

SPARCS Present on Admission Reporting

2012-
2014

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Hospital Present on Admission (POA) Indicator Testing

Background

The purpose of this report is to provide a summary of reporting on the Present on Admission (POA) coding on inpatient discharges through the New York State Statewide Planning and Research Cooperative System (SPARCS) by Article 28 hospitals for the time period 2012 through 2014.

This report was developed by the New York State Department of Health's Bureau of Health Informatics within the Office of Quality and Patient Safety. The Department of Health (DOH) used 3M™ developed programming to assess the reporting and validity of POA coding reported to SPARCS by Article 28 hospital facilities.

The POA code indicates if onset of the diagnosis preceded or followed admission to the hospital. The table below provides detail on currently collected SPARCS facility input and data file output POA codes and values. Please refer to page 153 of the SPARCS Output Data Dictionary at the following direct link: <http://www.health.ny.gov/statistics/sparcs/sysdoc/inpatientoutputdd.pdf> for an explanation of the translation of input to output POA codes.

SPARCS		
Input POA Code	Output POA Code	Indicator Value Description
Y	1	Yes - Present at Inpatient Admission
N	2	No - Not Present at Inpatient Admission
W	3	Clinically Undetermined
U	9	Unknown
1 or Blank	X	Exempt from POA reporting

This report summarizes those findings for the three year period 2012 through 2014.

The intent of this report is to alert facilities about potential problems with their POA reporting and to provide feedback for researchers and policy makers. Although a facility may not have met a given criteria, this does not necessarily mean that there is a reporting issue with POA. There could be legitimate reasons why a facility does not meet a criteria.

Assessment Criteria

There are five (5) assessment criteria:

#	Assessment Criteria Description
1.	Pre-existing Diagnosis Codes Specified as Not POA
2.	Percent Uncertain on Indicator for Secondary Diagnosis
3.	Large Number of Secondary Diagnoses with POA
4.	Small Number of Secondary Diagnoses with POA
5.	For Elective Surgical Patients, Surgical Diagnoses marked as POA

Each of these criteria identifies hospitals that maybe having potential problems reporting the POA by either a 'Red Zone' or 'Grey Zone' hit.

A **Red Zone** hit indicates a potentially significant problem with POA reporting under those criteria, whereas a **Grey Zone** hit is a potentially moderate problem.

If a hospital has either one (1) **Red Zone** or two (2) **Grey Zone** hits among the five (5) criteria, that hospital is deemed as having a potential problem(s) reporting POA.

Table 1: Comparison Present on Admission (POA) Criteria

Assessment Criteria	Red Zone	Grey Zone	Denominator	Numerator
Criteria 1: Pre-existing Diagnosis Codes Specified as Not POA	% Not POA for Pre-existing diagnoses >=7.5%	5%<= for Pre-existing diagnoses <7.5%	All pre-existing diagnoses at the hospital (from 3M defined list of 7,875 diagnosis codes).	Number of pre-existing diagnoses at the hospital that are not POA (indicator value '2 = No - Not Present at Inpatient Admission')
Criteria 2: Percent Uncertain on Indicator for Secondary Diagnosis	% POA Uncertain >=10%	5%<= % POA Uncertain <10%	All remaining secondary diagnoses after excluding exempt (from 3M defined list of 1,703 diagnosis codes) and pre-existing diagnoses at the hospital.	Number of remaining diagnoses at the hospital with indicator value of '9 = Unknown' or '3 = Clinically Undetermined'
Criteria 3: Large Number of Secondary Diagnoses with POA	% Present on Admission >=96%	93%<= Present on Admission <96%	All remaining secondary diagnoses after excluding exempt, pre-existing and perinatal secondary diagnosis codes (perinatal codes = 760xx – 779xx) at the hospital.	Number of remaining diagnoses at the hospital with indicator value '1 = Yes – Present at Inpatient Admission'
Criteria 4: Small Number of Secondary Diagnoses with POA	%Present on Admission <=70%	70%< Present on Admission <=77%	All remaining secondary diagnoses after excluding exempt, pre-existing and perinatal secondary diagnosis codes (perinatal codes = 760xx– 779xx) at the hospital.	Number of remaining diagnoses at the hospital with indicator value '1 = Yes – Present at Inpatient Admission'
Criteria 5: For Elective Surgical Patients, Surgical Diagnoses marked as POA	% Present on Admission >=40%	30%<= Present on Admission <40%	All selected secondary surgical diagnoses from the hospital (see Footnote Table 3).	The number of selected secondary diagnoses with the indicator value '1 = Yes – Present at Inpatient Admission'

Hospitals in This Study

For the time period of this study, there were 225 hospitals in New York State that reported inpatient data during 2012 through 2014. The Center for Medicare and Medicaid Services (CMS) provision “Hospital Acquired Conditions and Present on Admission Indicator Reporting (HAC & POA) only applies to Inpatient Prospective Payment System (IPPS) hospitals, therefore the following hospitals are exempt from the POA indicator requirement:

- Critical Access Hospitals
- Long Term Care Hospitals
- Cancer Hospitals
- Children’s Inpatient Facilities
- Inpatient Psychiatric Hospitals
- Inpatient Rehabilitation Facilities

Applying this criteria reduced the number of New York State hospitals in our study to 196. Table 4 lists the 29 New York State hospitals that were removed from this study based on the CMS HAC-POA criteria.

Findings

Of the 196 hospitals meeting the criteria for this study, 13 hospitals did not meet the POA criteria in the last 1, 2, or 3 years thereby identified as potentially having a POA reporting issue.

- Three (3) hospitals were identified for all three (3) years (2012 – 2014)
 1. Cobleskill Regional Hospital
 2. Hospital for Special Surgery¹
 3. NYU Hospital for Joint Diseases¹
- Two (2) hospitals were identified for the last two (2) years (2013 - 2014)
 1. NY Eye and Ear Infirmary
 2. Westfield Memorial Hospital Inc
- In addition, there were eight (8) hospitals that were identified for the last year (2014)
 1. Corning Hospital
 2. Degraff Memorial Hospital
 3. New York Community Hospital of Brooklyn, Inc
 4. New York Presbyterian Hospital - Westchester Division
 5. Oswego Hospital
 6. Seton Health System-St Mary's Campus
 7. St James Mercy Hospital - Mercycare
 8. Westchester Medical Center

Criteria Summary		#	%
1 Year	Last (1) year not meeting 3M POA Criteria (1, 2, 3 or 4 , 5); Grey zone twice or Red zone once	8	4.08%
2 Years	Last two (2) years of not meeting 3M POA Criteria (1, 2, 3 or 4 , 5); Grey zone twice or Red zone once	2	1.02%
3 Years	Three (3) years of not meeting 3M POA Criteria (1, 2, 3 or 4 , 5); Grey zone twice or Red zone once	3	1.53%
Total		13	6.63%

¹ The case mix of patients at this facility may influence reporting results.

Table 2: Hospital Specific Performance on Present on Admission Reporting, 2012-2014. List of New York State Hospitals Which Did Not Meet 3M POA Criteria (1, 2, 3 or 4, 5)

Number of years	Facility Name	2012	2013	2014
	Adirondack Medical Center-Saranac Lake Site			
	Albany Medical Center - South Clinical Campus			
	Albany Medical Center Hospital			
	Albany Memorial Hospital			
	Alice Hyde Medical Center			
	Arnot Ogden Medical Center			
	Auburn Community Hospital			
	Aurelia Osborn Fox Memorial Hospital			
	Bellevue Hospital Center			
	Benedictine Hospital (HealthAlliance Hospital Mary's Avenue Campus)			
	Bertrand Chaffee Hospital			
	Beth Israel Med Center-Kings Hwy Div			
	Beth Israel Medical Center/Petrie Campus			
	Bon Secours Community Hospital			
	Bronx-Lebanon Hospital Center - Concourse Division			
	Bronx-Lebanon Hospital Center - Fulton Division			
	Brookdale Hospital Medical Center			
	Brookhaven Memorial Hospital Medical Center Inc			
	Brooklyn Hospital Center - Downtown Campus			
	Brooks Memorial Hospital			
	Buffalo General Medical Center			
	Canton-Potsdam Hospital			
	Catskill Regional Medical Center			
	Cayuga Medical Center at Ithaca			
	Champlain Valley Physicians Hospital Medical Center			
	Chenango Memorial Hospital Inc			
	Claxton-Hepburn Medical Center	*		
	Clifton Springs Hospital and Clinic			
3 Years	Cobleskill Regional Hospital	*	*	*
	Columbia Memorial Hospital			
	Coney Island Hospital			
1 Year	Corning Hospital			*
	Cortland Regional Medical Center Inc			
	Crouse Hospital			
	Crouse Hospital - Commonwealth Division			
1 Year	Degraff Memorial Hospital			*
	Eastern Long Island Hospital		*	
	Eastern Niagara Hospital - Lockport Division			

Number of years	Facility Name	2012	2013	2014
	Eastern Niagara Hospital - Newfane Division			
	Ellis Hospital			
	Elmhurst Hospital Center			
	Erie County Medical Center			
	F F Thompson Hospital			
	Faxton-St Lukes Healthcare Faxton Division			
	Faxton-St Lukes Healthcare St Lukes Division			
	Flushing Hospital Medical Center			
	Forest Hills Hospital			
	Franklin Hospital			
	Geneva General Hospital			
	Glen Cove Hospital			
	Glens Falls Hospital			
	Good Samaritan Hospital Medical Center			
	Good Samaritan Hospital of Suffern			
	Harlem Hospital Center			
	Highland Hospital			
3 Years	Hospital for Special Surgery ²	*	*	*
	Hudson Valley Hospital Center			
	Huntington Hospital			
	Institute of Rehab Medicine NYU Medical Center			
	Interfaith Medical Center			
	Ira Davenport Memorial Hospital Inc			
	Jacobi Medical Center			
	Jamaica Hospital Medical Center			
	John T Mather Memorial Hospital of Port Jefferson New York Inc			
	Kenmore Mercy Hospital			
	Kings County Hospital Center			
	Kingsbrook Jewish Medical Center			
	Kingston Hospital (HealthAlliance Hospital Broadway Campus)			
	Lakeside Memorial Hospital			
	Lawrence Hospital Center			
	Lenox Hill Hospital			
	Lincoln Medical & Mental Health Center			
	Long Beach Medical Center	*		
	Long Island Jewish Medical Center			
	Long Island Jewish Schneiders Children's Hospital Division			
	Lutheran Medical Center			
	Maimonides Medical Center			

² The case mix of patients at this facility may influence reporting results.

Number of years	Facility Name	2012	2013	2014
	Mary Imogene Bassett Hospital			
	Massena Memorial Hospital			
	Memorial Hosp of Wm F & Gertrude F Jones A/K/A Jones Memorial Hosp			
	Mercy Hospital			
	Mercy Medical Center			
	Metropolitan Hospital Center			
	Millard Fillmore Hospital			
	Millard Fillmore Suburban Hospital			
	Montefiore Med Center - Jack D Weiler Hosp of A Einstein College Div			
	Montefiore Medical Center - Henry & Lucy Moses Div			
	Montefiore Medical Center - North Division			
	Mount Sinai Hospital			
	Mount Sinai Hospital - Mount Sinai Hospital of Queens			
	Mount St Marys Hospital and Health Center			
	Mount Vernon Hospital			
2 Years	NY Eye and Ear Infirmary		*	*
3 Years	NYU Hospital for Joint Diseases ³	*	*	*
	NYU Hospitals Center			
	Nassau University Medical Center			
	Nathan Littauer Hospital			
1 Year	New York Community Hospital of Brooklyn, Inc			*
	New York Downtown Hospital			
	New York Hospital Medical Center of Queens			
	New York Methodist Hospital			
	New York Presbyterian Hospital - Allen Hospital	*	*	
	New York Presbyterian Hospital - Columbia Presbyterian Center			
	New York Presbyterian Hospital - New York Weill Cornell Center			
1 Year	New York Presbyterian Hospital - Westchester Division			*
	New York Westchester Square Medical Center			
	Newark-Wayne Community Hospital			
	Niagara Falls Memorial Medical Center		*	
	Nicholas H Noyes Memorial Hospital			
	North Central Bronx Hospital			
	North General Hospital			
	North Shore University Hospital			
	Northern Dutchess Hospital			
	Northern Westchester Hospital			
	Nyack Hospital			
	Olean General Hospital			

³ The case mix of patients at this facility may influence reporting results.

Number of years	Facility Name	2012	2013	2014
	Oneida Healthcare Center			
	Orange Regional Medical Center			
1 Year	Oswego Hospital			*
	Oswego Hospital - Alvin L Krakau Comm Mtl Health Center Div			
	Our Lady of Lourdes Memorial Hospital Inc			
	Peconic Bay Medical Center			
	Peninsula Hospital Center			
	Phelps Memorial Hospital Assn			
	Plainview Hospital			
	Putnam Hospital Center			
	Queens Hospital Center			
	RUMC-Bayley Seton	*		
	Richmond University Medical Center	*		
	Rochester General Hospital			
	Rockefeller University Hospital			
	Rome Memorial Hospital, Inc			
	SJRH - Dobbs Ferry Pavilion	*		
	SJRH - Park Care Pavilion			
	SJRH - St Johns Division			
	SUNY Downstate Medical Center at LICH			
	Samaritan Hospital			
	Samaritan Medical Center			
	Saratoga Hospital			
1 Year	Seton Health System-St Mary's Campus			*
	Sheehan Memorial Hospital			
	Sisters of Charity Hospital			
	Sisters of Charity Hospital - St Joseph Campus			
	Sound Shore Medical Center of Westchester			
	South Nassau Communities Hospital			
	Southampton Hospital			
	Southside Hospital			
	St Anthony Community Hospital			
	St Barnabas Hospital			
	St Catherine of Siena Hospital			
	St Charles Hospital			
	St Elizabeth Medical Center			
	St Francis Hospital			
	St James Mercy Hospital			
1 Year	St James Mercy Hospital - Mercycare	*		*
	St Johns Episcopal Hospital So Shore			
	St Joseph's Medical Center			

Number of years	Facility Name	2012	2013	2014
	St Josephs Hospital			
	St Josephs Hospital Health Center			
	St Luke's Cornwall Hospital/Cornwall			
	St Lukes Roosevelt Hospital - St Lukes Hospital Division			
	St Lukes Roosevelt Hospital Center - Roosevelt Hospital Division			
	St Peters Hospital			
	St. Joseph Hospital			
	St. Mary's Healthcare	*		
	St. Mary's Healthcare - Amsterdam Memorial Campus			
	St. Mary's Hospital			
	Staten Island University Hosp-North			
	Staten Island University Hosp-South			
	Strong Memorial Hospital			
	Sunnyview Hospital and Rehabilitation Center	*		
	Syosset Hospital			
	TLC Health Network Lake Shore Hospital			
	TLC Health Network Tri-County Memorial Hospital			
	The Unity Hospital of Rochester			
	The Unity Hospital of Rochester-St Marys Campus			
	Upstate University Hospital at Community General			
	United Health Services Hospitals Inc. - Binghamton General Hospital			
	United Health Services Hospitals Inc. - Wilson Medical Center			
	United Memorial Medical Center Bank Street Campus			
	United Memorial Medical Center North Street Campus			
	University Hospital			
	University Hospital SUNY Health Science Center			
	University Hospital of Brooklyn			
	Vassar Brothers Medical Center			
1 Year	Westchester Medical Center			*
2 Years	Westfield Memorial Hospital Inc		*	*
	White Plains Hospital Center			
	Winifred Masterson Burke Rehabilitation Hospital			
	Winthrop-University Hospital			
	Woman's Christian Association			
	Woman's Christian Assoc Hosp - WCA Hosp at Jones Memorial Health Ce			
	Women And Children's Hospital Of Buffalo	*	*	
	Woodhull Medical & Mental Health Center			
	Wyckoff Heights Medical Center			
	Wyoming County Community Hospital			
Total (out of 196 Hospitals)		13	9	13
<i>Percent of Total Hospitals</i>		<i>6.6%</i>	<i>4.6%</i>	<i>6.6%</i>

Efforts to Improve Data Quality

Complete, accurate, and timely submission of inpatient SPARCS data is an essential process for all Article 28 facilities operating in New York State. SPARCS data is used by DOH for a variety of purposes including: hospital financial rate setting; developing and evaluating policy; epidemiology; health planning/resource allocation; quality of care assessment; research; surveillance; utilization review; efficiency analytics, etc. It is in the best interest of facilities to ensure that the SPARCS data they submit is timely, complete, and accurate.

Efforts at reporting compliance and data quality concentrate on providing facilities with technical assistance, ensuring all facilities submit data on a monthly basis, and giving facilities necessary feedback on volume and quality of data received.

This report will be used to inform facilities on their hospital findings and to increase efforts to improve and correct POA coding in subsequent submissions.

Contact Information

We welcome comments and feedback on this report. Please contact us at:

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Footnotes

Table 3: Assessment Criteria 5: For Elective Surgical Patients, Surgical Diagnoses marked as POA

Diagnosis Code	Diagnosis Code Value
415.11	Iatrogenic pulmonary embolism and infarction
458.2	Iatrogenic hypotension
458.29	Other iatrogenic hypotension
518.5	Pulmonary insufficiency following trauma and surgery
799.1	Respiratory arrest
996.62	Infection and inflammatory reaction due to other vascular device, implant, and graft
997.01	Central nervous system complication
997.02	Iatrogenic cerebrovascular infarction or hemorrhage
997.1	Cardiac complications
997.2	Peripheral vascular complications
997.3	Respiratory complications
997.4	Digestive system complications
997.5	Urinary complications
998.0	Postoperative shock
998.11	Hemorrhage complicating a procedure
998.12	Hematoma complicating a procedure
998.2	Accidental puncture or laceration during a procedure
998.59	Other postoperative infection
998.81	Emphysema (subcutaneous) (surgical) resulting from a procedure
998.89	Other specified complications
999.2	Other vascular complications
999.3	Other infection
999.31	Other and unspecified infection due to central venous catheter
999.8	Other and unspecified infusion and transfusion reaction

Table 4: Hospitals Removed from the study per the criteria of the CMS HAC and POA Payment Provision<https://www.cms.gov/Outreach-and-Education/Medicare-Learning-Network-MLN/MLNProducts/downloads/wPOAFactSheet.pdf>

Facility Name	Type
Blythedale Childrens Hospital	Children’s Inpatient Facility
Calvary Hospital Inc	Cancer Hospital
Carthage Area Hospital Inc.	Critical Access Hospital
Catskill Regional Medical Center - G. Hermann	Critical Access Hospital
Clifton-Fine Hospital	Critical Access Hospital
Coler-Goldwater Specialty Hospital & Nursing Facility - Goldwater Site	Long-Term Care / Inpatient Rehabilitation
Coler-Goldwater Specialty Hospital & Nursing Facility - Coler Site	Long-Term Care / Inpatient Rehabilitation
Community Memorial Hospital Inc.	Critical Access Hospital
Cuba Memorial Hospital Inc.	Critical Access Hospital
Delaware Valley Hospital Inc.	Critical Access Hospital
Elizabethtown Community Hospital	Critical Access Hospital
Ellenville Regional Hospital	Critical Access Hospital
Ellis Hospital - Bellevue Woman's Care Center Division	Children’s Inpatient Facility
Gouverneur Hospital	Critical Access Hospital
Helen Hayes Hospital	Inpatient Rehabilitation Facility
Lewis County General Hospital	Critical Access Hospital
Little Falls Hospital	Critical Access Hospital
Margaretville Hospital	Critical Access Hospital
Medina Memorial Hospital	Critical Access Hospital
Memorial Hospital for Cancer and Allied Diseases	Cancer Hospital
Monroe Community Hospital	Inpatient Rehabilitation Facility
Moses-Ludington Hospital	Critical Access Hospital
O'Connor Hospital	Critical Access Hospital
River Hospital, Inc.	Critical Access Hospital
Roswell Park Cancer Institute	Cancer Hospital
Schuyler Hospital	Critical Access Hospital
Soldiers and Sailors Memorial Hospital of Yates County Inc	Critical Access Hospital
Summit Park Hospital-Rockland County Infirmiry	Long-Term Care Hospital
The Burdett Care Center	Children’s Inpatient Facility