0.69	0.00	(0.00, 4.25)	112	0.00
All Others	106	0	0.00	0.78	0.00	(0.00, 4.08)	104	0.00
TOTAL	8927	68	0.76	0.93	0.76	(0.59, 0.96)	8390	0.46 **
St. Josephs Hospital								
##Amin N	100	1	1.00	0.86	1.07	(0.01, 5.96)	84	0.00
#Bhan R	484	4	0.83	0.71	1.07	(0.29, 2.74)	440	0.76
#Caputo R	1192	17	1.43	1.25	1.05	(0.61, 1.68)	1019	0.72
#El-Khally Z	160	1	0.63	0.71	0.81	(0.01, 4.53)	152	0.58
Fischi M	725	2	0.28	1.10	0.23 **	(0.03, 0.83)	597	0.15
#Ford T	156	1	0.64	0.79	0.75	(0.01, 4.16)	131	0.85
#Giambartolomei A	450	8	1.78	1.16	1.42	(0.61, 2.79)	369	0.81
#Iskander A	637	13	2.04	1.50	1.26	(0.67, 2.15)	513	1.00
Kazzaz N	163	0	0.00	0.33	0.00	(0.00, 6.33)	163	0.00
O'Hern M	283	5	1.77	1.21	1.35	(0.43, 3.15)	257	0.96
Reger M	410	2	0.49	0.88	0.52	(0.06, 1.86)	347	0.50
#Simons A	796	5	0.63	0.90	0.65	(0.21, 1.51)	668	0.47
Walford G	370	0	0.00	0.95	0.00	(0.00, 0.97)	296	0.00
All Others	48	0	0.00	0.48	0.00	(0.00, 14.71)	46	0.00
TOTAL	5974	59	0.99	1.05	0.87	(0.66, 1.12)	5082	0.61
St. Lukes Roosevelt Hospital-St. Lukes								
##Coven D	179	1	0.56	0.97	0.53	(0.01, 2.96)	144	0.00
#Goldman A Y	30	0	0.00	0.25	0.00	(0.00, 45.45)	30	0.00
#Hong M	383	6	1.57	1.14	1.27	(0.46, 2.76)	312	0.72
Leber R	228	1	0.44	0.96	0.42	(0.01, 2.35)	192	0.00
Palazzo A	141	2	1.42	1.05	1.25	(0.14, 4.50)	116	0.88
Simon C	434	6	1.38	1.96	0.65	(0.24, 1.42)	382	0.23
#Singh V	6	0	0.00	0.58	0.00	(0.00, 98.15)	5	0.00
##Slater J	44	1	2.27	1.29	1.63	(0.02, 9.09)	43	1.41
Tamis-Holland J	176	5	2.84	1.38	1.90	(0.61, 4.43)	144	1.38
##Wilentz J	4	0	0.00	0.49	0.00	(0.00, 100.0)	4	0.00
TOTAL	1625	22	1.35	1.32	0.95	(0.60, 1.44)	1372	0.44
St. Peters Hospital								
Bishop G	354	7	1.98	1.01	1.81	(0.72, 3.72)	244	1.06
##Brady S	63	0	0.00	0.70	0.00	(0.00, 7.73)	56	0.00
##Delago A	28	0	0.00	1.90	0.00	(0.00, 6.38)	12	0.00
#Dempsey S	2	0	0.00	0.45	0.00	(0.00, 100.0)	1	0.00
Desantis J	145	1	0.69	0.60	1.05	(0.01, 5.87)	107	1.80

Table 3 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
St. Peters Hospital, continued								
##Esper D	273	2	0.73	0.77	0.88	(0.10, 3.16)	248	0.85
#Kufs W	26	0	0.00	0.68	0.00	(0.00, 19.14)	25	0.00
#Macina A	4	0	0.00	1.81	0.00	(0.00, 46.76)	.	.
Marmulstein M	63	0	0.00	1.73	0.00	(0.00, 3.10)	33	0.00
Martinelli M	663	9	1.36	0.84	1.50	(0.68, 2.85)	546	1.26
##Papaleo R	30	0	0.00	0.36	0.00	(0.00,31.73)	23	0.00
#Papandrea L	225	5	2.22	0.70	2.95 *	(0.95, 6.88)	198	2.68 *
Roccario E	601	7	1.16	0.96	1.12	(0.45, 2.31)	463	0.78
All Others	112	3	2.68	1.06	2.33	(0.47, 6.81)	93	0.00
TOTAL	2589	34	1.31	0.89	1.36 *	(0.94, 1.90)	2049	1.06 *
Staten Island University Hospital- North								
#Acuna D	5	0	0.00	0.55	0.00	(0.00, 100.0)	5	0.00
Baldari D	390	5	1.28	1.02	1.16	(0.37, 2.71)	336	0.65
Duvvuri S	388	2	0.52	0.57	0.83	(0.09, 3.01)	362	0.71
#Farid A	354	0	0.00	0.33	0.00	(0.00, 2.88)	344	0.00
Homayuni A	282	0	0.00	0.59	0.00	(0.00, 2.04)	250	0.00
#Hoyek W	88	0	0.00	0.63	0.00	(0.00, 6.14)	79	0.00
Malpeso J	330	1	0.30	0.69	0.40	(0.01, 2.25)	261	0.00
McCord D	466	3	0.64	0.67	0.88	(0.18, 2.58)	408	0.38
Mohan R	29	0	0.00	0.51	0.00	(0.00, 22.97)	29	0.00
#Polin N	35	0	0.00	0.57	0.00	(0.00, 17.01)	25	0.00
#Rouvelas P	48	0	0.00	0.58	0.00	(0.00, 12.11)	47	0.00
Snyder S	216	4	1.85	0.86	1.98	(0.53, 5.08)	179	0.53
Swamy S	272	2	0.74	0.44	1.53	(0.17, 5.53)	262	1.17
Tamburrino F	407	2	0.49	0.75	0.61	(0.07, 2.19)	357	0.28
Vazzana T	86	0	0.00	0.41	0.00	(0.00, 9.60)	77	0.00
Warchol A	139	1	0.72	0.98	0.68	(0.01, 3.79)	111	0.00
All Others	18	0	0.00	0.31	0.00	(0.00, 59.81)	15	0.00
TOTAL	3553	20	0.56	0.66	0.78	(0.48, 1.21)	3147	0.40
Strong Memorial Hospital								
Cove C	540	11	2.04	1.09	1.73	(0.86, 3.10)	418	1.68 *
##Doling M	783	8	1.02	0.77	1.23	(0.53, 2.42)	668	0.51
Garringer J	199	2	1.01	0.70	1.33	(0.15, 4.81)	170	0.80
Gassler J	708	8	1.13	0.93	1.12	(0.48, 2.21)	554	1.14
#Ling F	592	6	1.01	1.10	0.85	(0.31, 1.86)	452	0.41
#Narins C	775	13	1.68	1.07	1.45	(0.77, 2.48)	608	1.41 *
Pomerantz R	206	5	2.43	0.95	2.36	(0.76, 5.50)	127	1.42
All Others	20	0	0.00	0.85	0.00	(0.00, 20.01)	17	0.00
TOTAL	3823	53	1.39	0.96	1.33 *	(1.00, 1.74)	3014	1.03 *
United Health Services - Wilson Hospital								
Ahmed O	329	2	0.61	1.04	0.54	(0.06, 1.95)	245	0.00
Jamal N	585	6	1.03	1.04	0.91	(0.33, 1.99)	503	0.44
Kashou H	501	6	1.20	1.01	1.09	(0.40, 2.38)	351	1.11
Rehman A U	339	4	1.18	1.17	0.93	(0.25, 2.38)	262	1.19
Stamato N	329	1	0.30	1.00	0.28	(0.00, 1.56)	252	0.40
Traverse P	471	3	0.64	0.98	0.60	(0.12, 1.76)	387	0.29
TOTAL	2554	22	0.86	1.04	0.77	(0.48, 1.16)	2000	0.61

Table 3 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Unity Hospital of Rochester								
#Chockalingam S	16	0	0.00	0.93	0.00	(0.00,22.85)	8	0.00
##Doling M	27	0	0.00	0.27	0.00	(0.00,46.95)	26	0.00
#Ling F	34	1	2.94	0.33	8.28	(0.11,46.06)	31	0.00
#Narins C	25	0	0.00	0.43	0.00	(0.00,31.35)	24	0.00
#Ong L S	5	0	0.00	1.30	0.00	(0.00,52.28)	1	0.00
#Patel T	570	10	1.75	1.66	0.98	(0.47, 1.79)	401	0.35
#Stuver T	2	0	0.00	8.57	0.00	(0.00,19.77)	.	.
TOTAL	679	11	1.62	1.49	1.00	(0.50, 1.79)	491	0.30
University Hospital - Brooklyn								
#Afflu E	53	0	0.00	0.60	0.00	(0.00,10.70)	52	0.00
#Badero O	26	0	0.00	0.71	0.00	(0.00,18.37)	25	0.00
#Castillo R	208	2	0.96	0.72	1.24	(0.14, 4.47)	193	1.19
Cavusoglu E	652	8	1.23	0.78	1.45	(0.63, 2.86)	610	1.04
Chadi R	5	0	0.00	0.82	0.00	(0.00,82.22)	5	0.00
#Chadow H	274	9	3.28	0.89	3.41 *	(1.56, 6.47)	260	2.44 *
Feit A	503	3	0.60	0.68	0.81	(0.16, 2.37)	474	0.45
#Jasty B	256	4	1.56	0.47	3.05	(0.82, 7.80)	255	2.27
##Jayasundera T	20	0	0.00	1.30	0.00	(0.00,13.03)	12	0.00
##John S	269	6	2.23	0.74	2.77 *	(1.01, 6.03)	259	2.30 *
Marmur J	652	11	1.69	0.90	1.73	(0.86, 3.10)	605	0.96
##Palta S	7	0	0.00	2.26	0.00	(0.00,21.46)	4	0.00
All Others	11	0	0.00	0.65	0.00	(0.00,47.14)	10	0.00
TOTAL	2936	43	1.46	0.77	1.76 *	(1.27, 2.37)	2764	1.27 *
University Hospital - SUNY Upstate								
#Battaglia J	10	1	10.00	1.19	7.77	(0.10,43.24)	9	5.87
Kozman H	396	7	1.77	1.86	0.88	(0.35, 1.81)	245	0.29
Siddiqui D	428	7	1.64	1.39	1.09	(0.44, 2.25)	308	0.42
All Others	64	2	3.13	1.66	1.74	(0.19, 6.27)	50	2.01
TOTAL	898	17	1.89	1.61	1.09	(0.63, 1.74)	612	0.64
University Hospital - Stony Brook								
#Balchandani R	245	1	0.41	0.77	0.49	(0.01, 2.73)	217	0.42
Chernilas J	390	6	1.54	1.57	0.90	(0.33, 1.97)	243	1.16
#Dervan J	460	4	0.87	0.69	1.16	(0.31, 2.98)	439	0.88
#Goswami R	102	2	1.96	0.78	2.32	(0.26, 8.37)	90	0.87
##Grella R	376	2	0.53	0.76	0.64	(0.07, 2.33)	342	0.56
Gruberg L	421	8	1.90	1.80	0.97	(0.42, 1.92)	272	0.19
Jeremias A	402	10	2.49	1.82	1.27	(0.61, 2.33)	255	1.57
Joseph S	59	0	0.00	0.63	0.00	(0.00, 9.08)	51	0.00
#Khan S	244	1	0.41	0.88	0.43	(0.01, 2.40)	238	0.34
Korlipara G	364	0	0.00	0.51	0.00	(0.00, 1.82)	355	0.00
Lawson W	598	8	1.34	1.19	1.04	(0.45, 2.05)	426	1.31
##Lederman S	223	3	1.35	0.76	1.64	(0.33, 4.79)	208	1.26
Mani A	604	12	1.99	1.79	1.02	(0.53, 1.79)	411	0.65
##Rosenband M	476	2	0.42	1.07	0.36	(0.04, 1.31)	460	0.33
All Others	224	4	1.79	1.17	1.41	(0.38, 3.61)	177	1.15
TOTAL	5188	63	1.21	1.18	0.95	(0.73, 1.21)	4184	0.73

Table 3 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Vassar Brothers Medical Center								
Gorwara S	443	3	0.68	1.16	0.54	(0.11, 1.58)	323	0.26
Jafar M	789	8	1.01	0.93	1.01	(0.43, 1.99)	654	0.73
Kantaros L	342	0	0.00	0.78	0.00	(0.00, 1.28)	263	0.00
Shah N	171	0	0.00	1.07	0.00	(0.00, 1.85)	156	0.00
Yen M	400	5	1.25	1.16	1.00	(0.32, 2.33)	296	0.72
All Others	36	0	0.00	0.54	0.00	(0.00, 17.43)	33	0.00
TOTAL	2181	16	0.73	1.00	0.68	(0.39, 1.10)	1725	0.45
Westchester Medical Center								
#Charney R	49	0	0.00	0.69	0.00	(0.00, 10.02)	49	0.00
Cohen M B	277	0	0.00	0.91	0.00	(0.00, 1.35)	231	0.00
Hadid A	189	0	0.00	0.64	0.00	(0.00, 2.79)	186	0.00
Hadid A B	87	2	2.30	1.42	1.49	(0.17, 5.39)	69	1.61
Hjemdahl-Monsen C	1040	6	0.58	1.10	0.49	(0.18, 1.06)	895	0.33
Kalapatapu K	1405	20	1.42	0.97	1.36	(0.83, 2.09)	1222	1.13 *
#Langiulli M	229	6	2.62	1.25	1.94	(0.71, 4.23)	176	2.29
#Messinger D	26	0	0.00	0.50	0.00	(0.00, 26.28)	26	0.00
Pucillo A	505	4	0.79	0.72	1.02	(0.27, 2.61)	448	0.53
Sorbera C	354	7	1.98	1.37	1.33	(0.53, 2.74)	282	0.67
All Others	77	1	1.30	2.90	0.41	(0.01, 2.31)	68	0.00
TOTAL	4238	46	1.09	1.04	0.96	(0.71, 1.29)	3652	0.74
Winthrop University Hospital								
##Angelopoulos P	146	2	1.37	0.89	1.42	(0.16, 5.13)	107	1.05
##Blumenthal S	104	0	0.00	0.82	0.00	(0.00, 3.98)	94	0.00
##Caselnova R	282	3	1.06	0.88	1.12	(0.23, 3.27)	264	1.15
##Deutsch E	4	0	0.00	0.15	0.00	(0.00, 100.0)	4	0.00
##Gambino A	494	3	0.61	0.93	0.61	(0.12, 1.77)	454	0.38
##Gupta R V	24	0	0.00	0.75	0.00	(0.00, 18.77)	23	0.00
##Hormozi S	27	0	0.00	0.69	0.00	(0.00, 18.20)	26	0.00
##Lederman S	10	0	0.00	0.88	0.00	(0.00, 38.32)	9	0.00
##Lee P J	3	0	0.00	0.86	0.00	(0.00, 100.0)	3	0.00
Marzo K	367	2	0.54	0.56	0.90	(0.10, 3.25)	318	1.04
#Naidu S	309	4	1.29	0.97	1.23	(0.33, 3.15)	245	0.67
##Park J	168	0	0.00	0.56	0.00	(0.00, 3.59)	151	0.00
##Patel R B	1	0	0.00	0.43	0.00	(0.00, 100.0)	1	0.00
##Sassower M	390	3	0.77	0.89	0.80	(0.16, 2.33)	353	0.52
##Schwartz R	818	7	0.86	0.72	1.10	(0.44, 2.26)	755	0.58
#Witkes D	176	1	0.57	0.50	1.05	(0.01, 5.82)	165	0.82
All Others	128	1	0.78	1.06	0.68	(0.01, 3.79)	106	0.00
TOTAL	3451	26	0.75	0.79	0.88	(0.57, 1.29)	3078	0.57
Statewide Total	164792	1523	0.92				144853	0.63

* 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 4 Summary Information for Cardiologists Practicing at More Than One Hospital, 2006-2008 Discharges

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Acuna D	40	0	0.00	0.44	0.00	(0.00, 19.31)	37	0.00
SVMC- St. Vincents	35	0	0.00	0.42	0.00	(0.00, 22.87)	32	0.00
Staten Island UnivHosp	5	0	0.00	0.55	0.00	(0.00, 100.0)	5	0.00
Afflu E	90	0	0.00	0.44	0.00	(0.00, 8.58)	89	0.00
NY Methodist Hospital	37	0	0.00	0.21	0.00	(0.00, 43.29)	37	0.00
Univ.Hosp-Brooklyn	53	0	0.00	0.60	0.00	(0.00, 10.70)	52	0.00
Amin N	485	3	0.62	0.85	0.67	(0.14, 1.97)	369	0.34
Arnot Ogden Med Ctr	276	2	0.72	0.85	0.79	(0.09, 2.85)	196	0.74
Crouse Hospital	109	0	0.00	0.84	0.00	(0.00, 3.70)	89	0.00
St. Josephs Hospital	100	1	1.00	0.86	1.07	(0.01, 5.96)	84	0.00
Angelopoulos P	151	2	1.32	0.89	1.38	(0.16, 4.99)	112	1.00
NYU Hospitals Center	2	0	0.00	1.12	0.00	(0.00, 100.0)	2	0.00
North Shore Univ Hosp	3	0	0.00	0.47	0.00	(0.00, 100.0)	3	0.00
Winthrop Univ. Hosp	146	2	1.37	0.89	1.42	(0.16, 5.13)	107	1.05
Arkonac B	341	7	2.05	1.37	1.38	(0.55, 2.85)	297	0.79
LIJ Medical Center	86	0	0.00	1.52	0.00	(0.00, 2.59)	75	0.00
St. Francis Hospital	255	7	2.75	1.32	1.92	(0.77, 3.95)	222	1.04
Aslam A	207	0	0.00	0.34	0.00	(0.00, 4.87)	206	0.00
Beth Israel Med Ctr	137	0	0.00	0.35	0.00	(0.00, 7.01)	136	0.00
NY Methodist Hospital	62	0	0.00	0.32	0.00	(0.00, 17.04)	62	0.00
SVMC- St. Vincents	8	0	0.00	0.17	0.00	(0.00, 100.0)	8	0.00
Attubato M	971	6	0.62	0.89	0.64	(0.23, 1.40)	905	0.33
Bellevue Hospital Ctr	209	2	0.96	1.08	0.82	(0.09, 2.97)	197	0.47
NYU Hospitals Center	762	4	0.52	0.84	0.58	(0.16, 1.48)	708	0.29
Babaev A	460	2	0.43	0.60	0.67	(0.08, 2.42)	445	0.29
Bellevue Hospital Ctr	8	1	12.50	3.83	3.01	(0.04, 16.76)	1	0.00
NYU Hospitals Center	452	1	0.22	0.54	0.38	(0.00, 2.10)	444	0.29
Badero O	167	0	0.00	0.39	0.00	(0.00, 5.16)	166	0.00
NY Methodist Hospital	141	0	0.00	0.33	0.00	(0.00, 7.18)	141	0.00
Univ.Hosp-Brooklyn	26	0	0.00	0.71	0.00	(0.00, 18.37)	25	0.00
Bagga R	375	0	0.00	0.70	0.00	(0.00, 1.29)	323	0.00
Huntington Hospital	43	0	0.00	2.17	0.00	(0.00, 3.63)	.	.
LIJ Medical Center	163	0	0.00	0.54	0.00	(0.00, 3.84)	159	0.00
North Shore Univ Hosp	169	0	0.00	0.48	0.00	(0.00, 4.14)	164	0.00
Balchandani R	246	1	0.41	0.77	0.49	(0.01, 2.71)	217	0.42
St. Catherine of Siena	1	0	0.00	1.61	0.00	(0.00, 100.0)	.	.
Univ.Hosp-Stony Brook	245	1	0.41	0.77	0.49	(0.01, 2.73)	217	0.42
Barman N	380	5	1.32	1.81	0.67	(0.22, 1.57)	309	0.45
Elmhurst Hospital Ctr	16	0	0.00	4.75	0.00	(0.00, 4.46)	.	.
Mount Sinai Hospital	364	5	1.37	1.68	0.75	(0.24, 1.76)	309	0.45

Table 4 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Battaglia J	810	16	1.98	0.68	2.69 *	(1.54, 4.38)	721	2.30 *
Crouse Hospital	800	15	1.88	0.67	2.58 *	(1.44, 4.26)	712	2.19 *
Univ.Hosp-SUNY Upstate	10	1	10.00	1.19	7.77	(0.10, 43.24)	9	5.87
Berke A	392	7	1.79	1.49	1.11	(0.44, 2.28)	356	0.66
South Nassau Comm.Hosp	2	1	50.00	1.17	39.56	(0.52, 100.0)	.	.
St. Francis Hospital	390	6	1.54	1.49	0.95	(0.35, 2.07)	356	0.66
Bhambhani G	1555	4	0.26	0.23	1.03	(0.28, 2.64)	1554	0.56
Beth Israel Med Ctr	613	1	0.16	0.23	0.67	(0.01, 3.72)	613	0.48
NY Methodist Hospital	4	0	0.00	0.32	0.00	(0.00, 100.0)	4	0.00
SVMC- St. Vincents	938	3	0.32	0.23	1.26	(0.25, 3.69)	937	0.61
Bhan R	492	4	0.81	0.71	1.07	(0.29, 2.73)	448	0.75
Crouse Hospital	8	0	0.00	0.14	0.00	(0.00, 100.0)	8	0.00
St. Josephs Hospital	484	4	0.83	0.71	1.07	(0.29, 2.74)	440	0.76
Blumenthal S	117	0	0.00	0.78	0.00	(0.00, 3.69)	106	0.00
North Shore Univ Hosp	12	0	0.00	0.52	0.00	(0.00, 54.50)	12	0.00
South Nassau Comm.Hosp	1	0	0.00	0.32	0.00	(0.00, 100.0)	.	.
Winthrop Univ. Hosp	104	0	0.00	0.82	0.00	(0.00, 3.98)	94	0.00
Bogal M	64	2	3.13	0.53	5.44	(0.61, 19.65)	64	3.66
NY Methodist Hospital	38	1	2.63	0.79	3.07	(0.04, 17.09)	38	2.09
SVMC- St. Vincents	26	1	3.85	0.15	23.79	(0.31, 100.0)	26	14.50
Boutis L	307	2	0.65	1.69	0.36	(0.04, 1.28)	196	0.44
LIJ Medical Center	13	1	7.69	2.48	2.86	(0.04, 15.92)	1	0.00
North Shore Univ Hosp	294	1	0.34	1.66	0.19	(0.00, 1.06)	195	0.44
Brady S	626	3	0.48	0.71	0.62	(0.12, 1.81)	532	0.27
Albany Medical Center	561	3	0.53	0.71	0.69	(0.14, 2.03)	476	0.31
Glens Falls Hospital	2	0	0.00	1.47	0.00	(0.00, 100.0)	.	.
St. Peters Hospital	63	0	0.00	0.70	0.00	(0.00, 7.73)	56	0.00
Calandra S	462	0	0.00	1.00	0.00 **	(0.00, 0.73)	378	0.00
Mercy Hospital	363	0	0.00	1.11	0.00 **	(0.00, 0.84)	284	0.00
Millard Fillmore Hosp	99	0	0.00	0.59	0.00	(0.00, 5.76)	94	0.00
Caputo R	1194	17	1.42	1.25	1.05	(0.61, 1.68)	1020	0.72
Crouse Hospital	2	0	0.00	0.86	0.00	(0.00, 100.0)	1	0.00
St. Josephs Hospital	1192	17	1.43	1.25	1.05	(0.61, 1.68)	1019	0.72
Caselnova R	1013	10	0.99	0.84	1.09	(0.52, 2.00)	876	0.93
Good Sam - West Islip	164	3	1.83	0.99	1.70	(0.34, 4.98)	112	0.00
Huntington Hospital	12	0	0.00	1.48	0.00	(0.00, 19.04)	.	.
North Shore Univ Hosp	510	4	0.78	0.68	1.07	(0.29, 2.74)	489	0.95
Southside Hospital	45	0	0.00	1.68	0.00	(0.00, 4.49)	11	0.00
Winthrop Univ. Hosp	282	3	1.06	0.88	1.12	(0.23, 3.27)	264	1.15

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Castillo R	234	5	2.14	1.05	1.88	(0.61, 4.40)	193	1.19
Brookdale Hosp Med Ctr	26	3	11.54	3.70	2.88	(0.58, 8.43)	.	.
Univ.Hosp-Brooklyn	208	2	0.96	0.72	1.24	(0.14, 4.47)	193	1.19
Chadow H	308	13	4.22	1.19	3.28 *	(1.74, 5.61)	260	2.44 *
Brookdale Hosp Med Ctr	34	4	11.76	3.60	3.02	(0.81, 7.74)	.	.
Univ.Hosp-Brooklyn	274	9	3.28	0.89	3.41 *	(1.56, 6.47)	260	2.44 *
Chang J	844	7	0.83	0.89	0.86	(0.34, 1.77)	748	0.53
Lenox Hill Hospital	1	0	0.00	0.24	0.00	(0.00, 100.0)	1	0.00
NY Hospital - Queens	828	7	0.85	0.91	0.86	(0.34, 1.77)	732	0.53
St. Francis Hospital	15	0	0.00	0.22	0.00	(0.00, 100.0)	15	0.00
Charney R	342	2	0.58	0.87	0.62	(0.07, 2.23)	336	0.51
NYP- Weill Cornell	293	2	0.68	0.90	0.70	(0.08, 2.52)	287	0.60
Westchester Med Ctr	49	0	0.00	0.69	0.00	(0.00, 10.02)	49	0.00
Chockalingam S	402	7	1.74	1.03	1.56	(0.62, 3.21)	347	1.11
Rochester General Hosp	386	7	1.81	1.04	1.62	(0.65, 3.33)	339	1.13
Unity Hospital	16	0	0.00	0.93	0.00	(0.00, 22.85)	8	0.00
Chokshi A	287	1	0.35	0.36	0.90	(0.01, 5.02)	286	0.69
NY Methodist Hospital	58	1	1.72	0.52	3.07	(0.04, 17.08)	58	2.18
SVMC- St. Vincents	229	0	0.00	0.32	0.00	(0.00, 4.69)	228	0.00
Clark V	281	7	2.49	0.85	2.71 *	(1.09, 5.58)	230	2.66 *
Arnot Ogden Med Ctr	5	0	0.00	0.36	0.00	(0.00, 100.0)	4	0.00
M I Bassett Hospital	276	7	2.54	0.86	2.73 *	(1.09, 5.63)	226	2.69 *
Conley J	1289	8	0.62	0.60	0.96	(0.41, 1.88)	1258	0.64
Buffalo General Hosp	1288	8	0.62	0.60	0.96	(0.41, 1.89)	1258	0.64
Millard Fillmore Hosp	1	0	0.00	1.62	0.00	(0.00, 100.0)	.	.
Corbelli J	800	12	1.50	0.98	1.42	(0.73, 2.47)	728	0.97
Buffalo General Hosp	9	0	0.00	1.81	0.00	(0.00, 20.81)	.	.
Millard Fillmore Hosp	791	12	1.52	0.97	1.45	(0.75, 2.53)	728	0.97
Coven D	243	1	0.41	0.84	0.45	(0.01, 2.53)	201	0.00
Good Sam - West Islip	3	0	0.00	3.02	0.00	(0.00, 37.40)	.	.
North Shore Univ Hosp	33	0	0.00	0.28	0.00	(0.00, 36.24)	32	0.00
Southside Hospital	2	0	0.00	2.05	0.00	(0.00, 82.53)	.	.
St. Francis Hospital	26	0	0.00	0.28	0.00	(0.00, 45.79)	25	0.00
St. Lukes at St. Lukes	179	1	0.56	0.97	0.53	(0.01, 2.96)	144	0.00
Delago A	1350	8	0.59	0.65	0.85	(0.36, 1.67)	1202	0.70
Albany Medical Center	1312	7	0.53	0.60	0.82	(0.33, 1.70)	1190	0.71
Glens Falls Hospital	10	1	10.00	3.60	2.57	(0.03, 14.28)	.	.
St. Peters Hospital	28	0	0.00	1.90	0.00	(0.00, 6.38)	12	0.00
Dempsey S	90	0	0.00	0.65	0.00	(0.00, 5.81)	84	0.00
Ellis Hospital	88	0	0.00	0.65	0.00	(0.00, 5.90)	83	0.00
St. Peters Hospital	2	0	0.00	0.45	0.00	(0.00, 100.0)	1	0.00

Table 4 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Dervan J	462	4	0.87	0.71	1.12	(0.30, 2.88)	439	0.88
St. Catherine of Siena	2	0	0.00	5.64	0.00	(0.00, 30.06)	.	.
Univ.Hosp-Stony Brook	460	4	0.87	0.69	1.16	(0.31, 2.98)	439	0.88
Deutsch E	695	8	1.15	0.67	1.59	(0.68, 3.13)	629	1.13
Good Sam - West Islip	48	1	2.08	2.09	0.92	(0.01, 5.12)	16	0.00
North Shore Univ Hosp	311	3	0.96	0.57	1.56	(0.31, 4.56)	307	1.11
Southside Hospital	309	3	0.97	0.47	1.91	(0.38, 5.57)	293	0.65
St. Catherine of Siena	13	0	0.00	1.20	0.00	(0.00, 21.65)	.	.
St. Francis Hospital	10	1	10.00	2.61	3.54	(0.05, 19.71)	9	9.86
Winthrop Univ. Hosp	4	0	0.00	0.15	0.00	(0.00, 100.0)	4	0.00
Dhama B	189	0	0.00	0.63	0.00	(0.00, 2.85)	178	0.00
LIJ Medical Center	84	0	0.00	0.74	0.00	(0.00, 5.46)	79	0.00
North Shore Univ Hosp	105	0	0.00	0.54	0.00	(0.00, 5.97)	99	0.00
Doling M	816	8	0.98	0.75	1.21	(0.52, 2.39)	700	0.50
Rochester General Hosp	6	0	0.00	0.31	0.00	(0.00, 100.0)	6	0.00
Strong Memorial Hosp	783	8	1.02	0.77	1.23	(0.53, 2.42)	668	0.51
Unity Hospital	27	0	0.00	0.27	0.00	(0.00, 46.95)	26	0.00
Dominguez-Echevarria A	608	5	0.82	0.79	0.96	(0.31, 2.24)	605	0.71
Lenox Hill Hospital	458	5	1.09	0.92	1.10	(0.35, 2.57)	455	0.82
NY Methodist Hospital	57	0	0.00	0.51	0.00	(0.00, 11.77)	57	0.00
SVMC- St. Vincents	93	0	0.00	0.35	0.00	(0.00, 10.31)	93	0.00
El-Khally Z	406	5	1.23	0.88	1.29	(0.42, 3.02)	359	1.01
Crouse Hospital	246	4	1.63	0.99	1.52	(0.41, 3.89)	207	1.61
St. Josephs Hospital	160	1	0.63	0.71	0.81	(0.01, 4.53)	152	0.58
Emerson R	287	3	1.05	1.62	0.60	(0.12, 1.74)	179	0.00
Erie County Med Ctr	16	0	0.00	1.23	0.00	(0.00, 17.20)	11	0.00
Mercy Hospital	268	3	1.12	1.66	0.62	(0.12, 1.82)	165	0.00
Millard Fillmore Hosp	3	0	0.00	0.14	0.00	(0.00,100.0)	3	0.00
Esper D	451	4	0.89	0.86	0.95	(0.26, 2.43)	376	0.63
Albany Medical Center	171	2	1.17	1.00	1.09	(0.12, 3.92)	128	0.00
Glens Falls Hospital	7	0	0.00	1.22	0.00	(0.00,39.76)	.	.
St. Peters Hospital	273	2	0.73	0.77	0.88	(0.10, 3.16)	248	0.85
Farhi E	889	7	0.79	0.94	0.77	(0.31, 1.59)	801	0.45
Buffalo General Hosp	886	7	0.79	0.93	0.79	(0.32, 1.62)	801	0.45
Millard Fillmore Hosp	3	0	0.00	5.49	0.00	(0.00,20.58)	.	.
Farid A	360	0	0.00	0.33	0.00	(0.00, 2.83)	350	0.00
SVMC- St. Vincents	6	0	0.00	0.31	0.00	(0.00,100.0)	6	0.00
Staten Island Univ Hosp	354	0	0.00	0.33	0.00	(0.00, 2.88)	344	0.00
Feit F	824	2	0.24	0.62	0.36	(0.04, 1.32)	781	0.00**
Bellevue Hospital Ctr	212	1	0.47	0.64	0.68	(0.01, 3.79)	198	0.00
NYU Hospitals Center	612	1	0.16	0.61	0.25	(0.00, 1.38)	583	0.00

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Fernaine G	391	1	0.26	0.66	0.36	(0.00, 2.00)	384	0.00
Lenox Hill Hospital	312	1	0.32	0.66	0.45	(0.01, 2.51)	305	0.00
Mount Sinai Hospital	79	0	0.00	0.65	0.00	(0.00, 6.56)	79	0.00
Ford T	337	3	0.89	0.87	0.94	(0.19, 2.76)	280	0.89
Crouse Hospital	181	2	1.10	0.94	1.09	(0.12, 3.92)	149	0.95
St. Josephs Hospital	156	1	0.64	0.79	0.75	(0.01, 4.16)	131	0.85
Fox J	1822	14	0.77	0.95	0.75	(0.41, 1.26)	1736	0.58
Beth Israel Med Ctr	1821	14	0.77	0.95	0.75	(0.41, 1.26)	1735	0.58
Long Island Coll. Hosp	1	0	0.00	0.12	0.00	(0.00, 100.0)	1	0.00
Freeman J	778	6	0.77	1.41	0.51	(0.18, 1.10)	565	0.78
LIJ Medical Center	12	0	0.00	2.16	0.00	(0.00, 13.10)	2	0.00
North Shore Univ Hosp	284	1	0.35	1.08	0.30	(0.00, 1.68)	238	0.43
South Nassau Comm.Hosp	482	5	1.04	1.58	0.61	(0.20, 1.41)	325	1.03
Friedman G H	549	5	0.91	0.94	0.90	(0.29, 2.09)	509	0.18
LIJ Medical Center	323	1	0.31	0.89	0.32	(0.00, 1.79)	298	0.00
NY Hospital - Queens	22	0	0.00	0.60	0.00	(0.00, 25.69)	21	0.00
North Shore Univ Hosp	111	3	2.70	0.89	2.81	(0.56, 8.20)	100	0.86
St. Francis Hospital	93	1	1.08	1.25	0.80	(0.01, 4.44)	90	0.00
Gambino A	606	4	0.66	0.84	0.72	(0.19, 1.85)	563	0.49
Huntington Hospital	2	0	0.00	1.08	0.00	(0.00, 100.0)	.	.
North Shore Univ Hosp	78	0	0.00	0.37	0.00	(0.00, 11.72)	77	0.00
St. Francis Hospital	32	1	3.13	0.71	4.05	(0.05, 22.52)	32	2.74
Winthrop Univ. Hosp	494	3	0.61	0.93	0.61	(0.12, 1.77)	454	0.38
Garratt K	752	4	0.53	0.70	0.70	(0.19, 1.80)	702	0.64
Jamaica Hosp Med Ctr	3	0	0.00	5.56	0.00	(0.00, 20.32)	.	.
Lenox Hill Hospital	749	4	0.53	0.68	0.73	(0.20, 1.86)	702	0.64
Geizhals M	310	2	0.65	0.67	0.88	(0.10, 3.19)	292	0.39
Lenox Hill Hospital	2	0	0.00	0.51	0.00	(0.00, 100.0)	2	0.00
NY Hospital - Queens	209	1	0.48	0.62	0.71	(0.01, 3.98)	194	0.00
NYP- Weill Cornell	99	1	1.01	0.79	1.18	(0.02, 6.54)	96	0.88
Gelormini J	527	5	0.95	1.13	0.78	(0.25, 1.81)	414	0.74
Mercy Hospital	386	5	1.30	1.20	1.00	(0.32, 2.33)	282	1.03
Millard Fillmore Hosp	141	0	0.00	0.93	0.00	(0.00, 2.58)	132	0.00
Giambartolomei A	458	8	1.75	1.18	1.37	(0.59, 2.70)	376	0.77
Champ.Valley Phys Hosp	8	0	0.00	2.25	0.00	(0.00, 18.87)	7	0.00
St. Josephs Hospital	450	8	1.78	1.16	1.42	(0.61, 2.79)	369	0.81
Goldman A Y	315	4	1.27	0.59	1.99	(0.53, 5.09)	305	0.40
Montefiore - Moses	285	4	1.40	0.63	2.07	(0.56, 5.30)	275	0.42
St. Lukes at St. Lukes	30	0	0.00	0.25	0.00	(0.00, 45.45)	30	0.00

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Goswami R	133	2	1.50	0.76	1.83	(0.21, 6.61)	118	0.68
North Shore Univ Hosp	31	0	0.00	0.69	0.00	(0.00, 15.89)	28	0.00
Univ.Hosp-Stony Brook	102	2	1.96	0.78	2.32	(0.26, 8.37)	90	0.87
Gotsis W	773	11	1.42	0.75	1.76	(0.88, 3.16)	672	1.76 *
Montefiore - Einstein	731	9	1.23	0.57	2.00	(0.91, 3.80)	672	1.76 *
Orange Regional Med Ctr	42	2	4.76	3.82	1.15	(0.13, 4.15)	.	.
Gowda R	1167	14	1.20	0.98	1.13	(0.62, 1.90)	1074	0.78
Beth Israel Med Ctr	1123	11	0.98	0.97	0.94	(0.47, 1.68)	1041	0.70
Long Island Coll. Hosp	44	3	6.82	1.33	4.73 *	(0.95, 13.81)	33	3.14
Green S	621	4	0.64	1.35	0.44	(0.12, 1.13)	495	0.37
LIJ Medical Center	20	0	0.00	2.94	0.00	(0.00, 5.77)	1	0.00
North Shore Univ Hosp	601	4	0.67	1.30	0.47	(0.13, 1.21)	494	0.37
Grella R	483	4	0.83	0.83	0.93	(0.25, 2.37)	420	0.95
Arnot Ogden Med Ctr	106	2	1.89	1.04	1.68	(0.19, 6.05)	78	3.31
St. Catherine of Siena	1	0	0.00	1.77	0.00	(0.00, 100.0)	.	.
Univ.Hosp-Stony Brook	376	2	0.53	0.76	0.64	(0.07, 2.33)	342	0.56
Grose R	349	3	0.86	0.72	1.10	(0.22, 3.22)	327	0.41
Montefiore - Moses	137	2	1.46	1.11	1.21	(0.14, 4.37)	116	0.00
NYP- Columbia Presby.	212	1	0.47	0.47	0.93	(0.01, 5.18)	211	0.63
Grunwald A	566	7	1.24	0.93	1.23	(0.49, 2.53)	522	1.14
LIJ Medical Center	425	3	0.71	1.00	0.65	(0.13, 1.91)	393	0.63
NY Hospital - Queens	24	0	0.00	0.70	0.00	(0.00, 20.29)	20	0.00
North Shore Univ Hosp	84	2	2.38	0.86	2.57	(0.29, 9.27)	79	1.96
St. Francis Hospital	33	2	6.06	0.45	12.35*	(1.39, 44.59)	30	10.11
Gupta R V	73	0	0.00	0.91	0.00	(0.00, 5.11)	71	0.00
LIJ Medical Center	38	0	0.00	1.21	0.00	(0.00, 7.40)	37	0.00
North Shore Univ Hosp	11	0	0.00	0.23	0.00	(0.00, 100.0)	11	0.00
Winthrop Univ. Hosp	24	0	0.00	0.75	0.00	(0.00, 18.77)	23	0.00
Gustafson G	681	5	0.73	0.74	0.91	(0.29, 2.13)	633	0.57
Lenox Hill Hospital	9	0	0.00	0.23	0.00	(0.00, 100.0)	9	0.00
NY Hospital - Queens	672	5	0.74	0.75	0.92	(0.30, 2.14)	624	0.58
Haq N	376	4	1.06	0.88	1.12	(0.30, 2.86)	319	0.65
Buffalo General Hosp	4	0	0.00	3.35	0.00	(0.00, 25.32)	.	.
Mercy Hospital	201	3	1.49	1.06	1.30	(0.26, 3.79)	169	0.53
Millard Fillmore Hosp	171	1	0.58	0.61	0.89	(0.01, 4.93)	150	0.86
Hasan C	149	1	0.67	0.41	1.51	(0.02, 8.39)	148	1.09
Mount Sinai Hospital	19	0	0.00	0.25	0.00	(0.00, 72.76)	19	0.00
SVCMC- St. Vincents	130	1	0.77	0.44	1.63	(0.02, 9.08)	129	1.18

Table 4 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Hogan R	627	11	1.75	0.90	1.80	(0.90, 3.22)	482	1.04
Albany Medical Center	143	0	0.00	0.36	0.00	(0.00, 6.58)	140	0.00
Ellis Hospital	72	0	0.00	0.64	0.00	(0.00, 7.34)	69	0.00
Glens Falls Hospital	412	11	2.67	1.13	2.17 *	(1.08, 3.89)	273	2.18
Hong M	423	6	1.42	1.27	1.03	(0.38, 2.25)	347	0.59
NYP- Weill Cornell	40	0	0.00	2.47	0.00	(0.00, 3.44)	35	0.00
St. Lukes at St. Lukes	383	6	1.57	1.14	1.27	(0.46, 2.76)	312	0.72
Hormozi S	482	3	0.62	1.00	0.58	(0.12, 1.68)	375	0.30
Good Sam - West Islip	72	2	2.78	1.72	1.49	(0.17, 5.38)	26	0.00
North Shore Univ Hosp	264	1	0.38	0.71	0.49	(0.01, 2.73)	259	0.37
Southside Hospital	97	0	0.00	1.05	0.00	(0.00, 3.33)	63	0.00
St. Catherine of Siena	22	0	0.00	2.19	0.00	(0.00, 7.03)	1	0.00
Winthrop Univ. Hosp	27	0	0.00	0.69	0.00	(0.00, 18.20)	26	0.00
Hoyek W	463	2	0.43	0.53	0.75	(0.08, 2.71)	451	0.58
NY Methodist Hospital	375	2	0.53	0.51	0.97	(0.11, 3.49)	372	0.66
Staten Island Univ Hosp	88	0	0.00	0.63	0.00	(0.00, 6.14)	79	0.00
Iskander A	638	13	2.04	1.50	1.25	(0.67, 2.14)	514	0.99
Crouse Hospital	1	0	0.00	2.98	0.00	(0.00, 100.0)	1	0.00
St. Josephs Hospital	637	13	2.04	1.50	1.26	(0.67, 2.15)	513	1.00
Jain S	395	10	2.53	1.05	2.23 *	(1.07, 4.10)	309	2.12 *
Jamaica Hosp Med Ctr	76	3	3.95	2.35	1.55	(0.31, 4.54)	.	.
Lenox Hill Hospital	319	7	2.19	0.74	2.73 *	(1.10, 5.63)	309	2.12 *
Jasty B	261	4	1.53	0.50	2.82	(0.76, 7.22)	260	2.06
NY Methodist Hospital	5	0	0.00	1.93	0.00	(0.00, 35.06)	5	0.00
Univ.Hosp-Brooklyn	256	4	1.56	0.47	3.05	(0.82, 7.80)	255	2.27
Jauhar R	1350	12	0.89	0.91	0.91	(0.47, 1.58)	1136	0.68
Huntington Hospital	1	0	0.00	2.09	0.00	(0.00, 100.0)	.	.
LIJ Medical Center	1313	12	0.91	0.88	0.96	(0.49, 1.67)	1135	0.68
North Shore Univ Hosp	36	0	0.00	1.78	0.00	(0.00, 5.29)	1	0.00
Jayasundera T	1073	2	0.19	0.44	0.39	(0.04, 1.41)	1052	0.31
Lenox Hill Hospital	436	1	0.23	0.43	0.49	(0.01, 2.73)	433	0.35
Mount Sinai Hospital	469	1	0.21	0.47	0.42	(0.01, 2.35)	459	0.35
NYU Hospitals Center	148	0	0.00	0.27	0.00	(0.00, 8.51)	148	0.00
Univ.Hosp-Brooklyn	20	0	0.00	1.30	0.00	(0.00, 13.03)	12	0.00
John S	274	6	2.19	0.76	2.66 *	(0.97, 5.80)	261	2.29 *
Brookdale Hosp Med Ctr	3	0	0.00	2.65	0.00	(0.00, 42.61)	.	.
NY Methodist Hospital	2	0	0.00	0.16	0.00	(0.00, 100.0)	2	0.00
Univ.Hosp-Brooklyn	269	6	2.23	0.74	2.77 *	(1.01, 6.03)	259	2.30 *
Johnson M	360	3	0.83	0.69	1.12	(0.22, 3.27)	339	0.64
Montefiore - Moses	226	3	1.33	0.81	1.51	(0.30, 4.42)	208	0.93
NYP- Columbia Presby.	134	0	0.00	0.48	0.00	(0.00, 5.23)	131	0.00

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Kamran M	881	2	0.23	0.83	0.25 **	(0.03, 0.92)	699	0.00
Elmhurst Hospital Ctr	626	2	0.32	0.95	0.31	(0.03, 1.12)	448	0.00
Mount Sinai Hospital	255	0	0.00	0.53	0.00	(0.00, 2.53)	251	0.00
Kantrowitz N	460	5	1.09	1.32	0.76	(0.24, 1.77)	360	0.61
Beth Israel Med Ctr	210	3	1.43	0.71	1.86	(0.37, 5.43)	208	1.05
Long Island Coll. Hosp	165	2	1.21	2.46	0.46	(0.05, 1.64)	67	0.00
Maimonides Medical Ctr	85	0	0.00	0.63	0.00	(0.00, 6.35)	85	0.00
Kaplan B	1529	8	0.52	0.93	0.52	(0.22, 1.03)	1363	0.45
LIJ Medical Center	1490	7	0.47	0.90	0.48	(0.19, 1.00)	1363	0.45
North Shore Univ Hosp	39	1	2.56	2.03	1.17	(0.02, 6.50)	.	.
Katz S	662	5	0.76	1.17	0.60	(0.19, 1.39)	550	0.36
LIJ Medical Center	24	0	0.00	1.96	0.00	(0.00, 7.22)	8	0.00
North Shore Univ Hosp	624	5	0.80	1.16	0.64	(0.21, 1.49)	528	0.38
Southside Hospital	14	0	0.00	0.20	0.00	(0.00, 100.0)	14	0.00
Kelberman M	572	5	0.87	0.84	0.96	(0.31, 2.25)	502	0.81
Faxton - St. Lukes	3	0	0.00	3.76	0.00	(0.00, 30.02)	.	.
St. Elizabeth Med Ctr	569	5	0.88	0.82	0.99	(0.32, 2.30)	502	0.81
Keller N	87	1	1.15	1.07	0.99	(0.01, 5.52)	62	0.00
Bellevue Hospital Ctr	77	0	0.00	0.78	0.00	(0.00, 5.65)	61	0.00
NYU Hospitals Center	10	1	10.00	3.32	2.79	(0.04, 15.50)	1	0.00
Kesanakurthy S	1097	6	0.55	0.63	0.80	(0.29, 1.74)	1085	0.48
Lenox Hill Hospital	396	1	0.25	0.52	0.45	(0.01, 2.50)	389	0.33
Long Island Coll. Hosp	1	0	0.00	2.11	0.00	(0.00, 100.0)	1	0.00
Mount Sinai Hospital	31	0	0.00	0.35	0.00	(0.00, 30.99)	31	0.00
NYP- Columbia Presby.	669	5	0.75	0.71	0.97	(0.31, 2.27)	664	0.56
Khan S	253	1	0.40	0.90	0.40	(0.01, 2.25)	238	0.34
St. Catherine of Siena	9	0	0.00	1.60	0.00	(0.00, 23.50)	.	.
Univ.Hosp-Stony Brook	244	1	0.41	0.88	0.43	(0.01, 2.40)	238	0.34
Kim M	1781	13	0.73	1.09	0.62	(0.33, 1.06)	1674	0.41
Elmhurst Hospital Ctr	25	1	4.00	2.31	1.60	(0.02, 8.91)	3	0.00
Mount Sinai Hospital	1756	12	0.68	1.07	0.59	(0.30, 1.03)	1671	0.41
Kodali S	341	5	1.47	1.40	0.97	(0.31, 2.25)	304	0.59
Arnot Ogden Med Ctr	5	1	20.00	4.53	4.08	(0.05, 22.70)	2	0.00
NYP- Columbia Presby.	336	4	1.19	1.36	0.81	(0.22, 2.08)	302	0.59
Koss J	560	4	0.71	0.88	0.75	(0.20, 1.92)	512	0.41
LIJ Medical Center	407	3	0.74	0.76	0.90	(0.18, 2.62)	384	0.57
NY Hospital - Queens	16	1	6.25	2.24	2.58	(0.03, 14.38)	11	0.00
North Shore Univ Hosp	83	0	0.00	0.75	0.00	(0.00, 5.44)	72	0.00
St. Francis Hospital	54	0	0.00	1.57	0.00	(0.00, 4.00)	45	0.00

Table 4 continued

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Kovar L	343	3	0.87	1.28	0.63	(0.13, 1.84)	258	0.72
Good Sam - Suffern	342	3	0.88	1.28	0.63	(0.13, 1.84)	257	0.72
NYP- Columbia Presby.	1	0	0.00	0.12	0.00	(0.00, 100.0)	1	0.00
Krishnan P	639	6	0.94	0.95	0.91	(0.33, 1.98)	590	0.64
Elmhurst Hospital Ctr	17	1	5.88	3.08	1.76	(0.02, 9.82)	.	.
Mount Sinai Hospital	622	5	0.80	0.90	0.83	(0.27, 1.93)	590	0.64
Kufs W	143	0	0.00	0.62	0.00	(0.00, 3.84)	138	0.00
Ellis Hospital	117	0	0.00	0.60	0.00	(0.00, 4.80)	113	0.00
St. Peters Hospital	26	0	0.00	0.68	0.00	(0.00, 19.14)	25	0.00
Kwan T	917	1	0.11	0.28	0.36	(0.00, 2.01)	912	0.29
Beth Israel Med Ctr	684	1	0.15	0.28	0.49	(0.01, 2.71)	680	0.39
NYU Hospitals Center	18	0	0.00	0.21	0.00	(0.00, 87.88)	18	0.00
SVCMC- St. Vincents	215	0	0.00	0.29	0.00	(0.00, 5.49)	214	0.00
Laifer L	186	1	0.54	0.80	0.62	(0.01, 3.45)	137	0.00
Arnot Ogden Med Ctr	166	1	0.60	0.86	0.65	(0.01, 3.62)	117	0.00
NYP- Columbia Presby.	20	0	0.00	0.33	0.00	(0.00, 50.73)	20	0.00
Langiulli M	252	7	2.78	1.23	2.09	(0.84, 4.31)	196	2.44 *
North Shore Univ Hosp	23	1	4.35	1.02	3.96	(0.05, 22.01)	20	3.25
Westchester Med Ctr	229	6	2.62	1.25	1.94	(0.71, 4.23)	176	2.29
Lasic Z	605	5	0.83	0.92	0.83	(0.27, 1.94)	493	0.46
Jamaica Hosp Med Ctr	89	1	1.12	2.06	0.51	(0.01, 2.81)	.	.
Lenox Hill Hospital	516	4	0.78	0.72	0.99	(0.27, 2.54)	493	0.46
Lederman S	347	3	0.86	0.72	1.11	(0.22, 3.23)	327	0.88
North Shore Univ Hosp	114	0	0.00	0.64	0.00	(0.00, 4.66)	110	0.00
Univ.Hosp-Stony Brook	223	3	1.35	0.76	1.64	(0.33, 4.79)	208	1.26
Winthrop Univ. Hosp	10	0	0.00	0.88	0.00	(0.00, 38.32)	9	0.00
Lee A	673	9	1.34	1.37	0.91	(0.41, 1.72)	520	0.56
LIJ Medical Center	20	0	0.00	2.73	0.00	(0.00, 6.22)	2	0.00
North Shore Univ Hosp	653	9	1.38	1.32	0.96	(0.44, 1.83)	518	0.57
Lee J	189	1	0.53	0.35	1.38	(0.02, 7.67)	188	1.02
Mount Sinai Hospital	187	1	0.53	0.35	1.39	(0.02, 7.75)	186	1.03
SVCMC- St. Vincents	2	0	0.00	0.36	0.00	(0.00, 100.0)	2	0.00
Lee P C	223	2	0.90	0.34	2.45	(0.28, 8.84)	223	1.72
Beth Israel Med Ctr	13	0	0.00	0.18	0.00	(0.00, 100.0)	13	0.00
Mount Sinai Hospital	210	2	0.95	0.35	2.53	(0.28, 9.12)	210	1.78
Lee P J	828	5	0.60	0.69	0.81	(0.26, 1.89)	739	0.21
Good Sam - West Islip	111	3	2.70	1.56	1.60	(0.32, 4.67)	57	0.00
LIJ Medical Center	4	0	0.00	0.37	0.00	(0.00, 100.0)	4	0.00
North Shore Univ Hosp	382	1	0.26	0.62	0.39	(0.01, 2.18)	375	0.35
Southside Hospital	271	1	0.37	0.50	0.69	(0.01, 3.83)	243	0.00
St. Francis Hospital	57	0	0.00	0.41	0.00	(0.00, 14.40)	57	0.00
Winthrop Univ. Hosp	3	0	0.00	0.86	0.00	(0.00, 100.0)	3	0.00

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Ling F	626	7	1.12	1.06	0.98	(0.39, 2.02)	483	0.40
Strong Memorial Hosp	592	6	1.01	1.10	0.85	(0.31, 1.86)	452	0.41
Unity Hospital	34	1	2.94	0.33	8.28	(0.11, 46.06)	31	0.00
Lituchy A	563	5	0.89	0.95	0.87	(0.28, 2.02)	511	0.46
South Nassau Comm.Hosp	27	1	3.70	1.73	1.98	(0.03, 11.00)	9	0.00
St. Francis Hospital	536	4	0.75	0.91	0.76	(0.20, 1.95)	502	0.47
MacIsaac H	834	7	0.84	1.21	0.64	(0.26, 1.33)	719	0.53
Faxton - St. Lukes	4	1	25.00	10.18	2.27	(0.03, 12.63)	.	.
St. Elizabeth Med Ctr	830	6	0.72	1.16	0.57	(0.21, 1.25)	719	0.53
Macina A	101	1	0.99	1.99	0.46	(0.01, 2.55)	46	0.00
Albany Medical Center	97	1	1.03	2.00	0.48	(0.01, 2.65)	46	0.00
St. Peters Hospital	4	0	0.00	1.81	0.00	(0.00, 46.76)	.	.
Madrid A	237	1	0.42	0.80	0.49	(0.01, 2.71)	194	0.62
St. Catherine of Siena	7	0	0.00	1.40	0.00	(0.00, 34.57)	.	.
St. Francis Hospital	230	1	0.43	0.78	0.51	(0.01, 2.85)	194	0.62
Marchant D	376	3	0.80	1.49	0.50	(0.10, 1.45)	276	0.73
LIJ Medical Center	26	0	0.00	2.90	0.00	(0.00, 4.50)	2	0.00
North Shore Univ Hosp	350	3	0.86	1.38	0.57	(0.12, 1.68)	274	0.75
Masud A	769	5	0.65	0.74	0.81	(0.26, 1.90)	713	0.30
Buffalo General Hosp	244	1	0.41	0.57	0.66	(0.01, 3.68)	228	0.00
Millard Fillmore Hosp	525	4	0.76	0.82	0.86	(0.23, 2.21)	485	0.40
Mathew T C	735	8	1.09	1.05	0.96	(0.41, 1.88)	640	0.59
Faxton - St. Lukes	22	2	9.09	2.68	3.13	(0.35, 11.32)	.	.
St. Elizabeth Med Ctr	713	6	0.84	1.00	0.78	(0.28, 1.69)	640	0.59
McNulty P	296	6	2.03	1.14	1.64	(0.60, 3.56)	241	0.00
Arnot Ogden Med Ctr	16	0	0.00	0.66	0.00	(0.00, 32.29)	14	0.00
M I Bassett Hospital	280	6	2.14	1.17	1.69	(0.62, 3.68)	227	0.00
Meltser H	408	10	2.45	1.93	1.17	(0.56, 2.16)	300	0.21
Mercy Hospital	405	10	2.47	1.94	1.17	(0.56, 2.16)	297	0.22
Millard Fillmore Hosp	3	0	0.00	0.61	0.00	(0.00, 100.0)	3	0.00
Menegus M	791	9	1.14	1.22	0.86	(0.39, 1.63)	609	0.59
Montefiore - Moses	790	9	1.14	1.22	0.86	(0.39, 1.64)	609	0.59
Orange Regional Med Ctr	1	0	0.00	6.00	0.00	(0.00, 56.53)	.	.
Menzies D	454	4	0.88	0.79	1.04	(0.28, 2.65)	378	0.85
Arnot Ogden Med Ctr	9	0	0.00	0.50	0.00	(0.00, 74.98)	8	0.00
M I Bassett Hospital	445	4	0.90	0.79	1.05	(0.28, 2.69)	370	0.87
Messinger D	210	2	0.95	1.01	0.87	(0.10, 3.15)	201	0.42
NYP- Weill Cornell	184	2	1.09	1.08	0.93	(0.10, 3.35)	175	0.47
Westchester Med Ctr	26	0	0.00	0.50	0.00	(0.00, 26.28)	26	0.00

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Minadeo J	336	5	1.49	1.59	0.86	(0.28, 2.02)	280	0.81
South Nassau Comm.Hosp	13	0	0.00	6.41	0.00	(0.00, 4.07)	.	.
St. Francis Hospital	323	5	1.55	1.40	1.02	(0.33, 2.39)	280	0.81
Morris W	964	5	0.52	0.91	0.53	(0.17, 1.23)	872	0.42
Buffalo General Hosp	705	3	0.43	0.85	0.46	(0.09, 1.36)	658	0.39
Mercy Hospital	256	1	0.39	1.03	0.35	(0.00, 1.95)	214	0.61
Millard Fillmore Hosp	3	1	33.33	4.94	6.23	(0.08, 34.68)	.	.
Moussa I	581	9	1.55	1.35	1.06	(0.49, 2.02)	529	0.75
NYP- Columbia Presby.	414	3	0.72	0.92	0.73	(0.15, 2.13)	392	0.68
NYP- Weill Cornell	167	6	3.59	2.41	1.38	(0.50, 3.00)	137	0.90
Musso J	30	0	0.00	0.67	0.00	(0.00, 16.77)	29	0.00
LIJ Medical Center	3	0	0.00	0.95	0.00	(0.00, 100.0)	2	0.00
North Shore Univ Hosp	27	0	0.00	0.64	0.00	(0.00, 19.54)	27	0.00
Naidu S	464	8	1.72	1.06	1.50	(0.65, 2.96)	382	1.00
NYP- Weill Cornell	155	4	2.58	1.24	1.93	(0.52, 4.94)	137	1.51
Winthrop Univ. Hosp	309	4	1.29	0.97	1.23	(0.33, 3.15)	245	0.67
Narins C	800	13	1.63	1.05	1.43	(0.76, 2.45)	632	1.38 *
Strong Memorial Hosp	775	13	1.68	1.07	1.45	(0.77, 2.48)	608	1.41 *
Unity Hospital	25	0	0.00	0.43	0.00	(0.00, 31.35)	24	0.00
Nassif R	453	6	1.32	0.96	1.27	(0.46, 2.76)	400	0.88
Faxton - St. Lukes	4	0	0.00	4.52	0.00	(0.00, 18.74)	.	.
St. Elizabeth Med Ctr	449	6	1.34	0.93	1.32	(0.48, 2.88)	400	0.88
Ong L S	2558	17	0.66	0.72	0.85	(0.50, 1.36)	2398	0.66
Rochester General Hosp	2553	17	0.67	0.72	0.85	(0.50, 1.37)	2397	0.66
Unity Hospital	5	0	0.00	1.30	0.00	(0.00, 52.28)	1	0.00
Ong L Y	805	3	0.37	0.89	0.39	(0.08, 1.13)	702	0.50
LIJ Medical Center	22	0	0.00	4.13	0.00	(0.00, 3.73)	2	0.00
North Shore Univ Hosp	783	3	0.38	0.80	0.44	(0.09, 1.29)	700	0.50
Padmanabhan V	156	1	0.64	0.47	1.25	(0.02, 6.96)	152	0.00
NYP- Weill Cornell	16	0	0.00	0.58	0.00	(0.00, 36.42)	16	0.00
North Shore Univ Hosp	140	1	0.71	0.46	1.43	(0.02, 7.96)	136	0.00
Palkhiwala S	400	2	0.50	0.58	0.80	(0.09, 2.90)	400	0.54
Lenox Hill Hospital	103	0	0.00	0.29	0.00	(0.00, 11.35)	103	0.00
Mount Sinai Hospital	297	2	0.67	0.68	0.92	(0.10, 3.33)	297	0.62
Palta S	162	1	0.62	0.59	0.96	(0.01, 5.35)	159	0.69
NY Methodist Hospital	119	0	0.00	0.58	0.00	(0.00, 4.90)	119	0.00
SVMC- St. Vincents	36	1	2.78	0.31	8.30	(0.11, 46.18)	36	5.01
Univ.Hosp-Brooklyn	7	0	0.00	2.26	0.00	(0.00, 21.46)	4	0.00

Table 4 continued

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Papadakos S	985	10	1.02	1.00	0.94	(0.45, 1.73)	874	0.58
Lenox Hill Hospital	50	1	2.00	0.58	3.19	(0.04, 17.78)	49	2.40
NY Hospital - Queens	934	9	0.96	1.02	0.87	(0.40, 1.65)	824	0.48
St. Francis Hospital	1	0	0.00	0.09	0.00	(0.00, 100.0)	1	0.00
Papaleo R	403	4	0.99	0.55	1.67	(0.45, 4.28)	355	0.00
Albany Medical Center	368	3	0.82	0.55	1.37	(0.28, 4.00)	332	0.00
Glens Falls Hospital	5	1	20.00	1.65	11.18	(0.15, 62.20)	.	.
St. Peters Hospital	30	0	0.00	0.36	0.00	(0.00, 31.73)	23	0.00
Papandrea L	257	6	2.33	0.82	2.63 *	(0.96, 5.72)	210	3.00 *
Albany Medical Center	32	1	3.13	1.69	1.71	(0.02, 9.49)	12	5.85
St. Peters Hospital	225	5	2.22	0.70	2.95 *	(0.95, 6.88)	198	2.68 *
Parikh M	1171	6	0.51	0.65	0.73	(0.27, 1.60)	1119	0.53
Jamaica Hosp Med Ctr	5	0	0.00	2.03	0.00	(0.00, 33.33)	.	.
Lenox Hill Hospital	527	5	0.95	0.58	1.51	(0.49, 3.53)	515	0.96
NYP- Weill Cornell	639	1	0.16	0.69	0.21	(0.00, 1.17)	604	0.19
Park C	724	11	1.52	1.39	1.01	(0.50, 1.81)	554	0.81
LIJ Medical Center	604	10	1.66	1.33	1.15	(0.55, 2.12)	493	0.86
NY Hospital - Queens	74	0	0.00	0.54	0.00	(0.00, 8.44)	56	0.00
North Shore Univ Hosp	46	1	2.17	3.53	0.57	(0.01, 3.17)	5	0.00
Park J	273	0	0.00	0.47	0.00	(0.00, 2.66)	253	0.00
NY Hospital - Queens	15	0	0.00	0.42	0.00	(0.00, 53.76)	12	0.00
North Shore Univ Hosp	90	0	0.00	0.30	0.00	(0.00, 12.70)	90	0.00
Winthrop Univ. Hosp	168	0	0.00	0.56	0.00	(0.00, 3.59)	151	0.00
Patcha R	330	2	0.61	0.79	0.71	(0.08, 2.55)	286	0.44
Huntington Hospital	38	0	0.00	2.28	0.00	(0.00, 3.92)	.	.
North Shore Univ Hosp	292	2	0.68	0.60	1.06	(0.12, 3.81)	286	0.44
Patel A	435	4	0.92	0.94	0.91	(0.24, 2.32)	359	0.52
Faxton - St. Lukes	3	0	0.00	1.57	0.00	(0.00, 71.91)	.	.
St. Elizabeth Med Ctr	432	4	0.93	0.93	0.92	(0.25, 2.35)	359	0.52
Patel R B	616	1	0.16	0.81	0.18	(0.00, 1.03)	476	0.00
Good Sam - West Islip	75	1	1.33	1.76	0.70	(0.01, 3.90)	31	0.00
North Shore Univ Hosp	189	0	0.00	0.44	0.00	(0.00, 4.05)	185	0.00
Southside Hospital	307	0	0.00	0.58	0.00	(0.00, 1.89)	259	0.00
St. Catherine of Siena	44	0	0.00	2.37	0.00	(0.00, 3.25)	.	.
Winthrop Univ. Hosp	1	0	0.00	0.43	0.00	(0.00, 100.0)	1	0.00
Patel T	1312	19	1.45	1.31	1.02	(0.61, 1.60)	1125	0.64
Rochester General Hosp	742	9	1.21	1.04	1.08	(0.49, 2.05)	724	0.71
Unity Hospital	570	10	1.75	1.66	0.98	(0.47, 1.79)	401	0.35
Pena Sing I	815	12	1.47	1.09	1.24	(0.64, 2.17)	739	0.64
Bellevue Hospital Ctr	663	11	1.66	1.12	1.37	(0.69, 2.46)	603	0.71
NYU Hospitals Center	152	1	0.66	1.00	0.61	(0.01, 3.39)	136	0.00

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Perry-Bottinger L	73	1	1.37	0.38	3.35	(0.04, 18.65)	72	2.34
NY Hospital - Queens	8	0	0.00	0.36	0.00	(0.00, 100.0)	8	0.00
NYP- Columbia Presby.	65	1	1.54	0.38	3.74	(0.05, 20.83)	64	2.59
Petrossian G	1395	12	0.86	1.02	0.78	(0.40, 1.36)	1323	0.56
South Nassau Comm.Hosp	53	2	3.77	1.18	2.95	(0.33, 10.65)	50	2.97
St. Francis Hospital	1342	10	0.75	1.02	0.68	(0.32, 1.24)	1273	0.46
Phadke K	1067	8	0.75	0.98	0.71	(0.31, 1.40)	921	0.67
Buffalo General Hosp	17	0	0.00	2.70	0.00	(0.00, 7.39)	3	0.00
Erie County Med Ctr	21	0	0.00	3.83	0.00	(0.00, 4.22)	14	0.00
Millard Fillmore Hosp	1029	8	0.78	0.89	0.81	(0.35, 1.59)	904	0.71
Polin N	149	3	2.01	1.79	1.04	(0.21, 3.04)	104	0.55
NYP- Weill Cornell	114	3	2.63	2.17	1.12	(0.23, 3.28)	79	0.60
Staten Island Univ Hosp	35	0	0.00	0.57	0.00	(0.00, 17.01)	25	0.00
Puma A	553	2	0.36	0.53	0.63	(0.07, 2.28)	532	0.50
Jamaica Hosp Med Ctr	7	0	0.00	1.47	0.00	(0.00, 32.91)	.	.
Lenox Hill Hospital	546	2	0.37	0.52	0.66	(0.07, 2.37)	532	0.50
Rehman A	820	3	0.37	1.07	0.32	(0.06, 0.93)	723	0.21
North Shore Univ Hosp	12	0	0.00	2.02	0.00	(0.00, 13.96)	12	0.00
South Nassau Comm.Hosp	18	0	0.00	1.82	0.00	(0.00, 10.33)	4	0.00
St. Francis Hospital	790	3	0.38	1.03	0.34	(0.07, 0.99)	707	0.22
Reich D	829	5	0.60	0.66	0.85	(0.27, 1.98)	728	0.74
Good Sam - West Islip	164	0	0.00	0.81	0.00	(0.00, 2.55)	108	0.00
LIJ Medical Center	60	0	0.00	0.72	0.00	(0.00, 7.80)	60	0.00
North Shore Univ Hosp	309	1	0.32	0.55	0.54	(0.01, 3.02)	305	0.38
Southside Hospital	252	4	1.59	0.72	2.04	(0.55, 5.21)	212	2.21
St. Francis Hospital	44	0	0.00	0.39	0.00	(0.00, 19.99)	43	0.00
Reimers C	1226	9	0.73	0.70	0.97	(0.44, 1.84)	1176	0.46
Jamaica Hosp Med Ctr	2	0	0.00	1.09	0.00	(0.00, 100.0)	.	.
Lenox Hill Hospital	1224	9	0.74	0.70	0.97	(0.44, 1.85)	1176	0.46
Rentrop K	47	0	0.00	0.18	0.00	(0.00, 39.49)	47	0.00
Beth Israel Med Ctr	18	0	0.00	0.17	0.00	(0.00, 100.0)	18	0.00
NYU Hospitals Center	6	0	0.00	0.27	0.00	(0.00, 100.0)	6	0.00
SVMC- St. Vincents	23	0	0.00	0.17	0.00	(0.00, 86.86)	23	0.00
Rosenband M	543	2	0.37	1.03	0.33	(0.04, 1.19)	513	0.31
North Shore Univ Hosp	53	0	0.00	0.45	0.00	(0.00, 14.26)	52	0.00
St. Catherine of Siena	14	0	0.00	1.86	0.00	(0.00, 13.03)	1	0.00
Univ.Hosp-Stony Brook	476	2	0.42	1.07	0.36	(0.04, 1.31)	460	0.33
Rouvelas P	173	1	0.58	0.62	0.86	(0.01, 4.79)	172	0.57
NY Methodist Hospital	125	1	0.80	0.63	1.17	(0.02, 6.49)	125	0.79
Staten Island Univ Hosp	48	0	0.00	0.58	0.00	(0.00, 12.11)	47	0.00

Table 4 continued

	All Cases						Non-Emergency	
	Cases	Deaths	OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Rutkin B	206	3	1.46	1.37	0.98	(0.20, 2.87)	143	0.74
LIJ Medical Center	8	0	0.00	1.82	0.00	(0.00, 23.33)	1	0.00
North Shore Univ Hosp	198	3	1.52	1.35	1.04	(0.21, 3.02)	142	0.75
Sassower M	566	6	1.06	1.00	0.98	(0.36, 2.13)	508	0.52
Faxton - St. Lukes	2	0	0.00	1.46	0.00	(0.00, 100.0)	.	.
North Shore Univ Hosp	17	0	0.00	0.28	0.00	(0.00, 70.36)	17	0.00
St. Elizabeth Med Ctr	157	3	1.91	1.34	1.32	(0.27, 3.86)	138	0.53
Winthrop Univ. Hosp	390	3	0.77	0.89	0.80	(0.16, 2.33)	353	0.52
Schwartz R	997	7	0.70	0.72	0.90	(0.36, 1.86)	926	0.47
Huntington Hospital	7	0	0.00	1.93	0.00	(0.00, 25.09)	.	.
North Shore Univ Hosp	160	0	0.00	0.58	0.00	(0.00, 3.64)	159	0.00
St. Francis Hospital	12	0	0.00	1.86	0.00	(0.00, 15.18)	12	0.00
Winthrop Univ. Hosp	818	7	0.86	0.72	1.10	(0.44, 2.26)	755	0.58
Sehhat K	140	2	1.43	0.68	1.95	(0.22, 7.05)	128	1.52
Montefiore - Moses	50	0	0.00	0.92	0.00	(0.00, 7.36)	44	0.00
SVCMC- St. Vincents	90	2	2.22	0.54	3.81	(0.43, 13.74)	84	2.81
Shaknovich A	331	0	0.00	0.56	0.00	(0.00, 1.82)	329	0.00
Beth Israel Med Ctr	21	0	0.00	0.29	0.00	(0.00, 55.21)	21	0.00
NY Methodist Hospital	310	0	0.00	0.58	0.00	(0.00, 1.88)	308	0.00
Shani J	918	3	0.33	0.96	0.31 **	(0.06, 0.92)	896	0.25
Maimonides Medical Ctr	917	3	0.33	0.96	0.31 **	(0.06, 0.92)	895	0.25
NYU Hospitals Center	1	0	0.00	0.14	0.00	(0.00, 100.0)	1	0.00
Sherman W	293	1	0.34	0.94	0.33	(0.00, 1.86)	262	0.36
NY Methodist Hospital	12	0	0.00	0.30	0.00	(0.00, 93.41)	12	0.00
NYP- Columbia Presby.	281	1	0.36	0.97	0.34	(0.00, 1.88)	250	0.37
Silverman G	508	3	0.59	0.98	0.55	(0.11, 1.62)	383	0.76
Montefiore - Einstein	468	3	0.64	0.80	0.74	(0.15, 2.16)	383	0.76
Orange Regional Med Ctr	40	0	0.00	3.13	0.00	(0.00, 2.71)	.	.
Simons A	797	5	0.63	0.90	0.64	(0.21, 1.50)	668	0.47
Crouse Hospital	1	0	0.00	1.11	0.00	(0.00, 100.0)	.	.
St. Josephs Hospital	796	5	0.63	0.90	0.65	(0.21, 1.51)	668	0.47
Singh V	1021	3	0.29	0.51	0.53	(0.11, 1.55)	1000	0.46
NYP- Columbia Presby.	1015	3	0.30	0.51	0.53	(0.11, 1.56)	995	0.46
St. Lukes at St. Lukes	6	0	0.00	0.58	0.00	(0.00, 98.15)	5	0.00
Slater J	383	5	1.31	0.82	1.48	(0.48, 3.45)	343	0.61
Bellevue Hospital Ctr	83	2	2.41	1.31	1.69	(0.19, 6.12)	67	1.09
NYU Hospitals Center	256	2	0.78	0.57	1.26	(0.14, 4.54)	233	0.00
St. Lukes at St. Lukes	44	1	2.27	1.29	1.63	(0.02, 9.09)	43	1.41

Table 4 continued

	Cases	Deaths	OMR	All Cases			Non-Emergency	
				EMR	RAMR	95% CI for RAMR	Cases	RAMR
Soffer D	472	2	0.42	0.58	0.68	(0.08, 2.45)	436	0.63
Jamaica Hosp Med Ctr	14	0	0.00	1.48	0.00	(0.00, 16.40)	.	.
Lenox Hill Hospital	458	2	0.44	0.55	0.73	(0.08, 2.65)	436	0.63
Sokol S	274	5	1.82	0.84	2.01	(0.65, 4.70)	241	1.08
Montefiore - Einstein	273	5	1.83	0.84	2.01	(0.65, 4.70)	240	1.09
Montefiore - Moses	1	0	0.00	0.22	0.00	(0.00, 100.0)	1	0.00
Srinivas V	577	8	1.39	0.84	1.52	(0.66, 3.00)	506	0.90
Montefiore - Einstein	576	8	1.39	0.84	1.52	(0.66, 3.00)	505	0.90
Montefiore - Moses	1	0	0.00	0.65	0.00	(0.00, 100.0)	1	0.00
Srivastava S	130	3	2.31	0.60	3.54	(0.71, 10.35)	117	4.12 *
Long Island Coll. Hosp	3	0	0.00	2.77	0.00	(0.00, 40.81)	1	0.00
SVMC- St. Vincents	127	3	2.36	0.55	3.96	(0.80, 11.58)	116	4.14 *
Staniloae C	412	7	1.70	0.54	2.91 *	(1.17, 6.00)	358	1.90
NYU Hospitals Center	1	0	0.00	0.09	0.00	(0.00, 100.0)	1	0.00
SVMC- St. Vincents	411	7	1.70	0.54	2.91 *	(1.17, 6.00)	357	1.91
Stathopoulos I	78	4	5.13	2.98	1.59	(0.43, 4.07)	58	1.39
Jamaica Hosp Med Ctr	2	0	0.00	8.88	0.00	(0.00, 19.09)	.	.
Lenox Hill Hospital	19	0	0.00	0.29	0.00	(0.00, 60.94)	19	0.00
NY Hospital - Queens	57	4	7.02	3.67	1.77	(0.47, 4.52)	39	1.60
Strizik B	505	9	1.78	1.10	1.50	(0.68, 2.84)	417	1.27
Huntington Hospital	64	3	4.69	2.55	1.70	(0.34, 4.97)	.	.
LIJ Medical Center	53	0	0.00	1.51	0.00	(0.00, 4.23)	47	0.00
North Shore Univ Hosp	388	6	1.55	0.80	1.78	(0.65, 3.87)	370	1.52
Stuver T	959	14	1.46	1.02	1.33	(0.72, 2.22)	760	0.90
Rochester General Hosp	957	14	1.46	1.00	1.35	(0.74, 2.26)	760	0.90
Unity Hospital	2	0	0.00	8.57	0.00	(0.00, 19.77)	.	.
Suleman J	1156	15	1.30	0.91	1.32	(0.74, 2.17)	1116	0.84
Jamaica Hosp Med Ctr	9	3	33.33	2.47	12.45 *	(2.50, 36.38)	.	.
LIJ Medical Center	30	0	0.00	0.74	0.00	(0.00, 15.35)	27	0.00
Mount Sinai Hospital	1117	12	1.07	0.90	1.10	(0.57, 1.92)	1089	0.86
Sullivan P	113	3	2.65	0.78	3.16	(0.64, 9.24)	98	1.25
Buffalo General Hosp	111	3	2.70	0.75	3.33	(0.67, 9.72)	96	1.33
Millard Fillmore Hosp	2	0	0.00	2.18	0.00	(0.00, 77.64)	2	0.00
Tai Z	167	4	2.40	0.54	4.08 *	(1.10, 10.45)	160	2.96
NY Methodist Hospital	103	1	0.97	0.50	1.81	(0.02, 10.05)	101	1.49
SVMC- St. Vincents	64	3	4.69	0.62	7.04 *	(1.41, 20.56)	59	5.85 *
Tsiamtsiouris T	505	5	0.99	1.07	0.85	(0.27, 1.99)	456	0.17
St. Catherine of Siena	8	0	0.00	2.16	0.00	(0.00, 19.62)	.	.
St. Francis Hospital	497	5	1.01	1.06	0.88	(0.28, 2.05)	456	0.17

Table 4 continued

	Cases	Deaths	All Cases				Non-Emergency	
			OMR	EMR	RAMR	95% CI for RAMR	Cases	RAMR
Varma P	452	8	1.77	0.99	1.65	(0.71, 3.25)	383	1.60 *
Faxton - St. Lukes	4	0	0.00	1.64	0.00	(0.00, 51.69)	.	.
St. Elizabeth Med Ctr	448	8	1.79	0.99	1.67	(0.72, 3.30)	383	1.60 *
Vidyarathi V	84	0	0.00	0.38	0.00	(0.00, 10.60)	84	0.00
NY Methodist Hospital	9	0	0.00	0.98	0.00	(0.00, 38.34)	9	0.00
SVMC- St. Vincents	75	0	0.00	0.31	0.00	(0.00, 14.65)	75	0.00
Wachsman D	140	0	0.00	0.82	0.00	(0.00, 2.95)	130	0.00
North Shore Univ Hosp	132	0	0.00	0.86	0.00	(0.00, 2.98)	122	0.00
St. Francis Hospital	8	0	0.00	0.11	0.00	(0.00, 100.0)	8	0.00
Weinberger J	18	0	0.00	0.36	0.00	(0.00, 52.53)	18	0.00
Mount Sinai Hospital	2	0	0.00	0.35	0.00	(0.00, 100.0)	2	0.00
NYP- Columbia Presby.	13	0	0.00	0.36	0.00	(0.00, 71.82)	13	0.00
NYU Hospitals Center	3	0	0.00	0.34	0.00	(0.00, 100.0)	3	0.00
Wilentz J	240	2	0.83	0.63	1.23	(0.14, 4.44)	233	0.54
Jamaica Hosp Med Ctr	3	0	0.00	1.41	0.00	(0.00, 80.35)	.	.
Lenox Hill Hospital	233	2	0.86	0.62	1.28	(0.14, 4.63)	229	0.55
St. Lukes at St. Lukes	4	0	0.00	0.49	0.00	(0.00, 100.0)	4	0.00
Witkes D	354	3	0.85	0.55	1.41	(0.28, 4.12)	340	1.06
North Shore Univ Hosp	178	2	1.12	0.61	1.71	(0.19, 6.18)	175	1.23
Winthrop Univ. Hosp	176	1	0.57	0.50	1.05	(0.01, 5.82)	165	0.82
Yang Y	452	0	0.00	0.60	0.00	(0.00, 1.25)	416	0.00
Jamaica Hosp Med Ctr	7	0	0.00	1.52	0.00	(0.00, 31.85)	.	.
Lenox Hill Hospital	445	0	0.00	0.59	0.00	(0.00, 1.30)	416	0.00
Yatskar L	347	1	0.29	0.65	0.41	(0.01, 2.28)	317	0.00
Bellevue Hospital Ctr	264	1	0.38	0.65	0.54	(0.01, 2.99)	247	0.00
Elmhurst Hospital Ctr	7	0	0.00	1.79	0.00	(0.00, 27.09)	.	.
NYU Hospitals Center	76	0	0.00	0.54	0.00	(0.00, 8.25)	70	0.00
Zisfein J	465	5	1.08	1.20	0.83	(0.27, 1.93)	398	0.40
North Shore Univ Hosp	58	1	1.72	0.86	1.86	(0.02, 10.36)	55	1.46
South Nassau Comm.Hosp	291	4	1.37	1.47	0.86	(0.23, 2.21)	231	0.31
St. Francis Hospital	116	0	0.00	0.69	0.00	(0.00, 4.25)	112	0.00

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

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

Criteria Used in Reporting Significant Risk Factors (2008) Based on Documentation in Medical Record

Patient Risk Factor	Definitions
Hemodynamic State	
• Unstable	Determined just prior to the intervention.
• Shock	Patient requires pharmacologic or mechanical support to maintain blood pressure or cardiac output.
	Acute hypotension (systolic blood pressure < 80 mmHg) or low cardiac index (< 2.0 liters/min/m ²), despite pharmacologic or mechanical support. All cases with this risk factor are excluded from this report.
Comorbidities	
• Congestive Heart Failure (CHF), Current	Within 2 weeks prior to the procedure, a physician has diagnosed CHF by one of the following: <ul style="list-style-type: none"> • Paroxysmal nocturnal dyspnea (PND); • Dyspnea on exertion (DOE) due to heart failure; or • Chest X-Ray showing pulmonary congestion.
• 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.
• Renal Failure, Creatinine	Highest Pre-PCI creatinine during the hospital admission was within the indicated range.
• Renal Failure, Dialysis	The patient is on chronic peritoneal or hemodialysis.
Ventricular Function	
• Previous MI	Most recent myocardial infarction (MI) occurred in the specified time period before the intervention.
• ST Elevation	EKG finding of a rise in the S-T interval of >1 mm in two or more contiguous leads.
• Ejection Fraction	Value of the ejection fraction taken closest to the procedure. When a calculated measure is unavailable the ejection fraction should be estimated visually from the ventriculogram or by echocardiography. Intraoperative direct observation of the heart is not an adequate basis for a visual estimate of the ejection fraction.
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.

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.

The average number of bypass grafts created during coronary artery bypass graft surgery is three or four. Generally, all significantly blocked arteries are bypassed unless they enter areas of the heart that are permanently damaged by previous heart attacks. Five or more bypasses are occasionally created. Multiple bypasses are often performed to provide several alternate routes for the blood flow and to improve the long-term success of the procedure, not necessarily because the patient’s condition is more severe.

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 ultrasound 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

2008 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 2008 are presented in the table that follows.

Roughly speaking, the odds ratio for a risk factor represents the number of times a patient with that risk factor is more likely to die in the hospital during or after PCI or after hospital discharge but within 30 days of the PCI than a patient without the risk factor, all other risk factors being the same. For example, the odds ratio for the risk factor “CHF, Current” is 1.847. This means that a patient with CHF in the past two weeks is approximately 1.847 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, Current who has the same other significant risk factors. The risk factors Unstable, COPD and Malignant Ventricular Arrhythmia are interpreted in the same way.

With regard to age, the odds ratio roughly represents the number of times a patient who is over age 55 is more likely to die in the hospital or after discharge but within 30 days than another patient who is one year younger, all other significant risk factors being the same. Thus, a patient undergoing PCI who is 68 years old has approximately 1.055 times the chance of dying in the hospital or within 30 days than a 67 year-old patient has, all other risk factors being the same. All patients aged 55 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.

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 four ranges (less than 20 percent, 20 percent to 29 percent, 30 percent to 39 percent and 40 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 40 percent or more. Thus, a PCI patient with an ejection fraction of less than 20 percent is about 3.582 times as likely to die in the hospital or within 30 days as a patient with an ejection fraction of 40 percent or higher, all other significant risk factors being the same.

Previous MI is subdivided into seven ranges (with ST Elevation present, occurring less than twelve hours prior, twelve to twenty-three hours prior; without ST Elevation, less than six hours prior, six to twenty-three hours prior; with or without ST Elevation, one to seven days prior, eight to twenty days prior and no MI within twenty 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 twenty days prior to PCI.

Renal failure is subdivided into five groups. Three categories represent patients with various levels of elevated creatinine, but no dialysis. The fourth category includes patients with renal failure on dialysis. All groups are relative to patients who are not on dialysis and had no pre-PCI creatinine values greater than 1.1 mg/dL.

Three vessels diseased refers to patients with at least a 70 percent blockage in three 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.

Left Main Disease refers to patients with a blockage of at least 50 percent in their Left Main Coronary Artery. This group is compared to patients who do not have a blockage of at least 50 percent in their Left Main Coronary Artery.

Appendix 1 Multivariate Risk-Factor Equation for In-Hospital/30 Day Deaths During or Following PCI, 2008 (All Cases)

Patient Risk Factor	Prevalence (%)	Logistic Regression		
		Coefficient	P-Value	Odds Ratio
Demographic				
Age: number of years > 55	---	0.0537	<.0001	1.055
Hemodynamic State				
Unstable	0.44	2.1129	<.0001	8.272
Ventricular Function				
Ejection Fraction				
Ejection Fraction 40% or greater	88.97	---Reference---		1.000
Ejection Fraction less than 20 %	0.81	1.2760	<.0001	3.582
Ejection Fraction 20-29 %	3.46	0.9310	<.0001	2.537
Ejection Fraction 30-39 %	6.77	0.4659	0.0005	1.593
Pre-Procedural MI				
No MI within 20 days	74.22	---Reference---		1.000
MI with ST Elevation:				
MI < 12 hours	9.15	2.1499	<.0001	8.584
MI 12-23 hours	1.04	2.0925	<.0001	8.105
MI without ST Elevation				
MI < 6 hours	0.57	1.7430	<.0001	5.715
MI 6-23 hours	2.04	1.1030	0.0002	3.013
MI with or without ST Elevation				
MI 1-7 days	11.57	1.1328	<.0001	3.104
MI 8-20 days	1.41	0.9382	0.0003	2.555
Comorbidities				
CHF, Current	5.44	0.6136	<.0001	1.847
COPD	6.40	0.9363	<.0001	2.550
Malignant Ventricular Arrhythmia	0.61	1.1034	<.0001	3.014
Renal Failure				
No Renal Failure	68.42	---Reference---		1.000
Renal Failure, Creatinine 1.2-1.5 mg/dl	21.71	0.2556	0.0265	1.291
Renal Failure, Creatinine 1.6-2.5 mg/dl	6.81	0.7747	<.0001	2.170
Renal Failure, Creatinine > 2.5 mg/dl	0.92	0.8790	0.0022	2.408
Renal Failure, Requiring Dialysis	2.15	1.8751	<.0001	6.521
Vessels Diseased				
Three Vessels Diseased	13.72	0.4196	<.0001	1.521
Left Main Disease	3.87	0.3601	0.0341	1.433
Intercept = -6.9437				
C Statistic = 0.859				

Appendix 2

2008 Risk Factors For In-Hospital/30-Day Mortality For Non-Emergency PCI

Appendix 2 contains the significant pre-procedural risk factors for 2008 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 variables for Age, CHF, Current, COPD and Three Vessels Diseased are interpreted in the same manner as they were in Appendix 1. Renal Failure is similar to Appendix 1, but in this case, all groups are relative to patients who are not on dialysis and who had no pre-PCI creatinine values greater than

1.5 mg/dL. The interpretation of Ejection Fraction is also similar to that previously described. In this case, the reference category is patients with an ejection fraction of 50 percent or greater.

Body Mass Index is a relationship of weight to height. A person with a Body Mass Index of <40 (morbidly obese) is 2.029 times more likely to die in the hospital or after discharge but within 30 days than a patient with a Body Mass Index \geq 40.

In this model, there are only three categories for Previous MI (one to seven days prior to PCI, eight to twenty days prior and no MI within twenty days prior to the procedure). The odds ratio for the Previous MI ranges are relative to patients who have not had an MI within twenty days prior to PCI.

Appendix 2 Multivariate Risk-Factor Equation for In-Hospital/ 30-Day Deaths During or Following PCI , 2008 (Non-Emergency Cases)

Patient Risk Factor	Prevalence (%)	Logistic Regression		
		Coefficient	P-Value	Odds Ratio
Demographic				
Age: Number of Years > 65	---	0.0710	<.0001	1.074
Body Mass Index > 40 (morbidly obese)	5.80	0.7073	0.0018	2.029
Ventricular Function				
Ejection Fraction				
Ejection Fraction 50% or greater	77.21	---Reference---		1.000
Ejection Fraction less than 20%	0.74	1.0717	0.0033	2.920
Ejection Fraction 20-29%	3.14	1.0059	<.0001	2.734
Ejection Fraction 30-39%	5.70	0.7036	0.0002	2.021
Ejection Fraction 40-49%	13.21	0.4162	0.0094	1.516
Pre-Procedural MI				
No MI within 20 days	85.15	---Reference---		1.000
MI 1-7 days	13.23	1.0814	<.0001	2.949
MI 8 – 20 days	1.62	0.9398	0.0003	2.559
Comorbidities				
CHF, Current	5.51	0.6099	<.0001	1.840
COPD	6.71	0.9419	<.0001	2.565
Renal Failure				
No Renal Failure	89.74	---Reference---		1.000
Renal Failure, Creatinine 1.6– 3.0 mg/dl	7.42	0.8160	<.0001	2.261
Renal Failure, Creatinine > 3.0 mg/dl	0.48	1.2393	0.0045	3.453
Renal Failure, requiring dialysis	2.36	1.8492	<.0001	6.355
Vessels Diseased				
Three Vessels Diseased	13.59	0.3104	0.0279	1.364
Intercept = -6.6685				
C Statistic = 0.831				

Appendix 3

2006-2008 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 2006-2008 time period are presented in the table that follows. The interpretation of this table is similar to the interpretation of Appendices 1 and 2 that are described previously. All variables except Female Gender, Cerebrovascular Disease, Diabetes Requiring Medication, Peripheral Vascular Disease, Number of Vessels Diseased and Sum of Risk Factors Squared are interpreted in the same manner as previously described.

Female Gender, Cerebrovascular Disease, Diabetes Requiring Medication and Peripheral Vascular Disease are interpreted in the same manner as CHF, Current in Appendix 1. Number of vessels diseased is comprised of three categories for Appendix 3 (fewer than two vessels diseased, two vessels diseased and three vessels diseased). Two and three vessels diseased refers to patients with at least a 70 percent blockage in two or three 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, respectively. The reference category for this group includes patients who have fewer than two vessels diseased.

The Sum of Risk Factors Squared term is merely the square of the number of risk factors in Appendix 3 that a patient has (not counting age), and is used to improve the ability of the model to predict mortality.

Appendix 3 Multivariate Risk-Factor Equation for In-Hospital / 30-Day Deaths During or Following PCI in New York State, 2006-2008 (All Cases)

Patient Risk Factor	Prevalence (%)	Logistic Regression		
		Coefficient	P-Value	Odds Ratio
Demographic				
Age: Number of years > 60	---	0.0568	<.0001	1.058
Body Mass Index > 40 (morbidly obese)	5.43	0.5751	<.0001	1.777
Female Gender	31.99	0.5451	<.0001	1.725
Hemodynamic State				
Unstable	0.45	1.9284	<.0001	6.879
Ventricular Function				
Ejection Fraction				
Ejection Fraction 50% or more	73.94	---Reference---		1.000
Ejection Fraction less than 20 %	0.80	1.4461	<.0001	4.246
Ejection Fraction 20-29 %	3.37	1.0305	<.0001	2.802
Ejection Fraction 30-39 %	7.03	0.7995	<.0001	2.224
Ejection Fraction 40-49 %	14.86	0.3510	0.0001	1.420
Pre-Procedural MI				
No Previous MI	55.96	---Reference---		1.000
MI with ST Elevation:				
MI < 12 hours	8.43	2.3073	<.0001	10.047
MI 12-23 hours	1.13	1.9652	<.0001	7.136
MI without ST Elevation				
MI < 6 hours	0.52	2.0342	<.0001	7.646
MI 6-23 hours	1.92	1.3566	<.0001	3.883
MI With or Without ST Elevation				
MI 1-7 days	11.50	1.3216	<.0001	3.749
MI 8 – 20 days	1.42	1.2239	<.0001	3.401
MI ≥ 21 days	19.12	0.3180	0.0029	1.374
Comorbidities				
Cerebrovascular Disease	7.80	0.4918	<.0001	1.635
COPD	6.28	0.8725	<.0001	2.393
CHF, Current	5.23	0.8535	<.0001	2.348
Diabetes, requiring medication	32.88	0.3419	<.0001	1.408
Malignant Ventricular Arrhythmia	0.53	1.4336	<.0001	4.194
Peripheral Vascular Disease	7.13	0.5734	<.0001	1.774
Renal Failure				
No Renal Failure	67.14	---Reference---		1.000
Renal Failure, Creatinine 1.2 - 1.5 mg/dl	22.92	0.4276	<.0001	1.534
Renal Failure, Creatinine 1.6 – 2.5 mg/dl	6.98	0.9264	<.0001	2.526
Renal Failure, Creatinine > 2.5 mg/dl	0.90	1.2595	<.0001	3.524
Renal Failure, Requiring Dialysis	2.06	1.6577	<.0001	5.247
Vessels Diseased				
Number of Vessels Diseased				
Fewer than Two Vessels Diseased	55.14	---Reference---		1.000
Two Vessels Diseased	31.27	0.3869	<.0001	1.472
Three Vessels Diseased	13.59	0.6210	<.0001	1.861
Left Main Disease	3.76	0.5790	<.0001	1.784
Sum of Risk Factors Squared				
Intercept =		-0.0225	0.0008	0.978
C Statistic =	0.851			

Appendix 4

2006-2008 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 2006-2008 time period are presented in the Appendix 4 table below. The interpretation for this appendix is similar to the interpretation of Appendices 1-3 described previously.

Appendix 4 Multivariate Risk-Factor Equation for In-Hospital / 30-Day Deaths During or Following PCI in New York State, 2006-2008 (Non-Emergency Cases)

Patient Risk Factor	Prevalence (%)	Logistic Regression		
		Coefficient	P-Value	Odds Ratio
Demographic				
Age: Number of years > 65	---	0.0584	<.0001	1.060
Body Mass Index > 40 (morbidly obese)	5.54	0.6070	0.0002	1.835
Female Gender	32.66	0.5723	<.0001	1.772
Ventricular Function				
Ejection Fraction				
Ejection Fraction 50% or more	77.11	---Reference---		1.000
Ejection Fraction less than 20 %	0.74	1.3537	<.0001	3.872
Ejection Fraction 20-29 %	3.01	1.2176	<.0001	3.379
Ejection Fraction 30-39 %	5.98	1.1158	<.0001	3.052
Ejection Fraction 40-49 %	13.16	0.7213	<.0001	2.057
Pre-Procedural MI				
No Previous MI	63.62	---Reference---		1.000
MI 1-7 days	13.03	1.3256	<.0001	3.765
MI 8 – 20 days	1.61	1.2563	<.0001	3.512
MI ≥ 21 days	21.74	0.3202	0.0048	1.377
Comorbidities				
Cerebrovascular Disease	8.21	0.6494	<.0001	1.914
COPD	6.52	1.0173	<.0001	2.766
CHF, Current	5.28	0.8802	<.0001	2.411
Malignant Ventricular Arrhythmia	0.37	1.4797	<.0001	4.391
Peripheral Vascular Disease	7.54	0.6948	<.0001	2.003
Renal Failure				
No Renal Failure	66.86	---Reference---		1.000
Renal Failure, Creatinine 1.2 - 1.5 mg/dl	22.84	0.3766	0.0006	1.457
Renal Failure, Creatinine 1.6 – 2.5 mg/dl	7.13	0.8560	<.0001	2.354
Renal Failure, Creatinine > 2.5 mg/dl	0.92	1.1895	<.0001	3.285
Renal Failure, Requiring Dialysis	2.25	1.6300	<.0001	5.104
Vessels Diseased				
Number of Vessels Diseased				
Fewer than Two Vessels Diseased	55.18	---Reference---		1.000
Two Vessels Diseased	31.30	0.3921	0.0001	1.480
Three Vessels Diseased	13.52	0.5870	<.0001	1.799
Left Main Disease	3.92	0.6216	<.0001	1.862
Sum of Risk Factors Squared	---	-0.0321	0.0006	0.968
Intercept = -7.1914				
C Statistic = 0.822				

Appendix 5

2006-2008 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 2006-2008 time period are presented in the Appendix 5 table below. The interpretation of this table is similar to the interpretation of Appendices 1-4.

Appendix 5 Multivariate Risk-Factor Equation for In-Hospital / 30-Day Deaths During or Following PCI in New York State 2006-2008 (Emergency Cases)

Patient Risk Factor	Prevalence (%)	Logistic Regression		
		Coefficient	P-Value	Odds Ratio
Demographic				
Age: Number of years > 55	---	0.0567	<.0001	1.058
Body Mass Index > 40 (morbidly obese)	4.63	0.7751	0.0016	2.171
Female Gender	27.17	0.8079	<.0001	2.243
Hemodynamic State				
Unstable	3.74	1.9312	<.0001	6.898
Ventricular Function				
Ejection Fraction				
Ejection Fraction 40% or more	78.10	---Reference---		1.000
Ejection Fraction less than 20 %	1.25	1.7755	<.0001	5.903
Ejection Fraction 20-29 %	5.98	1.0676	<.0001	2.908
Ejection Fraction 30-39 %	14.67	0.6884	<.0001	1.991
Pre-Procedural MI				
No STEMI within 24 hrs or Non-STEMI within 6 hrs	16.71	---Reference---		1.000
MI with ST Elevation:				
MI < 12 hours	69.67	1.2760	<.0001	3.582
MI 12-23 hours	9.30	0.9269	<.0001	2.527
MI without ST Elevation				
MI < 6 hours	4.32	0.9808	0.0006	2.667
Comorbidities				
COPD	4.52	0.8617	<.0001	2.367
CHF, Current	4.88	1.1443	<.0001	3.140
Diabetes, requiring medication	19.62	0.6949	<.0001	2.004
Malignant Ventricular Arrhythmia	1.74	1.6616	<.0001	5.268
Renal Failure				
No Renal Failure	69.22	---Reference---		1.000
Renal Failure, Creatinine 1.2 - 1.5 mg/dl	23.47	0.7568	<.0001	2.132
Renal Failure, Creatinine 1.6 - 2.5 mg/dl	5.90	1.3274	<.0001	3.771
Renal Failure, Creatinine > 2.5 mg/dl	0.75	1.6001	<.0001	4.953
Renal Failure, Requiring Dialysis	0.66	2.0268	<.0001	7.590
Vessels Diseased				
Number of Vessels Diseased				
Fewer than Two Vessels Diseased	54.83	---Reference---		1.000
Two Vessels Diseased	31.07	0.5812	0.0003	1.788
Three Vessels Diseased	14.10	0.9007	<.0001	2.461
Left Main Disease	2.57	0.8825	0.0002	2.417
Sum of Risk Factors Squared	---	-0.0457	0.0071	0.955
Intercept =	-6.7256			
C Statistic =	0.840			

NEW YORK STATE PERCUTANEOUS CORONARY INTERVENTION CENTERS

Albany Medical Center Hospital New Scotland Avenue Albany, New York 12208	Good Samaritan Hospital Medical Center* 1000 Montauk Highway West Islip, New York 11795	New York Hospital Medical Center-Queens 56-45 Main Street Flushing, New York 11355	Stony Brook University Medical Center Stony Brook, New York 11794- 8410
Arnot Ogden Medical Center 600 Roe Avenue Elmira, New York 14905	Huntington Hospital* 270 Park Ave. Huntington, New York 11743	North Shore University Hospital 300 Community Drive Manhasset, New York 11030	Strong Memorial Hospital 601 Elmwood Avenue Rochester, New York 14642
Bellevue Hospital Center First Avenue and 27th Street New York, New York 10016	Jamaica Hospital Medical Center* 89th Avenue and Van Wyck Expressway Jamaica, New York 11418	Orange Regional Medical Center (Middletown Campus)* 60 Prospect Avenue Middletown, New York 10940	United Health Services Wilson Hospital Division 33-57 Harrison Street Johnson City, New York 13790
Beth Israel Medical Center 10 Nathan D. Perlman Place New York, New York 10003	Lenox Hill Hospital 100 East 77th Street New York, New York 10021	Rochester General Hospital 1425 Portland Avenue Rochester, New York 14621	Unity Hospital of Rochester* 1555 Long Pond Road Rochester, New York 14626
Bronx-Lebanon Hospital Center @ Concourse Division* 1650 Grand Concourse Bronx, New York 10456	Long Island College Hospital* 340 Henry Street Brooklyn, New York 11201	South Nassau Communities Hospital* One Healthy Way Oceanside, New York 11572	University Hospital of Brooklyn 450 Lenox Road Brooklyn, New York 11203
Brookdale Hospital Medical Center* Linden Boulevard @ Brookdale Plaza Brooklyn, New York 11212	Lutheran Medical Center* †† 150 55th Street Brooklyn, New York 11220	Southside Hospital* 301 East Main Street Bayshore, New York 11706	University Hospital-Upstate Medical University 750 East Adams Street Syracuse, New York 13210
Buffalo General Hospital 100 High Street Buffalo, New York 14203	Long Island Jewish Medical Center 270-05 76th Avenue New Hyde Park, New York 11040	St. Catherine of Siena Hospital* 50 Route 25A Smithtown, New York 11787	Vassar Brothers Hospital 45 Reade Place Poughkeepsie, New York 12601
Champlain Valley Physicians Hospital Medical Center 75 Beekman Street Plattsburgh, New York 12901	Mary Imogene Bassett Healthcare Atwell Road Cooperstown, New York 13326	St. Elizabeth Medical Center 2209 Genesee Street Utica, New York 13413	Weill-Cornell Medical Center – NY Presbyterian 525 East 68th Street New York, New York 10021
Columbia Presbyterian Medical Center – NY Presbyterian 161 Fort Washington Avenue New York, New York 10032	Maimonides Medical Center 4802 Tenth Avenue Brooklyn, New York 11219	St. Francis Hospital Port Washington Boulevard Roslyn, New York 11576	Westchester Medical Center Grasslands Road Valhalla, New York 10595
Crouse Hospital 736 Irving Avenue Syracuse, New York 13210	Mercy Hospital 565 Abbott Rd Buffalo, New York 14220	St. Joseph's Hospital Health Center 301 Prospect Avenue Syracuse, New York 13203	White Plains Hospital Center*†† 41 East Post Road White Plains, NY 10601
Ellis Hospital 1101 Nott Street Schenectady, New York 12308	Millard Fillmore Hospital 3 Gates Circle Buffalo, New York 14209	St. Luke's Cornwall Hospital/ Newburgh* 70 Dubois Street Newburgh, New York 12550	Winthrop University Hospital 259 First Street Mineola, New York 11501
Elmhurst Hospital Center* 79-01 Broadway Elmhurst, New York 11373	Montefiore Medical Center Henry & Lucy Moses Division 111 East 210th Street Bronx, New York 11219	St. Luke's Roosevelt Hospital Center 11-11 Amsterdam Avenue at 114th Street New York, New York 10025	
Erie County Medical Center 462 Grider Street Buffalo, New York 14215	Montefiore Medical Center- Weiler Hospital of A Einstein College 1825 Eastchester Road Bronx, New York 10461	St. Peter's Hospital 315 South Manning Boulevard Albany, New York 12208	
Faxton-St. Luke's Healthcare (St. Luke's Division)* Box 479 Utica, New York 13503	Mount Sinai Medical Center One Gustave L. Levy Place New York, New York 10019	SVCMC - St. Vincent's Manhattan** 153 West 11th Street New York, New York 10011	
Glens Falls Hospital* 100 Park Street Glens Falls, New York 12801	NYU Hospitals Center 550 First Avenue New York, New York 10016	Staten Island University Hospital 475 Seaview Avenue Staten Island, New York 10305	
Good Samaritan Hospital of Suffern 255 Lafayette Avenue Suffern, New York 10901	New York Methodist Hospital 506 Sixth St. Brooklyn, New York 11215		

* Hospital performs PCI without cardiac surgery on-site.

** Hospital closed in 2010

†† Hospital started PCI after 2008

*Additional copies of this report may be obtained through the
Department of Health web site at <http://www.nyhealth.gov>
or by writing to:*

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



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