New York Patient Occurrence Reporting & Tracking System (NYPORTS)

Summary Statistics 2014-2017

Health Care Transformation Group

Office of Primary Care and Health System Management

Contents

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Occurrences of Adverse Events by Detail Codes and Occurrence Year, 2014-2017
(sorted by total occurrences)

Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

Code	Description	Occurrence Year				
		2014	2015	2016	2017	Total
915*	Death or serious injury	1,026	1,116	1,318	1,252	4,712
914	Misadministration of radiation or radioactive material	259	259	323	360	1,201
933	Termination of vital services	189	193	242	241	865
932	External disaster	187	221	93	198	699
922*	Patient suicide, attempted suicide	106	109	161	152	528
911*	Wrong side/wrong patient/wrong procedure	112	104	114	128	458
913*	Unintended retention of a foreign object	110	101	78	89	378
935	Hospital fire or other internal disaster	65	84	59	53	261
963*	Sexual abuse/sexual assault	31	34	42	43	150
921*	Death or serious injury resulting from physical assault	26	26	21	38	111
701*	Death/serious injury associated with a burn	27	27	17	18	89
938*	Patient death or serious injury associated with device	18	24	13	15	70
962*	Discharge to unauthorized person	6	6	8	5	25
923*	Death or serious injury associated with elopement	2	8	7	4	21
934	Poisoning occurring within the hospital	0	2	0	1	3
961*	Abduction of a patient of any age	1	1	0	1	3
931	Strike by hospital staff	0	0	1	1	2
All		2,165	2,315	2,497	2,599	9,576

* Occurrences requiring root cause analysis

## Occurrences of Adverse Events by Facility Type and Occurrence Year, 2014-2017
Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

| | Occurrence Year | | | | | | | | Total | |
| | 2014 | | 2015 | | 2016 | | 2017 | | | |
Facility Type [a]	Occurrences	%	Occurrences	%	Occurrences	%	Occurrences	%	Occurrences	%
Hospital	1,884	87.0	2,070	89.4	2,318	92.8	2,312	89.0	8,584	89.6
Ambulatory Surgery Center	53	2.4	52	2.2	58	2.3	66	2.5	229	2.4
Diagnostic & Treatment Center	228	10.5	193	8.3	121	4.8	221	8.5	763	8.0
All	2,165	100	2,315	100	2,497	100	2,599	100	9,576	100

[a] 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, 2014-2017

Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018
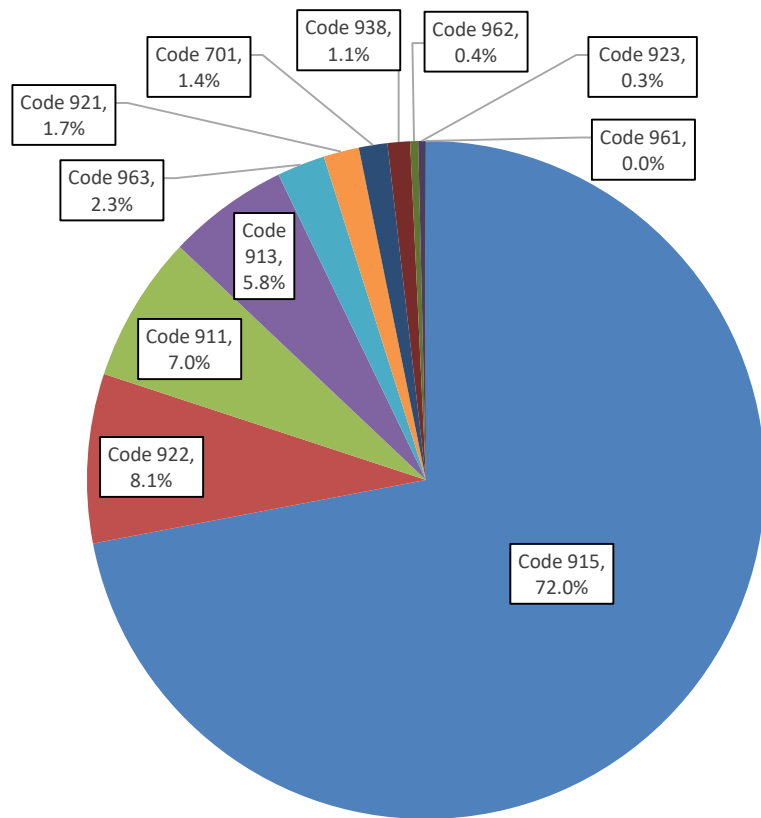
Code	Description	Occurrences	%
915	Death or serious injury	4,712	72.0
922	Patient suicide, attempted suicide	528	8.1
911	Wrong side/wrong patient/wrong procedure	458	7.0
913	Unintended retention of a foreign object	378	5.8
963	Sexual abuse/sexual assault	150	2.3
921	Death or serious injury resulting from physical assault	111	1.7
701	Death/serious injury associated with a burn	89	1.4
938	Patient death or serious injury associated with device	70	1.1
962	Discharge to unauthorized person	25	0.4
923	Death or serious injury associated with elopement	21	0.3
961	Abduction of a patient of any age	3	0.0
All		6,545	100

Occurrences by Service/Location and Occurrence Year, 2014-2017 (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 2014-2017, as of Nov. 30th, 2018

Description	2014	2015	2016	2017	Total	%
Ophthalmology	19	16	11	7	53	11.6
Orthopedics	12	8	8	15	43	9.4
Surgery/General	10	9	9	12	40	8.7
Medicine	11	6	11	6	34	7.4
Anesthesia	6	5	7	13	31	6.8
Neurosurgery	6	6	8	7	27	5.9
Interventional Radiology	4	8	4	8	24	5.2
Radiology/Imaging	7	4	6	6	23	5.0
Urology	2	5	4	7	18	3.9
Dentistry	4	5	5	3	17	3.7
Ambulatory Surgery	7	3	4	2	16	3.5
Pain/Palliative	4	4	2	3	13	2.8
ER	2	5	1	2	10	2.2
Gastroenterology	0	2	4	4	10	2.2
Vascular Surgery	0	5	3	1	9	2.0
Cardiac Catheterization	1	1	1	5	8	1.7
Thoracic Surgery	1	2	1	3	7	1.5
Gynecology	4	0	0	2	6	1.3
Other	1	1	1	3	6	1.3
Plastic Surgery	0	2	2	1	5	1.1
Cardiology	0	1	2	2	5	1.1
Pulmonary	2	0	2	1	5	1.1
All Others*	9	6	18	15	48	10.5
Total	**112**	**104**	**114**	**128**	**458**	**100**

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

Occurrences by Service Location and Occurrence Year, 2014-2017 (sorted by total occurrences)

Code 913: Unintended retention of a foreign object after surgery or invasive procedure

Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

Description	2014	2015	2016	2017	Total	%
Surgery/General	20	21	10	11	62	16.4
Obstetrics	16	13	10	12	51	13.5
Gynecology	8	7	13	10	38	10.1
Orthopedics	9	7	6	10	32	8.5
Medicine	11	7	5	6	29	7.7
Neurosurgery	7	6	2	8	23	6.1
ER	6	7	4	2	19	5.0
Cardiothoracic Surgery	6	6	2	3	17	4.5
Urology	3	3	5	1	12	3.2
Transplant Surgery	1	0	4	5	10	2.6
Vascular Surgery	1	1	1	6	9	2.4
Anesthesia	3	2	0	4	9	2.4
Cardiology	4	2	2	0	8	2.1
Interventional Radiology	1	3	2	0	6	1.6
Thoracic Surgery	2	1	2	0	5	1.3
Cardiac Catheterization	1	1	1	2	5	1.3
Plastic Surgery	0	1	2	1	4	1.1
Gastroenterology	0	2	1	1	4	1.1
Other	1	2	1	0	4	1.1
All Others*	10	9	5	7	31	8.2
Total	**110**	**101**	**78**	**89**	**378**	**100**

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

Occurrences by Service Location and Occurrence Year, 2014-2017 (sorted by total occurrences)
Code 915: Patient death or serious injury
Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

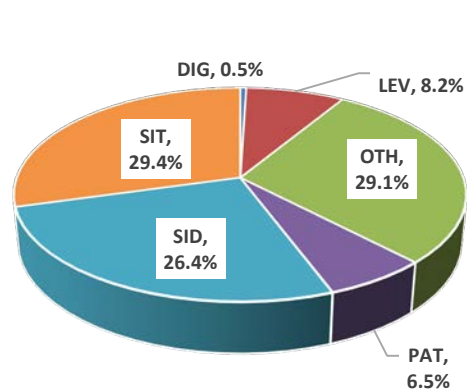| Description	2014	2015	2016	2017	Total	%
Obstetrics	297	327	385	433	1,442	30.6
Medicine	237	239	294	251	1,021	21.7
ER	75	79	87	84	325	6.9
Surgery/General	51	53	63	53	220	4.7
Orthopedics	50	45	40	32	167	3.5
Psychiatry	31	36	40	35	142	3.0
Gynecology	19	30	32	28	109	2.3
Gastroenterology	17	23	34	28	102	2.2
Rehabilitation/Rehab Medicine	21	29	20	19	89	1.9
Cardiology	18	15	29	26	88	1.9
Pediatrics	15	19	30	20	84	1.8
Neonatology	21	21	17	25	84	1.8
Other	15	20	25	13	73	1.5
Oncology	17	12	21	15	65	1.4
Hemodialysis	17	9	20	12	58	1.2
Nursery/NICU	9	12	24	10	55	1.2
Neurosurgery	11	8	15	18	52	1.1
Ambulatory Surgery	4	6	14	21	45	1.0
All Others*	101	133	128	129	491	10.4
Total	**1,026**	**1,116**	**1,318**	**1,252**	**4,712**	**100**

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

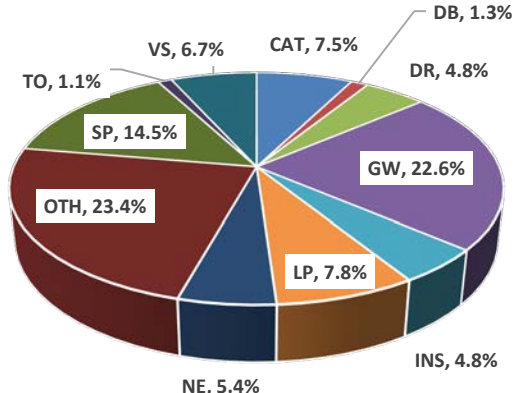## Occurrences of Codes 911, 913 and 915 by Sub Codes and Occurrence Year, 2014-2017: <u>Hospitals</u>

Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

Year	911: Wrong site, patient, surgical, or procedure							913: Unintended retention of a foreign object after surgery or invasive procedure												915: Patient death or serious injury											All
	DIG	LEV	OTH	PAT	SID	SIT	Total	CAT	DB	DR	GW	INS	LP	NE	OTH	SP	TO	VS	Total	BIO	FAL	LPR	MAT	NEO	OTH	PHL	RES	RX	SUR	Total	
2014	1	7	23	6	28	28	93	10	4	3	30	3	6	5	23	16	2	7	109	2	332	20	131	196	1	248	3	53	2	988	1,190
2015	1	7	21	6	25	33	93	10	0	6	21	5	7	6	24	16	0	4	99	8	359	17	171	187	0	269	1	52	5	1,069	1,261
2016	0	11	35	8	25	24	103	7	0	3	12	6	6	4	17	11	1	9	76	2	399	21	216	218	0	332	3	61	1	1,253	1,432
2017	0	8	38	6	28	33	113	1	1	6	21	4	10	5	23	11	1	5	88	4	337	16	257	211	0	315	1	49	3	1,193	1,394
All	2	33	117	26	106	118	402	28	5	18	84	18	29	20	87	54	4	25	372	16	1,427	74	775	812	1	1,164	8	215	11	4,503	5,277

Total % - Code 911
- DIG, 0.5%
- LEV, 8.2%
- OTH, 29.1%
- SIT, 29.4%
- SID, 26.4%
- PAT, 6.5%

Total % - Code 913
- CAT, 7.5%
- DB, 1.3%
- DR, 4.8%
- VS, 6.7%
- TO, 1.1%
- SP, 14.5%
- GW, 22.6%
- OTH, 23.4%
- LP, 7.8%
- NE, 5.4%
- INS, 4.8%

Total % - Code 915
- SUR, 0.2%
- BIO, 0.4%
- RX, 4.8%
- RES, 0.2%
- PHL, 25.8%
- FAL, 31.7%
- NEO, 18.0%
- MAT, 17.2%
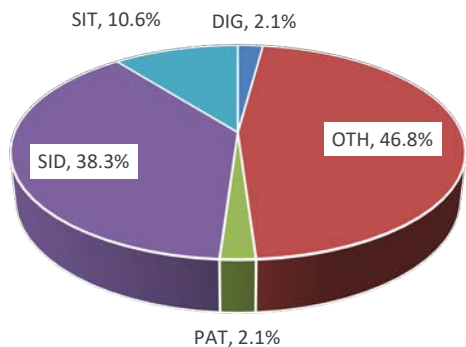- OTH, 0.0%
- LPR, 1.6%

Occurrences of Codes 911, 913 and 915 by Sub Codes and Occurrence Year, 2014-2017: <u>ASCs</u>
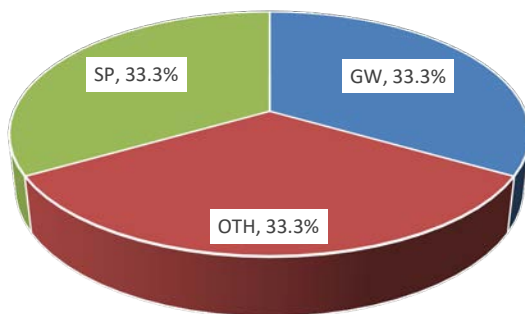
Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

Year	911: Wrong site, patient, surgical, or procedure						913: Unintended retention of a foreign object after surgery or invasive procedure				915: Patient death or serious injury					All
	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	35
2015	0	6	0	3	2	11	0	0	0	0	1	26	0	0	27	38
2016	0	2	1	1	1	5	1	0	1	2	1	38	1	0	40	47
2017	1	3	0	7	1	12	0	0	0	0	0	32	0	1	33	45
All	1	22	1	18	5	47	1	1	1	3	2	110	1	2	115	165

Total % - Code 911

SIT, 10.6% DIG, 2.1% OTH, 46.8% SID, 38.3% PAT, 2.1%

Total % - Code 913

SP, 33.3% GW, 33.3% OTH, 33.3%

Total % - Code 915

SUR, 1.7% RX, 0.9% FAL, 1.7% PHL, 95.7%
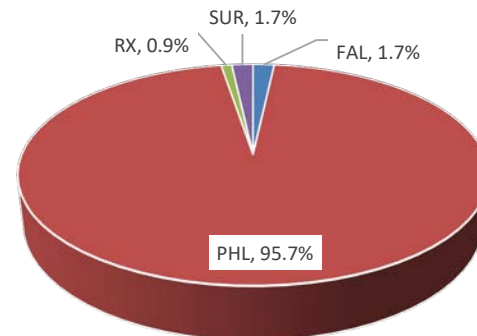
Sub Code Descriptions for Codes 911, 913 and 915

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 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, 2014-2017

Data Source: NYPORTS 2014-2017, as of Nov. 30th, 2018

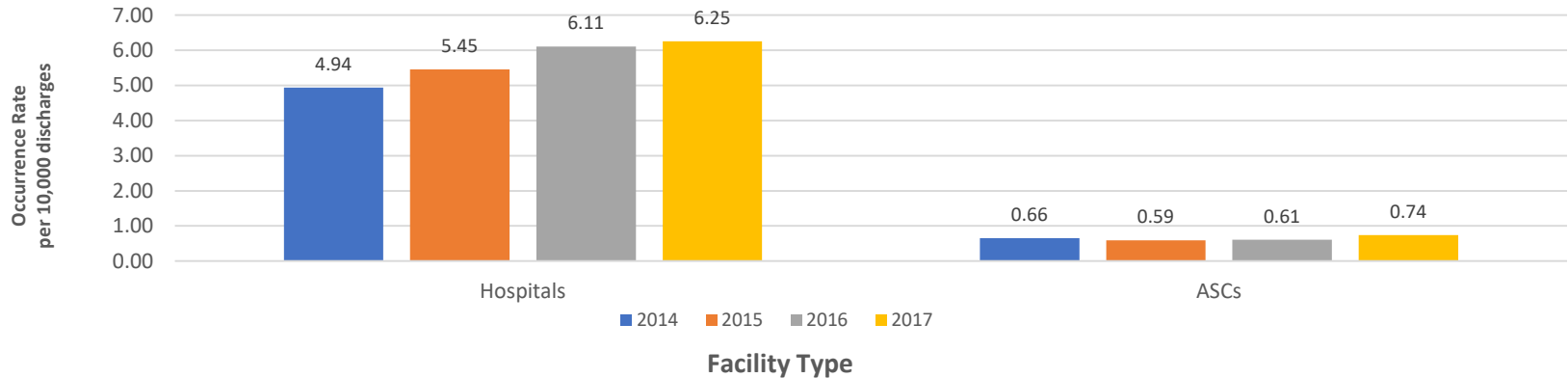| Medication Error Code*	Description	Occurrence Year				Total	%
		2014	**2015**	**2016**	**2017**		
108	Serious Patient Harm	31	33	49	26	139	62.3
109	Near Death Event	14	11	9	14	48	21.5
110	Patient Death	8	10	7	11	36	16.1
All		53	54	65	51	**223**	**100**

* Medication error code associated with a serious injury (detail code 915 with sub code RX).
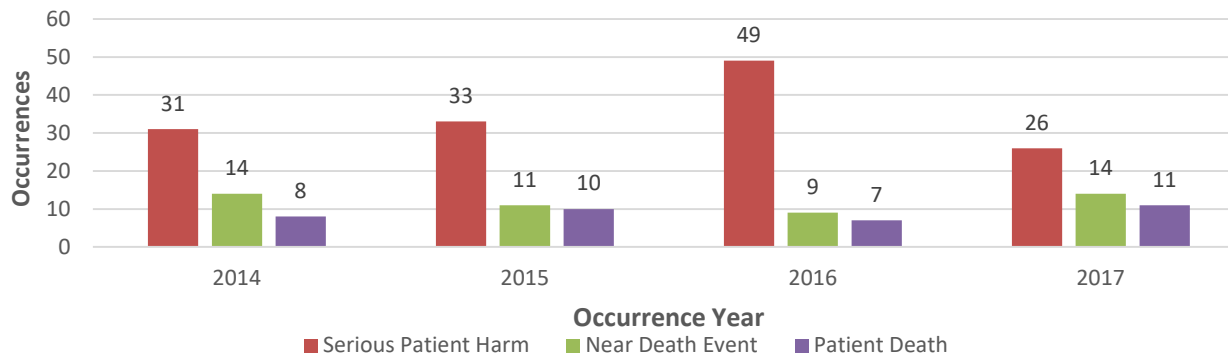
Occurrences, Discharges and Occurrence Rate (per 10,000 discharges) by Facility Type and Occurrence Year, 2014-2017

Data Source: NYPORTS, 2014-2017 as of Nov. 30th, 2018; SPARCS 2014-2017 as of Nov. 15th, 2018
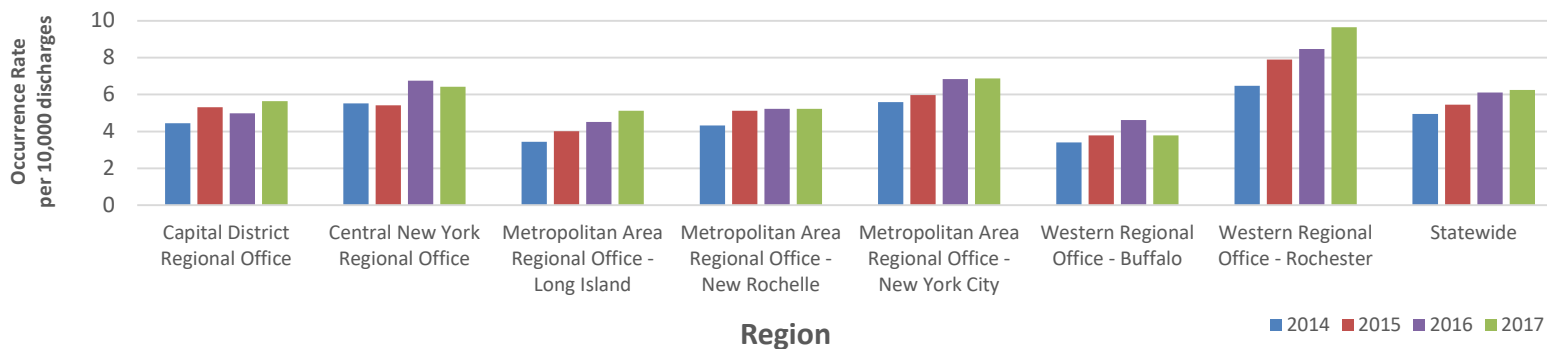
Facility Type	Occurrence Year											
	2014			2015			2016			2017		
	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate per 10,000 discharges	Occurrences (NYPORTS)	Discharges (SPARCS)	Rate per 10,000 discharges
Hospitals	1,884	3,815,276	4.94	2,070	3,795,165	5.45	2,318	3,794,813	6.11	2,312	3,696,962	6.25
ASCs	53	808,875	0.66	52	879,265	0.59	58	951,705	0.61	69	929,023	0.74

Occurrences, Discharges and Occurrence Rate (per 10,000 discharges) by Region and Occurrence Year, 2014-2017: <u>Hospitals</u>

Data Source: NYPORTS, 2014-2017 as of Nov. 30th, 2018; SPARCS 2014-2017 as of Nov. 15th, 2018

Regional Office	Occurrence Year											
	2014			**2015**			**2016**			**2017**		
	Occur	Disch (SP)	Rate	Occur	Disch (SP)	Rate	Occur	Disch (SP)	Rate	Occur	Disch (SP)	Rate
Capital District Regional Office	138	310,007	4.45	166	312,261	5.32	161	323,294	4.98	177	313,953	5.64
Central New York Regional Office	185	334,932	5.52	182	336,145	5.41	231	341,875	6.76	206	321,254	6.41
Metropolitan Area Regional Office - Long Island	189	550,985	3.43	220	548,844	4.01	249	550,956	4.52	273	533,333	5.12
Metropolitan Area Regional Office - New Rochelle	160	370,286	4.32	190	370,908	5.12	196	375,067	5.23	194	370,851	5.23
Metropolitan Area Regional Office - New York City	926	1,655,720	5.59	974	1,632,869	5.96	1,099	1,608,778	6.83	1,087	1,583,923	6.86
Western Regional Office - Buffalo	109	319,974	3.41	121	319,522	3.79	146	316,353	4.62	115	303,982	3.78
Western Regional Office - Rochester	177	273,372	6.47	217	274,616	7.90	236	278,490	8.47	260	269,666	9.64
Statewide	**1,884**	**3,815,276**	**4.94**	**2,070**	**3,795,165**	**5.45**	**2,318**	**3,794,813**	**6.11**	**2,312**	**3,696,962**	**6.25**

Occurrences, Discharges and Occurrence Rate (per 10,000 discharges) by Region and Occurrence Year, 2014-2017: <u>ASCs</u>

Data Source: NYPORTS, 2014-2017 as of Nov. 30th, 2018; SPARCS 2014-2017 as of Nov. 15th, 2018

Regional Office	Occurrence Year											
	2014			2015			2016			2017		
	Occur	Disch (SP)	Rate	Occur	Disch (SP)	Rate	Occur	Disch (SP)	Rate	Occur	Disch (SP)	Rate
Capital District Regional Office	4	79,178	0.51	4	79,404	0.50	0	91,238	0.00	9	95,052	0.95
Central New York Regional Office	7	106,318	0.66	7	108,682	0.64	7	121,660	0.58	8	122,704	0.65
Metropolitan Area Regional Office - Long Island	7	118,096	0.59	5	133,007	0.38	13	138,746	0.94	6	138,158	0.43
Metropolitan Area Regional Office - New Rochelle	1	63,521	0.16	7	63,463	1.10	3	66,916	0.45	6	71,896	0.83
Metropolitan Area Regional Office - New York City	20	291,818	0.69	21	341,704	0.61	22	374,893	0.59	26	336,990	0.77
Western Regional Office - Buffalo	11	89,588	1.23	4	91,797	0.44	12	97,083	1.24	7	98,903	0.71
Western Regional Office - Rochester	3	60,356	0.50	4	61,208	0.65	1	61,169	0.16	7	65,320	1.07
Statewide	**53**	**808,875**	**0.66**	**52**	**879,265**	**0.59**	**58**	**951,705**	**0.61**	**69**	**929,023**	**0.74**