New York Patient Occurrence Reporting & Tracking System (NYPORTS)

Summary Statistics 2014-2016

**Division of Hospitals and Diagnostic & Treatment Centers
Data Management, Analysis and Research Group**

Office of Primary Care and Health System Management

Contents

NEW YORK
STATE OF
OPPORTUNITY. | **Department of Health**

Occurrences of Adverse Events by Detail Codes and Occurrence Year, 2014-2016
(sorted by total occurrences)
Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Code	Description	Occurrence Year			
		2014	2015	2016	Total
915*	Death or serious injury	1,026	1,115	1,317	3,458
914	Misadministration of radiation or radioactive material	259	259	323	841
933	Termination of vital services	189	192	242	623
932	External disaster	187	221	93	501
922*	Patient suicide, attempted suicide	106	109	161	376
911*	Wrong side/wrong patient/wrong procedure	112	104	114	330
913*	Unintended retention of a foreign object	109	101	77	287
935	Hospital fire or other internal disaster	65	84	59	208
963*	Sexual abuse/sexual assault	31	34	41	106
921*	Death or serious injury resulting from physical assault	26	26	21	73
701*	Death/serious injury associated with a burn	27	27	17	71
938*	Patient death or serious injury associated with device	18	24	13	55
962*	Discharge to unauthorized person	6	6	8	20
923*	Death or serious injury associated with elopement	2	8	7	17
934	Poisoning occurring within the hospital	0	2	0	2
961*	Abduction of a patient of any age	1	1	0	2
931	Strike by hospital staff	0	0	1	1
All		2,164	2,313	2,494	6,971

* Occurrences requiring root cause analysis

## Occurrences of Adverse Events by Facility Type and Occurrence Year, 2014-2016

Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Facility Type *	Occurrence Year						Total	
	2014		**2015**		**2016**			
	Occurrences	**%**	**Occurrences**	**%**	**Occurrences**	**%**	**Occurrences**	**%**
Hospital	1,883	87.0	2,068	89.4	2,315	92.8	6,266	89.9
Ambulatory Surgery Center	53	2.5	52	2. 3	58	2.3	163	2.3
Diagnostic & Treatment Center	228	10.5	193	8.3	121	4.9	542	7.8
All	2,164	100.0	2,313	100.0	2,494	100.0	6,971	100.0

* The facility type is determined by performing a lookup of NYPORTs' facility ID (PFI) against the Health Facility Information System (HFIS). If the facility type in HFIS is a hospital, the NYPORTS incidents are tabulated in the "Hospital" category; if the facility type is a Diagnostic & Treatment Center, a second check is performed against the PFIs in the SPARCS Ambulatory Surgery (AS) outpatient records. If SPARCS AS records exist, the facility's incidents are tabulated in the "ASC" category. If SPARCS AS records do not exist, the facility's incidents are tabulated in the Diagnostic & Treatment Center category.

Distribution of the Occurrences Requiring Root Cause Analysis, 2014-2016

Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017
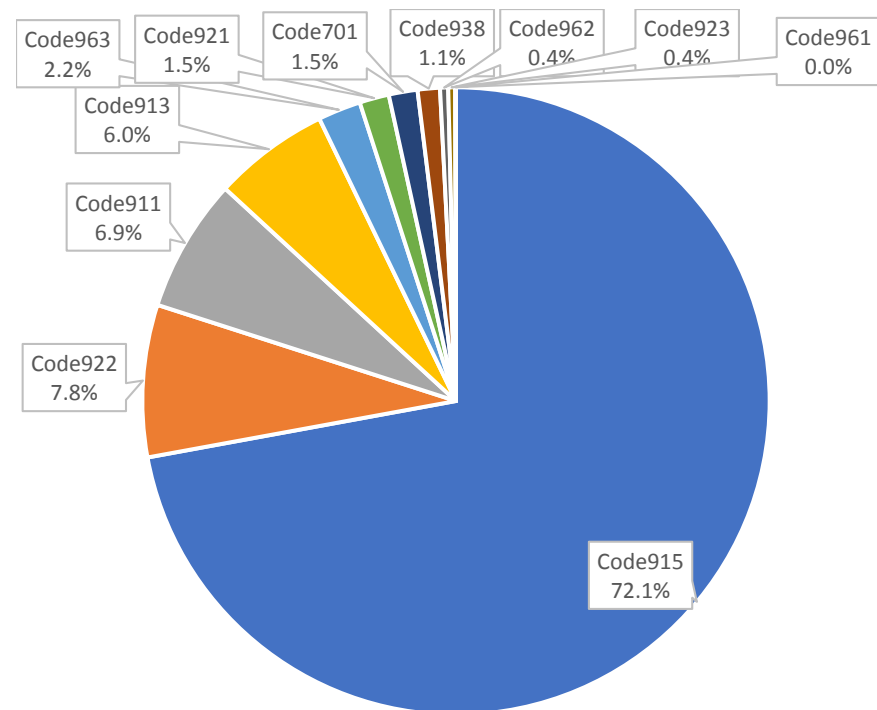
Code	Description	Occurrences	%
915	Death or serious injury	3,458	72.1
922	Patient suicide, attempted suicide	376	7.8
911	Wrong side/wrong patient/wrong procedure	330	6.9
913	Unintended retention of a foreign object	287	6.0
963	Sexual abuse/sexual assault	106	2.2
921	Death or serious injury resulting from physical assault	73	1.5
701	Death/serious injury associated with a burn	71	1.5
938	Patient death or serious injury associated with device	55	1.1
962	Discharge to unauthorized person	20	0.4
923	Death or serious injury associated with elopement	17	0.4
961	Abduction of a patient of any age	2	0.0
All		4,795	100.0

Occurrences by Service Location and Occurrence Year, 2014-2016 (sorted by total occurrences)

__Code 911__: Surgery/other invasive procedure performed on the wrong site/patient; wrong surgical or other invasive procedure

Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Description	2014	2015	2016	Total	%
Ophthalmology	19	16	11	46	13.9
Medicine	11	6	11	28	8.5
Surgery/General	10	9	9	28	8.5
Orthopedics	12	8	8	28	8.5
Neurosurgery	6	6	8	20	6.1
Anesthesia	6	5	7	18	5.5
Radiology/Imaging	7	4	6	17	5.2
Interventional Radiology	4	8	4	16	4.8
Ambulatory Surgery	7	3	4	14	4.2
Dentistry	4	5	4	13	3.9
Urology	2	5	4	11	3.3
Pain/Palliative	4	4	2	10	3.0
Vascular Surgery	0	5	3	8	2.4
ER	2	5	1	8	2.4
Gastroenterology	0	2	4	6	1.8
Plastic Surgery	0	2	2	4	1.2
Pulmonary	2	0	2	4	1.2
Obstetrics	2	1	1	4	1.2
Thoracic Surgery	1	2	1	4	1.2
Gynecology	4	0	0	4	1.2
All Others*	9	8	22	39	11.8
Total	**112**	**104**	**114**	**330**	**100.0**

* Service categories with < 1% of the total were combined into "All Others" .

Occurrences by Service Location and Occurrence Year, 2014-2016 (sorted by total occurrences)
Code 913: Unintended retention of a foreign object after surgery or invasive procedure
Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Description	2014	2015	2016	Total	%
Surgery/General	20	21	9	50	17.4
Obstetrics	16	13	10	39	13.6
Gynecology	8	7	13	28	9.8
Medicine	11	7	5	23	8.0
Orthopedics	9	7	6	22	7.7
ER	6	7	4	17	5.9
Neurosurgery	7	6	2	15	5.2
Cardiothoracic Surgery	6	6	2	14	4.9
Urology	3	3	5	11	3.8
Cardiology	4	2	2	8	2.8
Interventional Radiology	1	3	2	6	2.1
Transplant Surgery	1	0	4	5	1.7
Thoracic Surgery	2	1	2	5	1.7
Anesthesia	3	2	0	5	1.7
Other	1	2	1	4	1.4
Plastic Surgery	0	1	2	3	1.0
Dentistry	1	0	2	3	1.0
Vascular Surgery	1	1	1	3	1.0
Gastroenterology	0	2	1	3	1.0
Cardiac Catheterization	1	1	1	3	1.0
Neonatology	1	1	1	3	1.0
Oncology	1	2	0	3	1.0
All Others*	6	6	2	14	4.9
Total	**109**	**101**	**77**	**287**	**100.0**

* Service categories with <1% of the total were combined into "All Others" .

Occurrences by Service Location and Occurrence Year, 2014-2016 (sorted by total occurrences)

Code 915: Patient death or serious injury

Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Description	2014	2015	2016	Total	%
Obstetrics	297	327	385	1,009	29.2
Medicine	237	239	294	770	22.3
ER	75	79	87	241	7.0
Surgery/General	51	53	62	166	4.8
Orthopedics	50	45	40	135	3.9
Psychiatry	31	36	40	107	3.1
Gynecology	19	29	32	80	2.3
Gastroenterology	17	23	34	74	2.1
Rehabilitation/Rehab Medicine	21	29	20	70	2.0
Pediatrics	15	19	30	64	1.9
Cardiology	18	15	29	62	1.8
Other	15	20	25	60	1.7
Neonatology	21	21	17	59	1.7
Oncology	17	12	21	50	1.4
Hemodialysis	17	9	20	46	1.3
Nursery/NICU	9	12	24	45	1.3
Neurosurgery	11	8	15	34	1.0
Cardiothoracic Surgery	6	15	12	33	1.0
All Others*	99	124	130	353	10.2
All	**1,026**	**1,115**	**1,317**	**3,458**	**100.0**

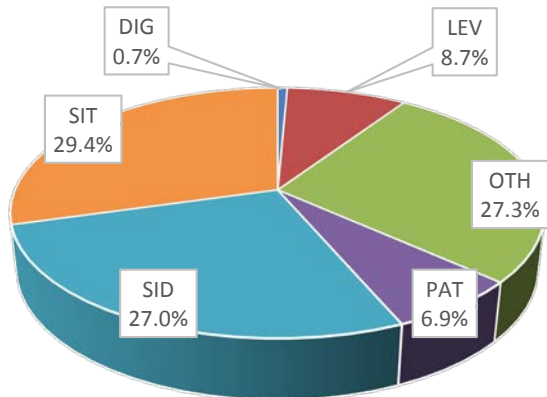* Service categories with <1% of the total were combined into "All Others".

Occurrences of Codes 911, 913 and 915 by Sub Codes and Occurrence Year, 2014-2016: <u>Hospitals</u>
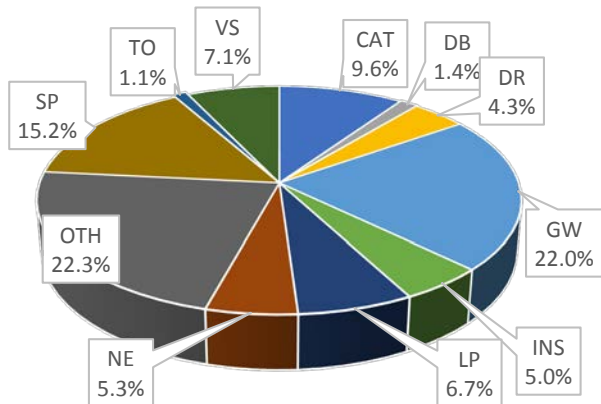
Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Occurrence Year	Code 911: wrong site, patient, wrong surgical, or Procedure							Code 913: Unintended retention of a foreign object after surgery or invasive procedure												Code 915: Patient death or serious injury											
	DIG	LEV	OTH	PAT	SID	SIT	Total	CAT	DB	DR	GW	INS	LP	NE	OTH	SP	TO	VS	Total	BIO	FAL	LPR	MAT	MRI	NEO	OTH	PHL	RES	RX	SUR	Total
2014	1	7	23	6	28	28	93	10	4	3	29	3	6	5	23	16	2	7	108	2	332	20	131	0	196	1	248	3	53	2	988
2015	1	7	21	6	25	33	93	10	0	6	21	5	7	6	24	16	0	4	99	8	359	17	171	0	187	0	268	1	52	5	1068
2016	0	11	35	8	25	24	103	7	0	3	12	6	6	4	16	11	1	9	75	2	399	20	216	0	218	0	332	3	61	1	1252
Total	**2**	**25**	**79**	**20**	**78**	**85**	**289**	**27**	**4**	**12**	**62**	**14**	**19**	**15**	**63**	**43**	**3**	**20**	**282**	**12**	**1090**	**57**	**518**	**0**	**601**	**1**	**848**	**7**	**166**	**8**	**3308**
%	0.7	8.7	27.3	6.9	27.0	29.4	100.0	9.6	1.4	4.3	22.0	5.0	6.7	5.3	22.3	15.2	1.1	7.1	100.0	0.4	33.0	1.7	15.7	0	18.2	0.0	25.6	0.2	5.0	0.2	100.0

Total %-Code 911

DIG 0.7%
LEV 8.7%
SIT 29.4%
OTH 27.3%
SID 27.0%
PAT 6.9%

Total % -Code 913

TO 1.1%
VS 7.1%
CAT 9.6%
DB 1.4%
DR 4.3%
SP 15.2%
OTH 22.3%
NE 5.3%
LP 6.7%
INS 5.0%
GW 22.0%

Total %- Code 915

RES 0.2%
RX 5.0%
BIO 0.4%
SUR 0.2%
PHL 25.6%
FAL 33.0%
OTH 0.0%
NEO 18.2%
MAT 15.7%
LPR 1.7%
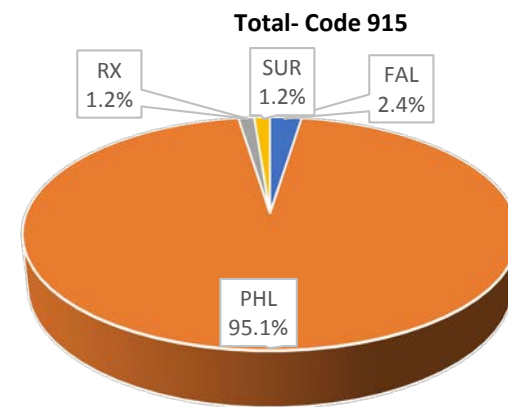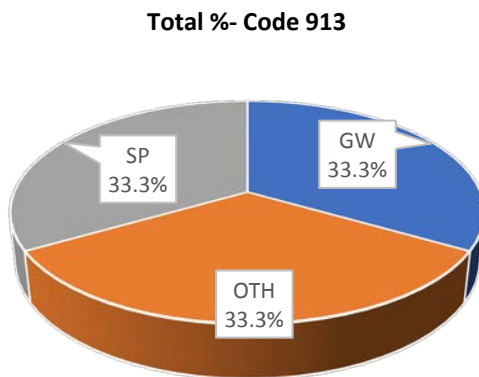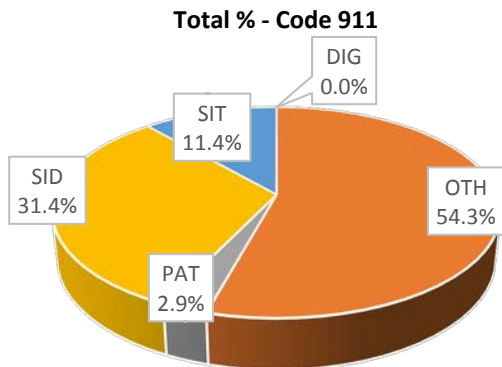
Occurrences of Codes 911, 913 and 915 by Sub Codes and Occurrence Year, 2014-2016: <u>ASCs</u>

Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

Occurrence Year	Code 911: wrong site, patient, wrong surgical, or Procedure						Code 913: Unintended retention of a foreign object after surgery or invasive procedure				Code 915: Patient death or serious injury				
	DIG	**OTH**	**PAT**	**SID**	**SIT**	**Total**	**GW**	**OTH**	**SP**	**Total**	**FAL**	**PHL**	**RX**	**SUR**	**Total**
2014	0	11	0	7	1	19	0	1	0	1	0	14	0	1	15
2015	0	6	0	3	2	11	0	0	0	0	1	26	0	0	27
2016	0	2	1	1	1	5	1	0	1	2	1	38	1	0	40
Total	**0**	**19**	**1**	**11**	**4**	**35**	**1**	**1**	**1**	**3**	**2**	**78**	**1**	**1**	**82**
%	0.0	54.3	2.9	31.4	11.4	100.0	33.3	33.3	33.3	100.0	2.4	95.1	1.2	1.2	100.0

Total % - Code 911

DIG 0.0%
SIT 11.4%
SID 31.4%
PAT 2.9%
OTH 54.3%

Total %- Code 913

SP 33.3%
GW 33.3%
OTH 33.3%

Total- Code 915

RX 1.2%
SUR 1.2%
FAL 2.4%
PHL 95.1%

Sub Code Descriptions for Codes 911, 913 and 915

Code 911	
DIG	Wrong digit
LEV	Wrong level
SID	Wrong side
SIT	Wrong site
PAT	Wrong patient
OTH	Wrong procedure

Code 913	
CAT	Catheter
DR	Drain
DB	Drill Bit
GW	Guidewire
INS	Instrument
LP	Lap Pad
NE	Needle
SP	Sponge
TO	Towel
VS	Vaginal Sponge
OTH	Other

Code 915	
BIO	Death or serious injury resulting from the irretrievable loss of an irreplaceable biologic specimen
FAL	Fall associated with a death or serious injury
LPR	Death or serious injury associated with failure to follow up or communicate lab, pathology, radiology test results
MAT	Maternal death or serious injury
MRI	Death or serious injury associated with the introduction of a metallic object into the MRI area
NEO	Neonatal or stillborn death or serious injury
PHL	Death or serious injury in circumstances other than those related to the natural course of illness, disease or proper treatment
RES	Death or serious injury associated with the use of physical restraints or bedrails
RX	Death or serious injury associated with a medication error
SUR	Intraoperative or immediately post-operative/post procedure death
OTH	Other, this sub-code retired in late 2014

Occurrences by Primary Codes (Medication Errors) and Occurrence Year, 2014-2016
Data Source: NYPORTS 2014-2016, as of Aug. 28th, 2017

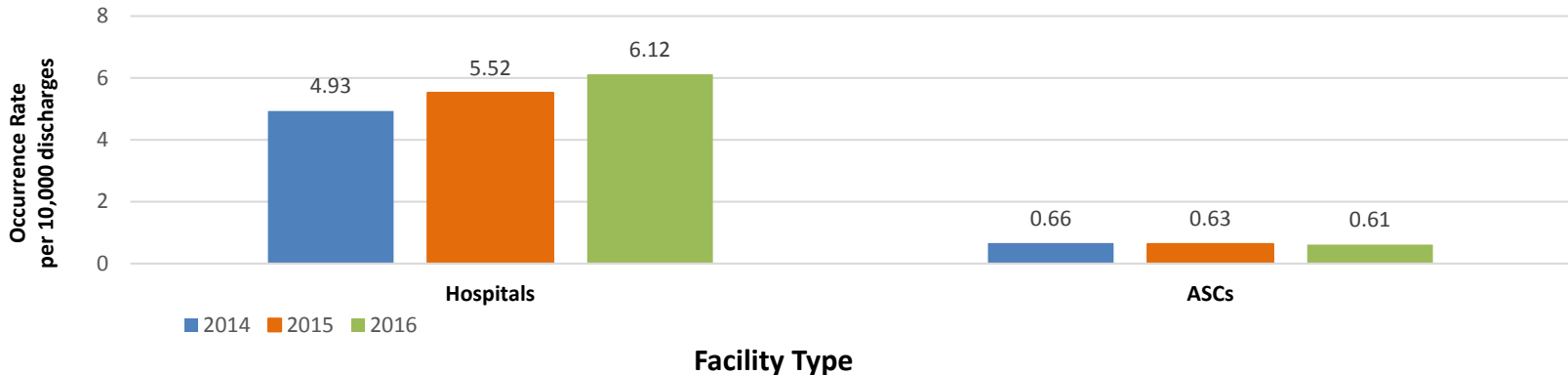| Medication Error Code*	Description	Occurrence Year			Total	%
		2014	2015	2016		
108	Serious Patient Harm	31	33	49	113	65.7
109	Near Death Event	14	11	9	34	19.8
110	Patient Death	8	10	7	25	14.5
All		53	54	65	172	100.0

* Medication error code associated with a serious injury (detail code 915 with sub code RX).
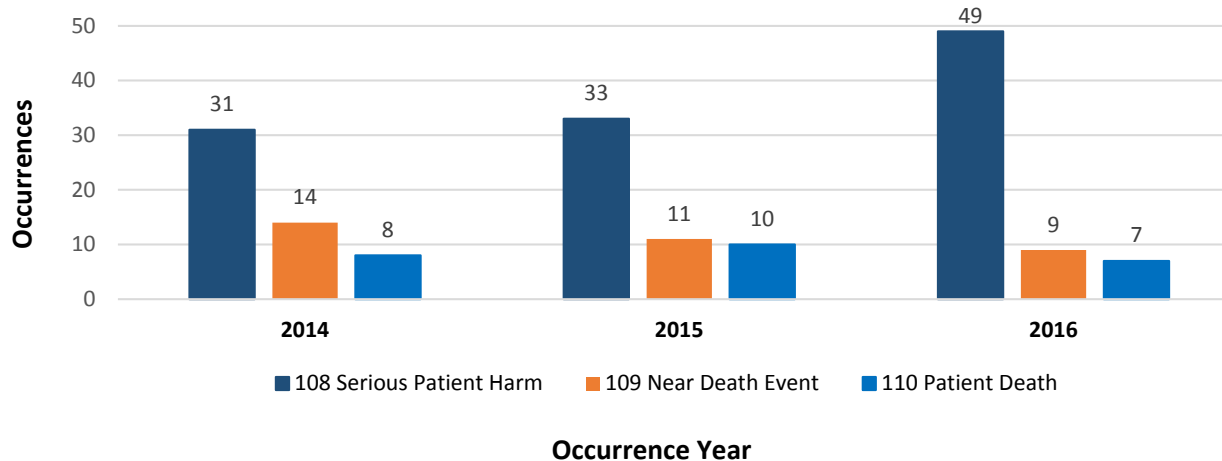
Occurrences, Discharges and Occurrence Rate (per 10,000 discharges) by Facility Type and Occurrence Year, 2014-2016

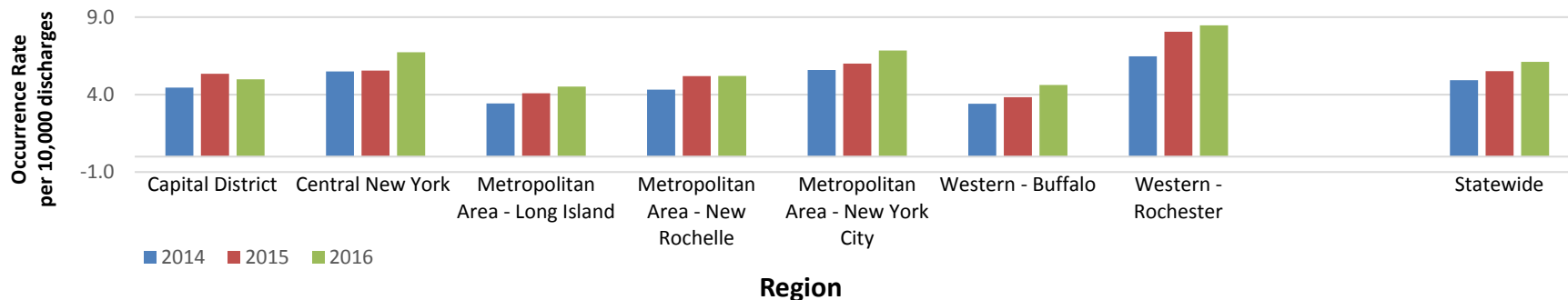Data Source: NYPORTS, 2014-2016, as of Aug. 28th , 2017 and SPARCS, 2014-2016, as of Sep. 26th, 2017

Facility Type	Occurrence Year								
	2014			2015			2016		
	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges
Hospitals	1,883	3,819,555	4.93	2,068	3,748,379	5.52	2,315	3,784,770	6.12
ASCs	53	808,877	0.66	52	831,776	0.63	58	948,804	0.61

Occurrences, Discharges and Occurrence Rate (per 10,000 discharges) by Region and Occurrence Year, 2014-2016: Hospitals

Data Source: NYPORTS, 2014-2016, as of Aug. 28th, 2017 and SPARCS, 2014-2016, as of Sep. 26th, 2017

Regional Office	Occurrence Year								
	2014			2015			2016		
	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges
Capital District	138	310,007	4.45	166	310,773	5.34	161	322,474	4.99
Central New York	184	334,928	5.49	182	327,943	5.55	230	341,808	6.73
Metropolitan Area - Long Island	189	550,986	3.43	220	538,108	4.09	249	550,885	4.52
Metropolitan Area - New Rochelle	160	370,284	4.32	190	366,082	5.19	195	374,888	5.20
Metropolitan Area - New York City	926	1,660,000	5.59	972	1,620,000	6.00	1,098	1,600,000	6.85
Western - Buffalo	109	319,975	3.41	121	316,200	3.83	146	316,241	4.62
Western - Rochester	177	273,375	6.47	217	269,273	8.06	236	278,474	8.47
Statewide	**1,883**	**3,819,555**	**4.93**	**2,068**	**3,748,379**	**5.52**	**2,315**	**3,784,770**	**6.12**

Occurrences, Discharges and Occurrence Rate (per 10,000 discharges) by Region and Occurrence Year, 2014-2016: ASCs

Data Source: NYPORTS, 2014-2016, as of Aug. 28th, 2017 and SPARCS, 2014-2016, as of Sep. 26th, 2017

Regional Office	Occurrence Year								
	2014			2015			2016		
	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate (per 10,000 discharges
Capital District	4	79,178	0.51	4	73,348	0.55	0	91,216	0
Central New York	7	106,319	0.75	7	106,926	0.65	7	119,480	0.59
Metropolitan Area - Long Island	7	118,096	0.85	5	132,807	0.38	13	138,745	0.94
Metropolitan Area - New Rochelle	1	63,521	0.16	7	61,094	1.15	3	66,915	0.45
Metropolitan Area - New York City	20	291,819	0.79	21	305,718	0.69	22	374,196	0.59
Western - Buffalo	11	89,588	1.45	4	90,755	0.44	12	97,083	1.24
Western - Rochester	3	60,356	0.50	4	61,128	0.65	1	61,169	0.16
Statewide	**53**	**808,877**	**0.66**	**52**	**831,776**	**0.63**	**58**	**948,804**	**0.61**