

Patient Safety Reporting Program 2018 Annual Report Part II Additional Data Tables

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June 2019

The Oregon Patient Safety Commission, 2019

The Oregon Patient Safety Commission is a semi-independent state agency that operates multiple programs aimed at reducing the risk of serious adverse events occurring in Oregon's healthcare system and encouraging a culture of patient safety. The Oregon Patient Safety Commission's programs include the Patient Safety Reporting Program and Early Discussion and Resolution. To learn more about the Oregon Patient Safety Commission, visit oregonpatientsafety.org.

Appendix I. Event Types

Table 1. Event Type by Segment, 2018

Event Type	ASC	Hospital	Nursing Facility	Pharmacy	All Segments
	(n=96)	(n=209)	(n=17)	(n=13)	(n=335)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Surgical or other invasive procedure	53 (55%)	12 (6%)			65 (19%)
Healthcare-associated infection	14 (15%)	30 (14%)	0 (0%)		44 (13%)
Medication or other substance	4 (4%)	20 (10%)	4 (24%)	13 (100%)	41 (12%)
Care delay	1 (1%)	33 (16%)	1 (6%)		35 (10%)
Fall	5 (5%)	19 (9%)	9 (53%)		33 (10%)
Device or supply	4 (4%)	15 (7%)	0 (0%)		19 (6%)
Retained object	1 (1%)	12 (6%)			13 (4%)
Other event	3 (3%)	8 (4%)	0 (0%)		11 (3%)
Aspiration	8 (8%)	2 (1%)	0 (0%)		10 (3%)
Suicide or attempted suicide		10 (5%)	0 (0%)		10 (3%)
Maternal		9 (4%)			9 (3%)
Perinatal		8 (4%)			8 (2%)
Pressure ulcer		7 (3%)	1 (6%)		8 (2%)
Failure to follow up or communicate test results		7 (3%)			7 (2%)
Anesthesia	2 (2%)	3 (1%)			5 (1%)
Irretrievable loss of irreplaceable specimen	0 (0%)	5 (2%)			5 (1%)
Contaminated drugs, devices or biologics	1 (1%)	3 (1%)			4 (1%)
Elopement		2 (1%)	2 (12%)		4 (1%)
Air embolism	0 (0%)	2 (1%)	0 (0%)		2 (1%)
Electric shock	0 (0%)	1 (0.5%)			1 (0.3%)
Blood or blood product	0 (0%)	1 (0.5%)			1 (0.3%)
Radiologic		1 (0.5%)			1 (0.3%)
Restraint or bedrail related	1 (1%)	0 (0%)	0 (0%)		1 (0.3%)
Total Events	97	210	17	13	337

Reporters may select multiple event types in a single report, so percentages may add to more than 100.

Other event types:

2 – Care management

2 – Patient to patient/staff behavior

1 – Other injury

1 – Unexpected death

1 – Fire, flame, or unanticipated smoke, heat, or flashes occurring during an episode of patient care

1 – Patient misidentification

1 – Privacy breach

1 – Staff exposure to possible infectious process

1 – Unknown bugs in patient bed after it had been in the Operating Room

Appendix II. Harm

Harm Category I Reports

Facilities reported 38 harm category I (patient death) events in 2018, which is proportionally similar to previous years (Table 2). For a breakdown of these figures by segment, see

Table 3.

Table 2. Harm Category I (Death) Reports by Year, 2011-2018

	2011	2012	2013	2014	2015	2016	2017	2018
Number of harm category I reports	22	34	39	39	38	45	52	38
Percentage of adverse events	8%	10%	6%	7%	6%	8%	12%	11%

Four of the 2018 harm category I reports were patient suicides. All the remaining 34 harm category I events involved patients who were identified as having fragile health status or significant comorbidities. Regardless of the complexity of a patient's health status, these types of events present a learning opportunity so that systems can be strengthened to prevent similar events. The event analyses for harm category I events usually yielded system-level action plans—a clear indication that Oregon healthcare facilities are committed to learning from all events.

Table 3. Harm Category I (Death) Reports by Segment and Year, 2009-2018

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of harm category I reports	34	35	22	34	39	39	38	45	52	38
Total reports	346	400	278	447	639	600	678	544	438	335
Percentage of total reports	10%	9%	8%	7%	6%	7%	6%	8%	12%	11%
Ambulatory Surgery Center										
Number of harm I reports	1	1	0	2	0	0	1	1	0	0
Total ASC reports	184	252	122	194	145	122	148	106	126	96
Percentage of total reports	1%	1%	0%	1%	0%	0%	1%	1%	0%	0%
Hospital										
Number of harm I reports	29	33	22	31	38	36	32	43	51	37
Total hospital reports	125	126	142	160	225	266	333	323	289	209
Percentage of total reports	23%	26%	15%	19%	17%	14%	10%	13%	18%	18%
Nursing Facility										
Number of harm I reports	4	1	0	1	1	3	5	1	1	1
Total nursing facility reports	37	21	13	9	170	184	182	91	21	17
Percentage of total reports	11%	5%	0%	11%	1%	2%	3%	1%	5%	6%
Pharmacy										

Number of harm I reports		0	0	0	0	0	0	0	0	0
Total pharmacy reports		1	1	84	99	28	15	24	2	13
Percentage of total reports		0%	0%	0%	0%	0%	0%	0%	0%	0%

Event Type by Harm by Segment

Table 4. Event Type by Harm, Ambulatory Surgery Centers, 2018

Event Type	Harm Category									
	Less Serious or No Harm					Serious or No Harm				
	A	B	C	D	E	F	G	H	I	
Anesthesia			1			1				
Aspiration					1	4	1	2		
Care delay	1									
Contaminated drugs, devices or biologics						1				
Device or supply			1	1	1		1			
Fall			1	1	3					
Healthcare-associated infection (HAI)					5	9				
Medication or other substance			1	2	1					
Other	2			1						
Restraint or bedrail related					1					
Unintended retained foreign object						1				
Surgical or other invasive procedure	1	1	2	4	3	37		5		
Total Reports in Harm Category	4	1	6	9	15	53	2	7	0	

Table 5. Event Type by Harm, Hospitals, 2018

Event Type	Harm Category									
	Less Serious or No Harm					Serious Harm or Death				
	A	B	C	D	E	F	G	H	I	
Air embolism				1						1
Anesthesia					2	1				
Aspiration										2
Blood or blood product	1									
Care delay	1		8	3		1	3	3	14	
Contaminated drugs, devices or biologics	1			2						
Device or supply		3	4	1	3	3				1
Electric shock		1								
Elopement				2						
Failure to follow up test results		2	1			2		1	1	
Fall			2		2	13				2
Healthcare-associated infection (HAI)	2		1		4	20	1			2
Irretrievable loss of irreplaceable specimen			4			1				
Maternal				1		5	1	2		
Medication or other substance	2		9		2	2		4	1	
Other	1	2		1	1	3				1
Perinatal	2					2				4

Event Type	Harm Category									
	Less Serious or No Harm					Serious Harm or Death				
	A	B	C	D	E	F	G	H	I	
Pressure ulcer			1			2	4			
Radiologic			1							
Unintended retained foreign object		1	4	2		3	2			
Suicide or attempted suicide		1		2	1	2				4
Surgical or other invasive procedure			1	2	2	2		1		4
Total Reports in Harm Category	10	10	36	17	17	62	11	11		37

Table 6. Event Type by Harm, Nursing Facilities, 2018

Event Type	Harm Category									
	Less Serious or No Harm					Serious Harm or Death				
	A	B	C	D	E	F	G	H	I	
Care delay										1
Elopement			1	1						
Fall					2	6	1			
Medication or other substance			2	1			1			
Pressure ulcer					1					
Total Report in Harm Category	0	0	3	2	3	6	2	0		1

Table 7. Event Type by Harm, Pharmacies, 2018

Event Type	Harm Category									
	Less Serious or No Harm					Serious Harm or Death				
	A	B	C	D	E	F	G	H	I	
Medication or other substance	1	1	10	1						
Total Reports in Harm Category	1	1	10	1	0	0	0	0		0

Appendix III. Event Locations

Table 8. Event Locations by Segment, 2018

Location	ASC	Hospital	Nursing Facility	Pharmacy	All Segments
	(n=96)	(n=209)	(n=17)	(n=13)	(n=335)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Operating/procedure room	61 (64%)	34 (16%)			95 (28%)
Inpatient (adult)		64 (31%)			64 (19%)
Emergency department		26 (12%)			26 (8%)
Other location	4 (4%)	21 (10%)	0 (0%)		25 (7%)
Critical care (adult)		18 (9%)			18 (5%)
Patient home, post discharge	15 (16%)				16 (5%)
Labor and delivery		16 (8%)			16 (4%)
Pharmacy				13 (100%)	13 (4%)
Resident room			13 (76%)		13 (4%)
Post anesthesia care unit	10 (10%)				10 (3%)
Preop area	6 (6%)	3 (1%)			9 (3%)
Mother/baby		6 (3%)			6 (2%)
Day/ambulatory surgery		4 (2%)			4 (1%)
Critical care (pediatric, NICU)		4 (2%)			4 (1%)
Bathroom (toileting, bathing, tub/shower room)	0 (0%)	3 (1%)	1 (6%)		4 (1%)
Radiology/imaging		2 (1%)			2 (1%)
Other area within the facility			2 (12%)		2 (1%)
Laboratory (including pathology department and blood bank)		2 (1%)			2 (1%)
Diagnostic/procedure area		2 (1%)			2 (1%)
Inpatient (pediatric, nursery)		1 (0.5%)			1 (0.3%)
Rehab/therapy room		1 (0.5%)	0 (0%)		1 (0.3%)
Outside area			1 (6%)		1 (0.3%)
Swing bed		1 (0.5%)			1 (0.3%)
Behavioral health		1 (0.5%)			1 (0.3%)
Activity/recreation room			0 (0%)		0 (0%)
Dining room			0 (0%)		0 (0%)

Other event locations:

8 – Ambulatory setting

5 – Patient home, post discharge from hospital

2 – Multiple units in one facility

2 – Post-surgery room

2 – Hallway

2 – Other radiology unit

1 – Patient home (pre-arrival)

1 – Home health

1 – Neurology unit

1 – Registration

Appendix IV. Contributing Factors

The Patient Safety Reporting Program asks reporters to specify whether each of the seven contributing factor categories applies to their adverse event. The denominators in each table are the number of reports in each segment that marked at least one factor in that category.

Contributing Factor Categories

Table 9. Contributing Factor Categories by Segment, 2018

Categories	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=96)	(n=209)	(n=17)	(n=13)	(n=335)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Communication	21 (22%)	118 (56%)	12 (71%)	2 (15%)	153 (46%)
Policy or procedure	22 (23%)	112 (54%)	11 (65%)	0 (0%)	145 (43%)
Patient management	37 (39%)	92 (44%)	9 (53%)		138 (43%)
Organizational	22 (23%)	97 (46%)	8 (47%)	7 (54%)	134 (40%)
Patient	24 (25%)	86 (41%)	11 (65%)	0 (0%)	121 (36%)
Device or supply	16 (17%)	82 (39%)	7 (41%)	0 (0%)	105 (31%)
Human and environment	13 (14%)	60 (29%)	5 (29%)	1 (8%)	79 (24%)
Computer systems				2 (15%)	2 (15%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Communication Factors

Figure 1. Percent of Reports that Selected at Least One Communication Factor by Segment, 2012-2018

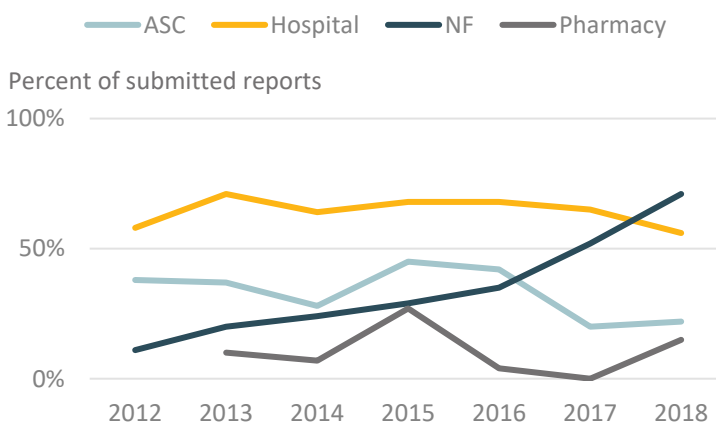


Table 10. Patient/Family Communication Factors by Segment, 2018

Patient/Family Communication Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=21) Number (%)	(n=118) Number (%)	(n=12) Number (%)	(n=2) Number (%)	(n=153) Number (%)
Miscommunication	2 (10%)	6 (5%)	1 (8%)		9 (6%)
Understanding discharge instructions or plan	3 (14%)	2 (2%)			5 (4%)
Language	0 (0%)	2 (2%)	1 (8%)	0 (0%)	3 (2%)
Culture	0 (0%)	2 (2%)	0 (0%)	0 (0%)	2 (1%)
Patient did not use call light	0 (0%)	0 (0%)	2 (17%)		2 (1%)
Other patient/family communication factors	1 (5%)	2 (2%)	0 (0%)	0 (0%)	3 (2%)
Between pharmacy staff & patient				1 (50%)	1 (50%)
Patient unable to communicate	0 (0%)	0 (0%)	1 (8%)		1 (1%)
Misinterpreted directions				0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Other patient/family communication factors:

- 1 – Missed opportunity to solicit or provide information about an allergy
- 1 – Between patient and staff other than miscommunication
- 1 – Patient and family did not notice warning sign on device, supply, or equipment

Table 11. Healthcare Team Communication Factors by Segment, 2018

Healthcare Team Communication Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=21) Number (%)	(n=118) Number (%)	(n=12) Number (%)	(n=2) Number (%)	(n=153) Number (%)
Among interdisciplinary teams	4 (19%)	65 (55%)	3 (25%)		72 (48%)
Between providers and staff	8 (38%)	61 (52%)			69 (50%)
Handoffs, handovers, or shift reports	3 (14%)	36 (31%)	5 (42%)		44 (29%)
Across units	2 (10%)	23 (19%)	0 (0%)		25 (17%)
With other organizations or outside providers†	7 (33%)	12 (10%)	4 (33%)	1 (50%)	24 (16%)
Within units	1 (5%)	20 (17%)	2 (17%)		23 (15%)
Between supervisor and staff	0 (0%)	9 (8%)	1 (8%)		10 (7%)
Among pharmacy staff				1 (50%)	1 (50%)
Other healthcare team communication factors	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Between manager or pharmacist and staff				0 (0%)	0 (0%)
Hard to read fax or handwriting	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

† Pharmacies see "With prescribing provider or other outside organizations"

Device, Equipment, or Supply Factors

Figure 2. Percent of Reports that Selected at Least One Device, Equipment, or Supply Factor by Segment, 2012-2018

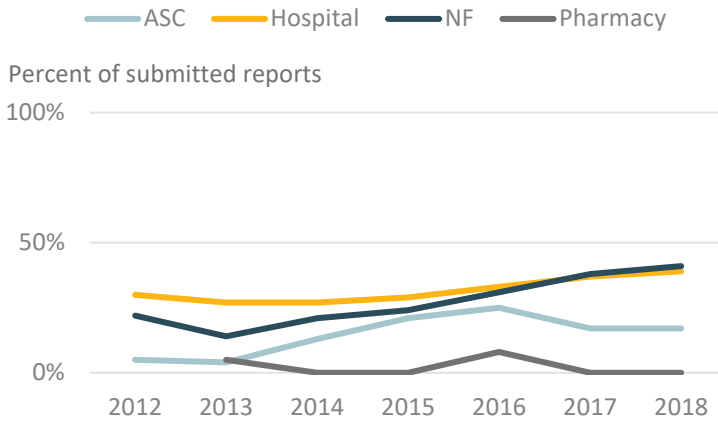


Table 12. Device, Equipment, or Supply Factors by Segment, 2018

Device, Equipment, or Supply Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=16)	(n=82)	(n=7)	(n=105)
	Number (%)	Number (%)	Number (%)	Number (%)
Use or selection by healthcare provider or staff	5 (31%)	36 (44%)	3 (43%)	44 (42%)
Design	4 (25%)	27 (33%)	3 (43%)	34 (32%)
Function	7 (44%)	15 (18%)	1 (14%)	23 (22%)
Availability	1 (6%)	16 (20%)	0 (0%)	17 (16%)
Maintenance	2 (13%)	15 (18%)	0 (0%)	17 (16%)
Use by patient (or resident)	0 (0%)	7 (9%)	2 (29%)	9 (9%)
Shortages	1 (6%)	5 (6%)	0 (0%)	6 (6%)
Other device, equipment, or supply factors	0 (0%)	0 (0%)	0 (0%)	0 (0%)

Pharmacies were excluded from this table because they did not indicate *device, equipment, or supply* factors on any submissions.

Human or Environmental Factors

Figure 3. Percent of Reports that Selected at Least One Human or Environmental Factor by Segment, 2012-2018

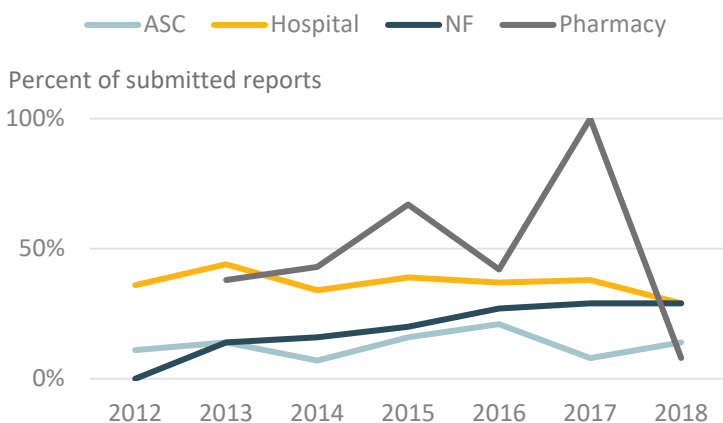


Table 13. Human or Environmental Factors by Segment, 2018

Human or Environmental Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments
	(n=13)	(n=60)	(n=5)	(n=1)	(n=79)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Interruptions or distractions	6 (46%)	29 (48%)	2 (40%)	1 (100%)	38 (48%)
Provider or staff stress	3 (23%)	21 (35%)	2 (40%)	0 (0%)	26 (33%)
Work area design or specifications	5 (38%)	16 (27%)	0 (0%)	0 (0%)	21 (27%)
Alarm fatigue	2 (15%)	5 (8%)	1 (20%)	0 (0%)	8 (10%)
Other human or environmental factors	2 (15%)	3 (5%)	1 (20%)	0 (0%)	6 (8%)
Provider or staff fatigue	1 (8%)	4 (7%)	0 (0%)	0 (0%)	5 (6%)
Clutter	0 (0%)	4 (7%)	0 (0%)	0 (0%)	4 (5%)
Noise	2 (15%)	2 (3%)	0 (0%)	0 (0%)	4 (5%)
Provider or staff health issues	0 (0%)	1 (2%)	0 (0%)	0 (0%)	1 (1%)
Lighting	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)

Other human or environmental factors:

5 – Slip or lapse or mistake

1 – Improper air balance

Organizational Factors

Figure 4. Percent of Reports that Selected at Least One Organizational Factor by Segment, 2012-2018

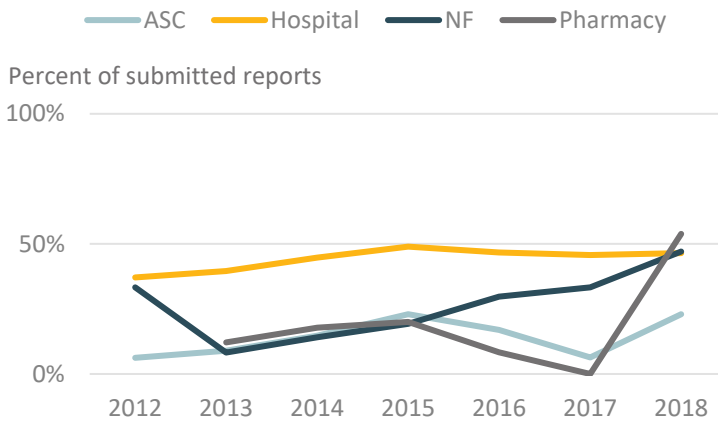


Table 14. Organizational Factors by Segment, 2018

Organizational Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=22) Number (%)	(n=97) Number (%)	(n=8) Number (%)	(n=7) Number (%)	(n=134) Number (%)
Job orientation or training	8 (36%)	28 (29%)	5 (63%)	7 (100%)	48 (36%)
Staff competencies	7 (32%)	35 (36%)	3 (38%)	0 (0%)	45 (34%)
Culture of safety	5 (23%)	28 (29%)	2 (25%)	0 (0%)	35 (26%)
Systems to identify risk	9 (41%)	21 (22%)	0 (0%)	0 (0%)	30 (22%)
Supervision			3 (38%)	0 (0%)	3 (20%)
Clinical supervision	3 (14%)	20 (21%)			23 (19%)
Work assignment or allocation	2 (9%)	16 (16%)	0 (0%)	0 (0%)	18 (13%)
Staffing level	1 (5%)	10 (10%)	1 (13%)	0 (0%)	12 (9%)
Management or leadership skills	1 (5%)	6 (6%)	0 (0%)	0 (0%)	7 (5%)
Internal reporting	1 (5%)	3 (3%)	2 (25%)	0 (0%)	6 (4%)
Temporary staffing	0 (0%)	3 (3%)	1 (13%)	0 (0%)	4 (3%)
Managerial supervision	2 (9%)	1 (1%)			3 (3%)
Other organizational factors	1 (5%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)
Adequacy of budget	0 (0%)	1 (1%)	0 (0%)	0 (0%)	1 (1%)
Patient wait or prescription backlog				0 (0%)	0 (0%)
Production pressures				0 (0%)	0 (0%)
Temporary or new staffing				0 (0%)	0 (0%)
Staff turnover			0 (0%)	0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Other organizational factors:

1 – Management turnover

Policy or Procedure Factors

Figure 5. Percent of Reports that Selected at Least One Policy or Procedure Factor by Segment, 2012-2018

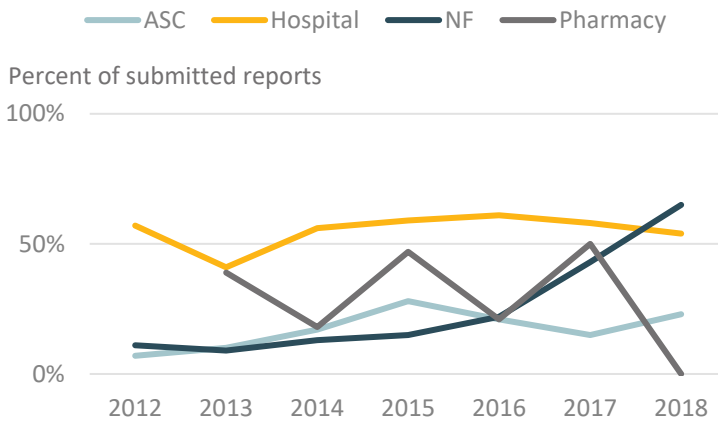


Table 15. Policy or Procedure Factors by Segment, 2018

	ASC (n=22) Number (%)	Hospital (n=112) Number (%)	Nursing Facility (n=11) Number (%)	All Segments (n=145) Number (%)
Staff or providers unfamiliar with policy or procedure	7 (32%)	38 (34%)	8 (73%)	53 (37%)
Clarity of policy or procedure	10 (45%)	38 (34%)	1 (9%)	49 (34%)
Policy or procedure absent	4 (18%)	30 (27%)	0 (0%)	34 (23%)
Work around more efficient	3 (14%)	20 (18%)	3 (27%)	26 (18%)
Other policy or procedure factors	2 (9%)	7 (6%)	0 (0%)	9 (6%)
Too cumbersome	0 (0%)	6 (5%)	1 (9%)	7 (5%)

Pharmacies were excluded from this table because they did not indicate *policy or procedure* factors on any submissions.

Other policy or procedure factors:

5 – Did not follow policy or procedure with no further investigation of why

1 – Inconsistent policies or procedures across organization

1 – Staff uncomfortable following policy or procedure

1 – Inadequate documentation or explanation of policy or procedure

Patient Factors

Figure 6. Percent of Reports that Selected at Least One Patient Factor by Segment, 2012-2018

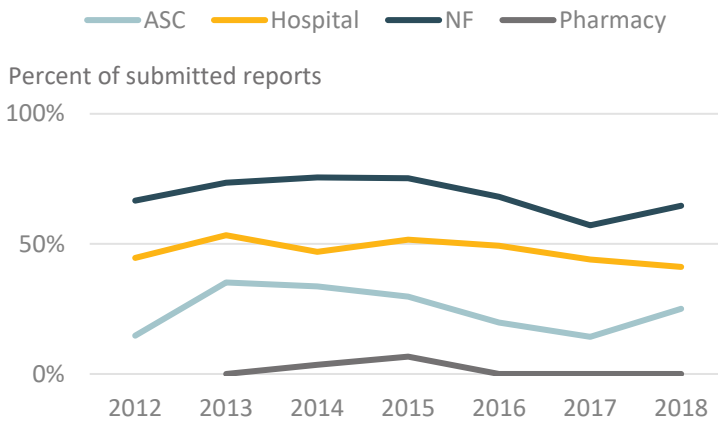


Table 16. Patient Factors by Segment, 2018

Patient Factors	ASC (n=24) Number (%)	Hospital (n=86) Number (%)	Nursing Facility (n=11) Number (%)	All Segments (n=121) Number (%)
Fragile health status	14 (58%)	49 (57%)	5 (45%)	68 (56%)
Physical limitations	4 (17%)	26 (30%)	8 (73%)	38 (31%)
Behavioral status	4 (17%)	20 (23%)	1 (9%)	25 (21%)
Mental status	0 (0%)	19 (22%)	5 (45%)	24 (20%)
Sensory impairment	2 (8%)	15 (17%)	5 (45%)	22 (18%)
Other patient factors	2 (8%)	6 (7%)	0 (0%)	8 (7%)
Family dynamics or relationships	0 (0%)	6 (7%)	1 (9%)	7 (6%)

Pharmacies were excluded from this table because they did not indicate *patient* factors on any submissions.

Other patient factors:

- 1 – Fragile skin
- 1 – Patient age
- 1 – Patient’s clothing or other personal belongings
- 1 – Patient comorbidities
- 1 – Patient concern for being a “bother”
- 1 – Patient exhaustion
- 1 – Physical violence
- 1 – Religious beliefs

Patient Management Factors

Figure 7. Percent of Reports that Selected at Least One Patient Management Factor by Segment, 2012-2018

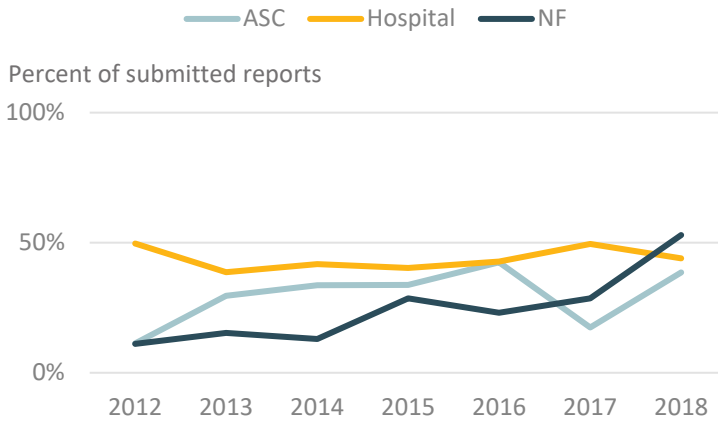


Table 17. Patient Management Factors by Segment, 2018

Patient Management Factors	ASC	Hospital	Nursing Facility	All Segments*
	(n=37) Number (%)	(n=92) Number (%)	(n=9) Number (%)	(n=138) Number (%)
Treatment or care plan	14 (38%)	42 (46%)		56 (43%)
Response to changing condition	13 (35%)	39 (42%)	2 (22%)	54 (39%)
Patient or risk assessment	10 (27%)	23 (25%)	3 (33%)	36 (26%)
Follow-up care	13 (35%)	14 (15%)	3 (33%)	30 (22%)
Initial diagnosis	1 (3%)	13 (14%)	2 (22%)	16 (12%)
Implementation of care plan			1 (11%)	1 (11%)
Other patient management factors	0 (0%)	1 (1%)	0 (0%)	1 (1%)
Accuracy of care plan			0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

The category Patient Management is not available to pharmacies.

Other patient management factors:

1 – Patient consent process

Appendix V. Detailed Data Tables by Segment

When completing a report, healthcare facilities identify a specific type of adverse event. For six event types, facilities are asked to further specify a sub-type within the chosen event type (e.g., specifying that the kind of *medication or other substance* event was an *incorrect dose*).

Anesthesia Events

Table 18. Anesthesia Event Sub-Types by Segment, 2018

Anesthesia Event Sub-Type	ASC	Hospital	Both Segments
	(n=2)	(n=3)	(n=5)
	Number (%)	Number (%)	Number (%)
Incorrect site anesthesia	1 (50%)	3 (100%)	4 (80%)
Difficulty managing airway	1 (50%)	0 (0%)	1 (20%)
Awareness (during anesthesia)	0 (0%)	0 (0%)	0 (0%)
Malignant hyperthermia	0 (0%)	0 (0%)	0 (0%)
Other anesthesia event sub-type	0 (0%)	0 (0%)	0 (0%)
Over sedation	0 (0%)	0 (0%)	0 (0%)
Physical injury	0 (0%)	0 (0%)	0 (0%)

Reporters may select multiple anesthesia event types in a single report, so percentages may add to more than 100.

Table 19. “Was a Briefing Conducted Prior to the Induction of Anesthesia?” by Segment, 2018

	ASC	Hospital	Both Segments
	(n=2)	(n=3)	(n=5)
	Number (%)	Number (%)	Number (%)
Yes, a briefing was conducted	1 (50%)	2 (67%)	3 (60%)
No, a briefing was not conducted	0 (0%)	1 (33%)	1 (20%)
Unknown or did not respond	1 (50%)	0 (0%)	1 (20%)

Table 20. Type of Airway Management Problem by Segment, 2018

Airway Management Problem	ASC	Hospital	Both Segments
	(n=1)	(n=0)	(n=1)
	Number (%)	Number (%)	Number (%)
Other airway management problem	1 (100%)		1 (100%)
Difficulty during tracheal intubation	0 (0%)		0 (0%)
Difficulty maintaining airway during procedure	0 (0%)		0 (0%)
Esophageal intubation	0 (0%)		0 (0%)
Re-intubation, following unplanned/unintended extubation, in the operating or recovery room	0 (0%)		0 (0%)

Other airway management problems:

1 – Laryngospasm, bronchospasms following extubation

Blood or Blood Product Events

Table 21. Blood or Blood Product Event Sub-Types by Segment, 2018

Blood or Blood Product Event Sub-Type	ASC	Hospital	Both Segments
	(n=0)	(n=1)	(n=1)
	Number (%)	Number (%)	Number (%)
Incorrect sequence of administration of products		1 (100%)	1 (100%)
Adverse reaction		0 (0%)	0 (0%)
Incorrect product		0 (0%)	0 (0%)
Use of expired or unacceptably stored products		0 (0%)	0 (0%)
Incorrect patient		0 (0%)	0 (0%)
Incorrect ABO/Rh type		0 (0%)	0 (0%)
Other blood or blood product event		0 (0%)	0 (0%)

Reporters may select multiple blood event event types in a single report, so percentages may add to more than 100.

Care Delay

Table 22. Care Delay Event Locations by Segment, 2018

Location	ASC	Hospital	Nursing Facility	All Segments*
	(n=1)	(n=33)	(n=1)	(n=35)
	Number (%)	Number (%)	Number (%)	Number (%)
Inpatient (adult)		11 (33%)		11 (33%)
Emergency department		9 (27%)		9 (27%)
Operating/procedure room	0 (0%)	3 (9%)		3 (9%)
Critical care (adult)		3 (9%)		3 (9%)
Other location	0 (0%)	2 (6%)	0 (0%)	2 (6%)
Preop area	1 (100%)	1 (3%)		2 (6%)
Resident room			1 (100%)	1 (100%)
Labor and delivery		1 (3%)		1 (3%)
Mother/baby		1 (3%)		1 (3%)
Day/ambulatory surgery		1 (3%)		1 (3%)
Laboratory (including pathology department and blood bank)		1 (3%)		1 (3%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Other care delay locations:

1 – Patient home, post discharge from hospital

1 – Ambulatory setting

Care Delay Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 23. Care Delay Contributing Factor Categories by Segment, 2018

Categories	ASC	Hospital	Nursing Facility	All Segments
	(n=1)	(n=33)	(n=1)	(n=35)
	Number (%)	Number (%)	Number (%)	Number (%)
Communication	1 (100%)	29 (88%)	1 (100%)	31 (89%)
Policy or procedure	1 (100%)	20 (61%)	1 (100%)	22 (63%)
Patient management	1 (100%)	20 (61%)	1 (100%)	22 (63%)
Organizational	1 (100%)	15 (45%)	1 (100%)	17 (49%)
Patient	0 (0%)	15 (45%)	1 (100%)	16 (46%)
Human and environment	0 (0%)	10 (30%)	1 (100%)	11 (31%)
Device or supply	0 (0%)	5 (15%)	0 (0%)	5 (14%)

Table 24. Care Delay Patient/Family Communication Factors by Segment, 2018

Patient/Family Communication Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=1)	(n=29)	(n=1)	(n=31)
	Number (%)	Number (%)	Number (%)	Number (%)
Language	0 (0%)	1 (3%)	0 (0%)	1 (3%)
Miscommunication	0 (0%)	1 (3%)	0 (0%)	1 (3%)

Table 25. Care Delay Healthcare Team Communication Factors by Segment, 2018

Healthcare Team Communication Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=1)	(n=29)	(n=1)	(n=31)
	Number (%)	Number (%)	Number (%)	Number (%)
Among interdisciplinary teams	0 (0%)	18 (62%)	1 (100%)	19 (61%)
Between providers and staff	0 (0%)	15 (52%)	0 (0%)	15 (48%)
Handoffs, handovers, or shift reports	0 (0%)	10 (34%)	0 (0%)	10 (32%)
With other organizations or outside providers	1 (100%)	6 (21%)	1 (100%)	8 (26%)
Across units	1 (100%)	6 (21%)	0 (0%)	7 (23%)
Within units	0 (0%)	5 (17%)	0 (0%)	5 (16%)
Between supervisor and staff	0 (0%)	1 (3%)	0 (0%)	1 (3%)
Other healthcare team communication factors	0 (0%)	1 (3%)	0 (0%)	1 (3%)

Table 26. Care Delay Device, Equipment, or Supply Factors by Segment, 2018

	ASC (n=0)	Hospital (n=5)	Nursing Facility (n=0)	All Segments (n=5)
Device, Equipment or Supply Factors	Number (%)	Number (%)	Number (%)	Number (%)
Use or selection by healthcare provider or staff		5 (100%)		5 (100%)
Availability		1 (20%)		1 (20%)
Maintenance		1 (20%)		1 (20%)

Table 27. Care Delay Human or Environmental Factors by Segment, 2018

	ASC (n=0)	Hospital (n=10)	Nursing Facility (n=1)	All Segments (n=11)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)	Number (%)
Interruptions or distractions		5 (50%)	0 (0%)	5 (45%)
Provider or staff stress		4 (40%)	0 (0%)	4 (36%)
Alarm fatigue		1 (10%)	1 (100%)	2 (18%)
Work area design or specifications		2 (20%)	0 (0%)	2 (18%)
Clutter		1 (10%)	0 (0%)	1 (9%)

Table 28. Care Delay Organizational Factors by Segment, 2018

	ASC (n=1)	Hospital (n=15)	Nursing Facility (n=1)	All Segments (n=17)
Organizational Factors	Number (%)	Number (%)	Number (%)	Number (%)
Staff competencies	1 (100%)	5 (33%)	1 (100%)	7 (41%)
Job orientation or training	1 (100%)	6 (40%)	0 (0%)	7 (41%)
Staffing level	0 (0%)	4 (27%)	0 (0%)	4 (24%)
Systems to identify risk	1 (100%)	3 (20%)	0 (0%)	4 (24%)
Work assignment or allocation	0 (0%)	3 (20%)	0 (0%)	3 (18%)
Clinical supervision	0 (0%)	2 (13%)	0 (0%)	2 (12%)
Culture of safety	0 (0%)	2 (13%)	0 (0%)	2 (12%)
Management or leadership skills	0 (0%)	1 (7%)	0 (0%)	1 (6%)

Table 29. Care Delay Policy or Procedure Factors by Segment, 2018

Policy or Procedure Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=1) Number (%)	(n=20) Number (%)	(n=1) Number (%)	(n=22) Number (%)
Policy or procedure absent	1 (100%)	9 (45%)	0 (0%)	10 (45%)
Staff or providers unfamiliar with policy or procedure	0 (0%)	5 (25%)	1 (100%)	6 (27%)
Work around more efficient	0 (0%)	3 (15%)	0 (0%)	3 (14%)
Clarity of policy or procedure	0 (0%)	2 (10%)	0 (0%)	2 (9%)
Too cumbersome	0 (0%)	1 (5%)	0 (0%)	1 (5%)
Other policy or procedure factors	0 (0%)	1 (5%)	0 (0%)	1 (5%)

Table 30. Care Delay Patient Factors by Segment, 2018

Patient Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=0) Number (%)	(n=15) Number (%)	(n=1) Number (%)	(n=16) Number (%)
Fragile health status		10 (67%)	1 (100%)	11 (69%)
Mental status		5 (33%)	0 (0%)	5 (31%)
Physical limitations		5 (33%)	0 (0%)	5 (31%)
Behavioral status		2 (13%)	0 (0%)	2 (13%)
Family dynamics or relationships		1 (7%)	0 (0%)	1 (6%)
Sensory impairment		1 (7%)	0 (0%)	1 (6%)

Table 31. Care Delay Patient Management Factors by Segment, 2018

Patient Management Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=1) Number (%)	(n=20) Number (%)	(n=1) Number (%)	(n=22) Number (%)
Response to changing condition	0 (0%)	13 (65%)	1 (100%)	14 (64%)
Treatment or care plan	0 (0%)	8 (40%)	0 (0%)	8 (36%)
Initial diagnosis	0 (0%)	6 (30%)	0 (0%)	6 (27%)
Patient or risk assessment	0 (0%)	3 (15%)	0 (0%)	3 (14%)
Follow-up care	1 (100%)	1 (5%)	0 (0%)	2 (9%)

Contaminated Drugs, Devices, or Biologics Event

Table 32. “Was the Event Reported to MedWatch?” by Segment, 2018

	ASC (n=1) Number (%)	Hospital (n=3) Number (%)	Both Segments (n=4) Number (%)
Yes, the event was reported to the FDA	0 (0%)	0 (0%)	0 (0%)
No, the event was not reported to the FDA	0 (0%)	2 (67%)	2 (50%)
Did not respond	1 (100%)	1 (33%)	2 (50%)

Device, Equipment, or Supply Events

Table 33. Device, Equipment, or Supply Event Sub-Types by Segment, 2018

Device, Equipment, or Supply Event Sub-Type	ASC (n=4) Number (%)	Hospital (n=15) Number (%)	Nursing Facility (n=0) Number (%)	All Segments (n=19) Number (%)
Use error	4 (100%)	8 (53%)		12 (63%)
Device or supply failure	1 (25%)	5 (33%)		6 (32%)
Device or supply not available	0 (0%)	2 (13%)		2 (11%)
Other device or supply event	0 (0%)	1 (7%)		1 (5%)
Unknown	0 (0%)	1 (7%)		1 (5%)
Device or supply expired	0 (0%)	0 (0%)		0 (0%)

Reporters may select multiple anesthesia event types in a single report, so percentages may add to more than 100.

Other device, equipment or supply events:

1 –Device default setting issue

Table 34. Type of Device, Equipment, or Supply Involved by Segment, 2018

Device, Equipment, or Supply Type	ASC (n=4) Number (%)	Hospital (n=15) Number (%)	Both Segments (n=19) Number (%)
Supply, including disposable product	2 (50%)	8 (53%)	10 (53%)
Equipment (e.g., non-implantable device)	1 (25%)	7 (47%)	8 (42%)
Implantable device	1 (25%)	0 (0%)	1 (5%)

Specific Devices

- Ambu bag
- Cardiopulmonary bypass machine
- Cautery unit
- Co2 laser
- Digital video recorder
- Endoscopy equipment (PEG tube)
- Foley catheter
- Halogen lightbulb
- Home oxygen bottle
- Hot pack
- Ice pack
- Implant screw
- Jejunostomy tube
- Medical tape
- Nasal trumpet
- Patient monitor
- Pigtail catheter
- Radio phone
- Telemetry monitor

Table 35. Device, Equipment, or Supply Event Locations by Segment, 2018

Location	ASC	Hospital	Both Segments*
	(n=4) Number (%)	(n=15) Number (%)	(n=19) Number (%)
Operating/procedure room	3 (75%)	5 (33%)	8 (42%)
Inpatient (adult)		4 (27%)	4 (27%)
Emergency department		3 (20%)	3 (20%)
Critical care (adult)		2 (13%)	2 (13%)
Post anesthesia care unit	1 (25%)	0 (0%)	1 (5%)
Day/ambulatory surgery		1 (7%)	1 (7%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 36. "Was the Event Reported to MedWatch?" by Segment, 2018

	ASC	Hospital	Both Segments
	(n=4) Number (%)	(n=15) Number (%)	(n=19) Number (%)
Yes, the event was reported to the FDA	0 (0%)	0 (0%)	0 (0%)
No, the event was not reported to the FDA	1 (25%)	7 (47%)	8 (42%)
Did not respond	3 (75%)	8 (53%)	11 (58%)

Device or Supply Event Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 37. Device, Equipment, or Supply Contributing Factor Categories by Segment, 2018

Categories	ASC	Hospital	Both Segments
	(n=4) Number (%)	(n=15) Number (%)	(n=19) Number (%)
Device or supply	2 (50%)	15 (100%)	17 (89%)
Policy or procedure	2 (50%)	7 (47%)	9 (47%)
Communication	2 (50%)	5 (33%)	7 (37%)
Organizational	2 (50%)	5 (33%)	7 (37%)
Human and environment	0 (0%)	4 (27%)	4 (21%)
Patient	1 (25%)	2 (13%)	3 (16%)
Patient management	2 (50%)	1 (7%)	3 (16%)

Table 38. Device, Equipment, or Supply Event Patient/Family Communication Factors by Segment, 2018

	ASC (n=2)	Hospital (n=5)	Both Segments (n=7)
Patient/Family Communication Factors	Number (%)	Number (%)	Number (%)
Miscommunication	1 (50%)	0 (0%)	1 (14%)
Other patient/family communication factors	0 (0%)	1 (20%)	1 (14%)

Table 39. Device, Equipment, or Supply Event Healthcare Team Communication Factors by Segment, 2018

	ASC (n=2)	Hospital (n=5)	Both Segments (n=7)
Healthcare Team Communication Factors	Number (%)	Number (%)	Number (%)
Across units	0 (0%)	2 (40%)	2 (29%)
Among interdisciplinary teams	0 (0%)	2 (40%)	2 (29%)
Between providers and staff	0 (0%)	1 (20%)	1 (14%)
Between supervisor and staff	0 (0%)	1 (20%)	1 (14%)
Handoffs, handovers or shift reports	1 (50%)	0 (0%)	1 (14%)
Within units	0 (0%)	1 (20%)	1 (14%)
With other organizations or outside providers	1 (50%)	0 (0%)	1 (14%)

Table 40. Device, Equipment, or Supply Event Device, Equipment, or Supply Factors by Segment, 2018

	ASC (n=2)	Hospital (n=15)	Both Segments (n=17)
Device, Equipment, or Supply Factors	Number (%)	Number (%)	Number (%)
Use or selection by healthcare provider or staff	2 (100%)	7 (47%)	9 (53%)
Function	1 (50%)	6 (40%)	7 (41%)
Design	0 (0%)	6 (40%)	6 (35%)
Maintenance	0 (0%)	3 (20%)	3 (18%)
Availability	0 (0%)	2 (13%)	2 (12%)
Use by patient (or resident)	0 (0%)	1 (7%)	1 (6%)

Table 41. Device, Equipment, or Supply Event Human or Environmental Factors by Segment, 2018

	ASC (n=0)	Hospital (n=4)	Both Segments (n=4)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)
Provider or staff stress	0 (0%)	2 (50%)	2 (50%)
Alarm fatigue	0 (0%)	1 (25%)	1 (25%)
Interruptions or distractions	0 (0%)	1 (25%)	1 (25%)
Work area design or specifications	0 (0%)	1 (25%)	1 (25%)

Table 42. Device, Equipment, or Supply Event Organizational Factors by Segment, 2018

Organizational Factors	ASC	Hospital	Both Segments
	(n=2)	(n=5)	(n=7)
	Number (%)	Number (%)	Number (%)
Job orientation or training	1 (50%)	2 (40%)	3 (43%)
Clinical supervision	0 (0%)	2 (40%)	2 (29%)
Staff competencies	1 (50%)	1 (20%)	2 (29%)
Systems to identify risk	0 (0%)	2 (40%)	2 (29%)
Culture of safety	1 (50%)	0 (0%)	1 (14%)
Managerial supervision	0 (0%)	1 (20%)	1 (14%)
Work assignment or allocation	0 (0%)	1 (20%)	1 (14%)

Table 43. Device, Equipment, or Supply Event Policy or Procedure Factors by Segment, 2018

Policy or Procedure Factors	ASC	Hospital	Both Segments
	(n=2)	(n=7)	(n=9)
	Number (%)	Number (%)	Number (%)
Staff or providers unfamiliar with policy or procedure	2 (100%)	3 (43%)	5 (56%)
Policy or procedure absent	0 (0%)	3 (43%)	3 (33%)
Clarity of policy or procedure	0 (0%)	2 (29%)	2 (22%)
Work around more efficient	0 (0%)	1 (14%)	1 (11%)

Table 44. Device, Equipment, or Supply Event Patient Factors by Segment, 2018

Patient Factors	ASC	Hospital	Both Segments
	(n=1)	(n=2)	(n=3)
	Number (%)	Number (%)	Number (%)
Fragile health status	0 (0%)	2 (100%)	2 (67%)
Other patient factors	1 (100%)	0 (0%)	1 (33%)

Table 45. Device, Equipment, or Supply Event Patient Management Factors by Segment, 2018

Patient Management Factors	ASC	Hospital	Both Segments
	(n=2)	(n=1)	(n=3)
	Number (%)	Number (%)	Number (%)
Treatment or care plan	1 (50%)	1 (100%)	2 (67%)
Response to changing condition	1 (50%)	0 (0%)	1 (33%)

Falls

Table 46. Presence of a Documented Fall Risk Assessment by Segment, 2018

	Hospital (n=19)	Nursing Facility (n=9)	Both Segments (n=28)
Was a fall risk assessment documented?	Number (%)	Number (%)	Number (%)
Documented	16 (84%)	9 (100%)	25 (89%)
Not documented	3 (16%)	0 (0%)	3 (11%)

This question is not asked of ASCs.

Table 47. Level of Patient Fall Risk by Segment, 2018

	Hospital (n=19)	Nursing Facility (n=9)	Both Segments (n=28)
Was the patient assessed to be at any level of risk for a fall?	Number (%)	Number (%)	Number (%)
Patient at any level of risk for fall	15 (79%)	9 (100%)	24 (86%)
Patient not at any level of risk for fall	4 (21%)	0 (0%)	4 (14%)
Patient's status unknown or unassessed	0 (0%)	0 (0%)	0 (0%)

This question is not asked of ASCs. All hospital reports are asked the follow-up question regardless of their answer to the question "was fall risk assessment documented." Nursing facilities are only asked this follow-up question if a fall risk assessment was documented.

Table 48. Reason for Most Recent Fall Assessment by Segment, 2018

	Hospital (n=16)	Nursing Facility (n=9)	Both Segments (n=25)
Assessment reason	Number (%)	Number (%)	Number (%)
Routine or daily shift assessment	13 (81%)	0 (0%)	13 (52%)
New patient/resident assessment	2 (13%)	4 (44%)	6 (24%)
Quarterly assessment period	0 (0%)	5 (56%)	5 (20%)
Other reason	1 (6%)	0 (0%)	1 (4%)
Change of condition	0 (0%)	0 (0%)	0 (0%)
Unknown	0 (0%)	0 (0%)	0 (0%)

This question is not asked of ASCs.

Table 49. "Was the Patient on Medication Known to Increase Fall Risk at the Time of the Fall?" by Segment, 2018

	ASC (n=5)	Hospital (n=19)	Nursing Facility (n=9)	All Segments (n=33)
	Number (%)	Number (%)	Number (%)	Number (%)
No	2 (40%)	13 (68%)	5 (56%)	20 (61%)
Yes	3 (60%)	5 (26%)	4 (44%)	12 (36%)
Unknown or did not respond	0 (0%)	1 (5%)	0 (0%)	1 (3%)

Table 50. “Was the Medication Considered to Have Contributed to the Fall?” by Segment, 2018

	ASC (n=3) Number (%)	Hospital (n=5) Number (%)	Nursing Facility (n=4) Number (%)	All Segments (n=12) Number (%)
Unknown or did not respond	2 (67%)	5 (100%)	1 (25%)	8 (67%)
Yes	1 (33%)	0 (0%)	1 (25%)	2 (17%)
No	0 (0%)	0 (0%)	2 (50%)	2 (17%)

Table 51. Risk Factors Present at the Time of the Fall by If They Contributed to the Fall, Hospitals, 2018 (n=19)

Risk Factor	Present and Contributed Number (%)	Present but Did Not Contribute Number (%)	Not Present Number (%)	Not Present but Did Contribute Number (%)
Cognitive impairment	4 (21%)	2 (11%)	13 (68%)	0 (0%)
History of previous fall		10 (53%)	9 (47%)	0 (0%)
Mobility or gait impairment	6 (32%)	5 (26%)	8 (42%)	0 (0%)
Other factors	3 (16%)		14 (74%)	2 (11%)
Sensory impairment (vision, hearing, balance)	7 (37%)	1 (5%)	9 (47%)	2 (11%)
None		1 (5%)	16 (84%)	2 (11%)

Reporters may select multiple risk factors in a single report, so percentages may add to more than 100.

This question is not asked of ASCs.

Table 52. Risk Factors Present at the Time of the Fall by Whether They Contributed to the Fall, Nursing Facilities, 2018 (n=9)

Risk Factor	Present and Contributed Number (%)	Present but Did Not Contribute Number (%)	Not Present Number (%)	Not Present but Did Contribute Number (%)
Cognitive impairment	5 (56%)	1 (11%)	3 (33%)	0 (0%)
History of previous fall		4 (44%)	5 (56%)	0 (0%)
Mobility or gait impairment	8 (89%)	1 (11%)		0 (0%)
Other factors			9 (100%)	0 (0%)
Sensory impairment (vision, hearing, balance)	2 (22%)	2 (22%)	4 (44%)	1 (11%)
None			9 (100%)	0 (0%)

Reporters may select multiple risk factors in a single report, so percentages may add to more than 100.

This question is not asked of ASCs.

Table 53. Interventions in the Patient’s Care Plan at the Time of the Fall by Whether They Were in Use, Hospitals, 2018 (n=19)

Note: Not all interventions or protocols that were “in care plan only” and therefore not in use at the time of the fall could have prevented the fall. For example, a bed alarm cannot prevent a fall, it can only alert facility staff that the patient is out of bed. Not all interventions and protocols in this table are appropriate for all patients.

Intervention or Protocol	In Care Plan and in Use Number (%)	In Care Plan Only Number (%)	In Use Only Number (%)	Not Present Number (%)
Alarms (e.g., bed, chair, tab)	7 (37%)	3 (16%)		9 (47%)
Assistive devices	7 (37%)			12 (63%)
Bed in low position	14 (74%)			5 (26%)
Call light/personal items within reach	16 (84%)			3 (16%)
Change in medication			1 (5%)	18 (95%)
Fall alert	12 (63%)			7 (37%)
Hip and/or joint protectors				19 (100%)
Identified as a high fall risk				19 (100%)
Intentional rounding	9 (47%)	1 (5%)		9 (47%)
Non-slip floor mats				19 (100%)
Non-slip footwear	10 (53%)			9 (47%)
Patient and family education	13 (68%)			6 (32%)
Patient situated close to the nurses' station	6 (32%)			13 (68%)
Physical/occupational therapy	3 (16%)			16 (84%)
Siderails or assist rails	10 (53%)			9 (47%)
Sitter				19 (100%)
Supplemental, environmental or area lighting				19 (100%)
Toileting regimen	5 (26%)			14 (74%)
None	2 (11%)	1 (5%)		16 (84%)
Unknown				19 (100%)
Other intervention or protocol	1 (5%)		1 (5%)	17 (89%)

Reporters may select multiple interventions in a single report, so percentages may add to more than 100.

This question is not asked of ASCs.

Table 54. Interventions in The Patient’s Care Plan at the Time of the Fall by Whether They Were in Use, Nursing Facilities, 2018 (n=9)

Note: Not all interventions or protocols that were “in care plan only” and therefore not in use at the time of the fall could have prevented the fall. For example, a bed alarm cannot prevent a fall, it can only alert facility staff that the patient is out of bed. Not all interventions and protocols in this table are appropriate for all patients.

Intervention or Protocol	In Care Plan and In Use Number (%)	In Care Plan Only Number (%)	In Use Only Number (%)	Not Present Number (%)
Alarms (e.g., bed, chair, tab)				9 (100%)
Assistive devices	5 (56%)	1 (11%)		3 (33%)
Bed in low position	4 (44%)			5 (56%)
Call light/personal items within reach	8 (89%)			1 (11%)
Change in medication				9 (100%)
Fall alert				9 (100%)
Hip and/or joint protectors				9 (100%)
Identified as a high fall risk	4 (44%)	2 (22%)		3 (33%)
Intentional rounding	1 (11%)	1 (11%)		7 (78%)
Non-slip floor mats	2 (22%)			7 (78%)
Non-slip footwear	4 (44%)			5 (56%)
Patient and family education	3 (33%)			6 (67%)
Patient situated close to the nurses' station	3 (33%)			6 (67%)
Physical/occupational therapy		1 (11%)		8 (89%)
Siderails or assist rails	2 (22%)			7 (78%)
Sitter				9 (100%)
Supplemental, environmental or area lighting	1 (11%)			8 (89%)
Toileting regimen	1 (11%)			8 (89%)
Visible identification of resident as being at risk for fall (e.g., falling star)				9 (100%)
None				9 (100%)
Unknown				9 (100%)
Other intervention or protocol				9 (100%)

Reporters may select multiple interventions in a single report, so percentages may add to more than 100.

This question is not asked of ASCs.

Table 55. Patient Activities Performed or Attempted at the Time of the Fall by Segment, 2018

Prior to the fall, what was the patient doing or trying to do?	ASC	Hospital	Nursing Facility	All Segments*
	(n=5) Number (%)	(n=19) Number (%)	(n=9) Number (%)	(n=33) Number (%)
Toileting-related activities	0 (0%)	5 (26%)	2 (22%)	7 (21%)
Walking without assistance and without an assistive device or medical equipment	2 (40%)	3 (16%)	0 (0%)	5 (15%)
Sleeping	0 (0%)	3 (16%)	1 (11%)	4 (12%)
Transferring to or from bed, chair, wheelchair, etc. with assistance	0 (0%)	1 (5%)	3 (33%)	4 (12%)
Dressing or undressing	3 (60%)	0 (0%)	0 (0%)	3 (9%)
Transferring to or from bed, chair, wheelchair, etc. without assistance	0 (0%)	2 (11%)	1 (11%)	3 (9%)
Reaching for an item	0 (0%)	1 (5%)	1 (11%)	2 (6%)
Standing or sitting	0 (0%)	2 (11%)	0 (0%)	2 (6%)
Changing position (e.g., in bed, chair, etc.)	0 (0%)	1 (5%)	0 (0%)	1 (3%)
Undergoing a diagnostic or therapeutic procedure	0 (0%)	1 (5%)		1 (4%)
Wheeling in wheelchair or scooter	0 (0%)	0 (0%)	1 (11%)	1 (3%)
Engaging in recreational activities			0 (0%)	0 (0%)
Navigating bedrails/siderails/assist rails	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Other	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Showering or bathing	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Walking with assistance and/or with an assistive device or medical equipment	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Unknown	0 (0%)	0 (0%)	0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 56. Patient Goals (Reason They Got up or Tried to Get up) by Segment, 2018

Patient Goals	ASC	Hospital	Nursing Facility	All Segments
	(n=5) Number (%)	(n=19) Number (%)	(n=9) Number (%)	(n=33) Number (%)
Unknown	4 (80%)	12 (63%)	1 (11%)	17 (52%)
Other goal	4 (80%)	6 (32%)	0 (0%)	10 (30%)
Toileting	0 (0%)	6 (32%)	2 (22%)	8 (24%)
Change location (e.g., move to another room, different chair)	1 (20%)	0 (0%)	3 (33%)	4 (12%)
Adjust controls in the environment (e.g., TV volume, heat)	1 (20%)	2 (20%)	0 (0%)	3 (9%)
Return to bed or chair	0 (0%)	0 (0%)	2 (22%)	2 (6%)
Retrieve a personal item (e.g., TV remote, cigarettes, clothing, medication)	0 (0%)	0 (0%)	1 (11%)	1 (11%)
Exercise (e.g., PT/OT)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Relieve hunger or thirst	0 (0%)	0 (0%)	0 (0%)	0 (0%)

Reporters may select multiple patient goals in a single report, so percentages may add to more than 100.

Table 57. Observed and Unobserved Falls by Segment, 2018

Was the fall observed or unobserved?	ASC	Hospital	Nursing Facility	All Segments
	(n=5) Number (%)	(n=19) Number (%)	(n=9) Number (%)	(n=33) Number (%)
Unobserved	3 (60%)	13 (68%)	6 (67%)	22 (67%)
Observed by staff (regardless of who else observed the fall)	1 (20%)	6 (32%)	3 (33%)	10 (30%)
Observed by visitor, family or another patient, but not staff	1 (20%)	0 (0%)	0 (0%)	1 (3%)

Table 58. Assisted and Unassisted Falls by Segment, 2018

Was the fall assisted or unassisted?	ASC	Hospital	Nursing Facility	All Segments
	(n=5) Number (%)	(n=19) Number (%)	(n=9) Number (%)	(n=33) Number (%)
Unassisted	5 (100%)	18 (95%)	6 (67%)	29 (88%)
Assisted	0 (0%)	1 (5%)	3 (33%)	4 (12%)

Table 59. Physical or Environmental Causes of Falls by Segment, 2018

Physical or environmental cause	ASC	Hospital	Nursing Facility	All Segments
	(n=5) Number (%)	(n=19) Number (%)	(n=9) Number (%)	(n=33) Number (%)
Loss of balance or footing	3 (60%)	7 (37%)	3 (33%)	13 (39%)
Unknown or did not respond	1 (20%)	6 (32%)	1 (11%)	8 (24%)
Device or equipment (e.g., walker rolled forward, wheelchair footrest broke)	0 (0%)	2 (11%)	4 (44%)	6 (18%)
Slip or trip	1 (20%)	2 (11%)	1 (11%)	4 (12%)
Patient condition (e.g., TIA, seizure)	0 (0%)	0 (0%)	2 (22%)	2 (6%)
Fell out of bed (e.g., rolled out of bed, slipped off a slippery mattress)	0 (0%)	1 (5%)	0 (0%)	1 (3%)
Tangled in cords, tubing, or similar	0 (0%)	1 (5%)	0 (0%)	1 (3%)
Legs or knees "gave out" or stiffened suddenly	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Loss of consciousness	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Other physical or environmental cause	0 (0%)	0 (0%)	0 (0%)	0 (0%)

Reporters may select multiple physical or environmental causes in a single report, so percentages may add to more than 100.

Table 60. Physical Injury Resulting from Fall by Segment, 2018

	ASC (n=5) Number (%)	Hospital (n=19) Number (%)	Nursing Facility (n=9) Number (%)	All Segments (n=33) Number (%)
Physical injury				
Physical injury	3 (60%)	16 (84%)	9 (100%)	28 (85%)
None	2 (40%)	2 (11%)	0 (0%)	4 (12%)
Unknown	0 (0%)	1 (5%)	0 (0%)	1 (3%)

Table 61. Type of Physical Injury Resulting from Fall by Segment, 2018

	ASC (n=3) Number (%)	Hospital (n=16) Number (%)	Nursing Facility (n=9) Number (%)	All Segments* (n=28) Number (%)
Physical injury				
Fracture	1 (33%)	11 (69%)	6 (67%)	18 (64%)
Abrasion or laceration not requiring sutures	1 (33%)	1 (6%)	1 (11%)	3 (11%)
Intracranial injury	0 (0%)	2 (13%)	1 (11%)	3 (11%)
Other injury	1 (33%)	2 (13%)	0 (0%)	3 (11%)
Skin tear, avulsion, hematoma or significant bruising		0 (0%)	1 (11%)	1 (4%)
Dislocation	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Laceration requiring sutures	0 (0%)	0 (0%)	0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 62. Fall Event Locations by Segment, 2018

	ASC (n=5) Number (%)	Hospital (n=19) Number (%)	Nursing Facility (n=9) Number (%)	All Segments* (n=33) Number (%)
Location				
Inpatient (adult)		11 (58%)		11 (58%)
Resident room			7 (78%)	7 (78%)
Post anesthesia care unit	3 (60%)	0 (0%)		3 (13%)
Bathroom (toileting, bathing, tub/shower room)	0 (0%)	2 (11%)	1 (11%)	3 (9%)
Other location	1 (20%)	1 (5%)	0 (0%)	2 (6%)
Other area within the facility (beauty/barber shop, elevator, hallway, nurses' station, stairs, etc.)			1 (11%)	1 (11%)
Critical care (adult)		1 (5%)		1 (5%)
Day/ambulatory surgery		1 (5%)		1 (5%)
Mother/baby		1 (5%)		1 (5%)
Swing bed		1 (5%)		1 (5%)
Operating/procedure room	0 (0%)	1 (5%)		1 (4%)
Preop area	1 (20%)	0 (0%)		1 (4%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Fall Event Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 63. Fall Contributing Factor Categories by Segment, 2018

Categories	ASC	Hospital	Nursing Facility	All Segments
	(n=5)	(n=19)	(n=9)	(n=33)
	Number (%)	Number (%)	Number (%)	Number (%)
Patient	3 (60%)	17 (89%)	7 (78%)	27 (82%)
Device or supply	1 (20%)	10 (53%)	6 (67%)	17 (52%)
Patient management	3 (60%)	8 (42%)	4 (44%)	15 (45%)
Organizational	3 (60%)	7 (37%)	3 (33%)	13 (39%)
Human and environment	2 (40%)	7 (37%)	2 (22%)	11 (33%)
Policy or procedure	2 (40%)	4 (21%)	5 (56%)	11 (33%)
Communication	0 (0%)	4 (21%)	5 (56%)	9 (27%)

Table 64. Fall Patient/Family Communication Factors by Segment, 2018

Patient/Family Communication Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=0)	(n=4)	(n=5)	(n=9)
	Number (%)	Number (%)	Number (%)	Number (%)
Patient did not use call light		1 (25%)	2 (40%)	2 (22%)
Understanding discharge instructions or plan		1 (25%)	0 (0%)	1 (11%)

Table 65. Fall Healthcare Team Communication Factors by Segment, 2018

Healthcare Team Communication Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=0)	(n=4)	(n=5)	(n=9)
	Number (%)	Number (%)	Number (%)	Number (%)
Among interdisciplinary teams		2 (50%)	1 (20%)	3 (33%)
Between providers and staff		2 (50%)	0 (0%)	0 (0%)
Between supervisor and staff		0 (0%)	1 (20%)	1 (11%)
Handoffs, handovers, or shift reports		0 (0%)	1 (20%)	1 (11%)
With other organizations or outside providers		0 (0%)	1 (20%)	1 (11%)

Table 66. Fall Device, Equipment, or Supply Factors by Segment, 2018

Device, Equipment, or Supply Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=1)	(n=10)	(n=6)	(n=17)
	Number (%)	Number (%)	Number (%)	Number (%)
Design	1 (100%)	6 (60%)	3 (50%)	10 (59%)
Function	0 (0%)	5 (50%)	1 (17%)	6 (35%)
Use or selection by healthcare provider or staff	0 (0%)	3 (30%)	2 (33%)	5 (29%)
Use by patient (or resident)	0 (0%)	1 (10%)	2 (33%)	3 (18%)

	ASC (n=1)	Hospital (n=10)	Nursing Facility (n=6)	All Segments (n=17)
Device, Equipment, or Supply Factors	Number (%)	Number (%)	Number (%)	Number (%)
Maintenance	0 (0%)	1 (10%)	0 (0%)	1 (6%)

Table 67. Fall Human or Environmental Factors by Segment, 2018

	ASC (n=2)	Hospital (n=7)	Nursing Facility (n=2)	All Segments (n=11)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)	Number (%)
Work area design or specifications	1 (50%)	4 (57%)	0 (0%)	5 (45%)
Interruptions or distractions	2 (100%)	1 (14%)	1 (50%)	4 (36%)
Alarm fatigue	0 (0%)	3 (43%)	0 (0%)	3 (27%)
Provider or staff stress	1 (50%)	0 (0%)	2 (100%)	3 (27%)
Noise	2 (100%)	0 (0%)	0 (0%)	2 (18%)
Clutter	0 (0%)	1 (14%)	0 (0%)	1 (9%)

Table 68. Fall Organizational Factors by Segment, 2018

	ASC (n=3)	Hospital (n=7)	Nursing Facility (n=3)	All Segments* (n=13)
Organizational Factors	Number (%)	Number (%)	Number (%)	Number (%)
Culture of safety	1 (33%)	3 (43%)	1 (33%)	5 (38%)
Clinical supervision	1 (33%)	2 (29%)		3 (30%)
Job orientation or training	0 (0%)	1 (14%)	2 (67%)	3 (23%)
Staffing level	0 (0%)	2 (29%)	1 (33%)	3 (23%)
Systems to identify risk	2 (67%)	1 (14%)	0 (0%)	3 (23%)
Staff competencies	0 (0%)	2 (29%)	0 (0%)	2 (15%)
Supervision			2 (67%)	2 (67%)
Work assignment or allocation	0 (0%)	1 (14%)	0 (0%)	1 (8%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 69. Fall Policy or Procedure Factors by Segment, 2018

	ASC (n=2)	Hospital (n=4)	Nursing Facility (n=5)	Both Segments (n=11)
Policy or Procedure Factors	Number (%)	Number (%)	Number (%)	Number (%)
Work around more efficient	0 (0%)	2 (50%)	2 (40%)	4 (36%)
Staff or providers unfamiliar with policy or procedure	0 (0%)	0 (0%)	3 (60%)	3 (27%)
Clarity of policy or procedure	2 (100%)	0 (0%)	1 (20%)	3 (27%)
Policy or procedure absent	0 (0%)	2 (50%)	0 (0%)	2 (18%)

	ASC (n=2)	Hospital (n=4)	Nursing Facility (n=5)	Both Segments (n=11)
Policy or Procedure Factors	Number (%)	Number (%)	Number (%)	Number (%)
Too cumbersome	0 (0%)	0 (0%)	1 (20%)	1 (9%)

Table 70. Fall Patient Factors by Segment, 2018

	ASC (n=3)	Hospital (n=17)	Nursing Facility (n=7)	All Segments (n=27)
Patient Factors	Number (%)	Number (%)	Number (%)	Number (%)
Physical limitations	2 (67%)	9 (53%)	7 (100%)	18 (67%)
Sensory impairment	1 (33%)	9 (53%)	4 (57%)	14 (52%)
Fragile health status	0 (0%)	5 (29%)	3 (43%)	8 (30%)
Mental status	0 (0%)	1 (6%)	5 (71%)	6 (22%)
Behavioral status	1 (33%)	3 (18%)	1 (14%)	5 (19%)
Other patient factors	0 (0%)	3 (18%)	0 (0%)	3 (11%)

Table 71. Fall Patient Management Factors by Segment, 2018

	ASC (n=3)	Hospital (n=8)	Nursing Facility (n=4)	All Segments* (n=15)
Patient Management Factors	Number (%)	Number (%)	Number (%)	Number (%)
Patient or risk assessment	3 (100%)	5 (63%)	1 (25%)	9 (60%)
Initial diagnosis	0 (0%)	1 (13%)	2 (50%)	3 (20%)
Response to changing condition	0 (0%)	1 (13%)	1 (25%)	2 (13%)
Treatment or care plan	0 (0%)	2 (25%)		2 (18%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Healthcare-Associated Infection (HAI) Events

Table 72. HAI Event Sub-Types by Segment, 2018

HAI Event Sub-Type	ASC	Hospital	Nursing Facility	All Segments*
	(n=14) Number (%)	(n=30) Number (%)	(n=0) Number (%)	(n=44) Number (%)
Surgical site infection (SSI)	13 (93%)	3 (36%)		16 (36%)
Catheter-associated UTI (CAUTI)		15 (50%)		15 (50%)
Central line-associated BSI (CLABSI)	0 (0%)	8 (27%)		8 (18%)
Gastrointestinal system infection		3 (10%)		3 (10%)
Pneumonia	1 (7%)	1 (3%)		2 (5%)
Other HAI event	0 (0%)	1 (3%)		1 (2%)
Primary blood stream infection (BSI)	1 (7%)	0 (0%)		1 (2%)
Urinary tract infection (UTI)		1 (3%)		1 (3%)
Ventilator-associated Pneumonia (VAP)	0 (0%)	0 (0%)		0 (0%)
Sepsis	0 (0%)	0 (0%)		0 (0%)
Eye, ear, nose, throat, or mouth infection				0 (0%)
Lower respiratory tract infection (other than pneumonia)		0 (0%)		0 (0%)
Skin or soft tissue infection				0 (0%)

* “Both Segments” denominators are limited to segments for which this answer option is available.

Reporters may select multiple patient goals in a single report, so percentages may add to more than 100.

Other healthcare-associated infection events:

1 – Meningitis

Table 73. Surgical Site Infection (SSI) Location on the Body by Segment, 2018

SSI Location on the Body	ASC	Hospital	Both Segments
	(n=13) Number (%)	(n=3) Number (%)	(n=16) Number (%)
Hand or foot	5 (38%)	0 (0%)	5 (31%)
Joint	2 (15%)	1 (33%)	3 (19%)
Spine	0 (0%)	2 (67%)	2 (13%)
Urogenital	2 (15%)	0 (0%)	2 (13%)
Breast	2 (15%)	0 (0%)	2 (13%)
Face	1 (8%)	0 (0%)	1 (6%)
Arm	1 (8%)	0 (0%)	1 (6%)

Table 74. Type of Central Line Involved by Segment, 2018

Central Line Type	Hospital (n=8)
	Number (%)
Temporary (non-tunneled or PICC) central line	5 (63%)
Permanent/long-term (tunneled or implanted) central line	2 (25%)
Umbilical catheter	1 (13%)

Table 75. HAI Event Locations by Segment, 2018

Location	ASC (n=14)	Hospital (n=30)	Both Segments* (n=44)
	Number (%)	Number (%)	Number (%)
Inpatient (adult)		15 (50%)	15 (50%)
Operating/procedure room	8 (57%)	4 (13%)	12 (27%)
Critical care (adult)		9 (30%)	9 (30%)
Patient home, post discharge	6 (43%)		6 (43%)
Other location	0 (0%)	1 (3%)	1 (2%)
Critical care (pediatric, NICU)		1 (3%)	1 (3%)

* “Both Segments” denominators are limited to segments for which this answer option is available.

Other HAI event locations:

1 – Neurology unit

Healthcare-Associated Infection Event Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 76. HAI Contributing Factor Categories by Segment, 2018

Categories	ASC (n=14)	Hospital (n=30)	Both Segments (n=44)
	Number (%)	Number (%)	Number (%)
Organizational	7 (50%)	17 (57%)	24 (55%)
Patient management	5 (36%)	17 (57%)	22 (50%)
Device or supply	7 (50%)	10 (33%)	17 (39%)
Patient	2 (14%)	15 (50%)	17 (39%)
Policy or procedure	3 (21%)	10 (33%)	13 (30%)
Communication	4 (29%)	4 (13%)	8 (18%)
Human and environment	2 (14%)	2 (7%)	4 (9%)

Table 77. HAI Patient/Family Communication Factors by Segment, 2018

	ASC (n=4)	Hospital (n=4)	Both Segments (n=8)
Patient/Family Communication Factors	Number (%)	Number (%)	Number (%)
Miscommunication	1 (25%)	0 (0%)	1 (13%)

Table 78. HAI Healthcare Team Communication Factors by Segment, 2018

	ASC (n=4)	Hospital (n=4)	Both Segments (n=8)
Healthcare Team Communication Factors	Number (%)	Number (%)	Number (%)
Handoffs, handovers, or shift reports	2 (50%)	3 (75%)	5 (63%)
Between providers and staff	0 (0%)	2 (50%)	2 (25%)
With other organizations or outside providers	2 (50%)	0 (0%)	2 (25%)
Across units	1 (25%)	0 (0%)	1 (13%)
Within units	0 (0%)	1 (25%)	1 (13%)

Table 79. HAI Device, Equipment, or Supply Factors by Segment, 2018

	ASC (n=7)	Hospital (n=10)	Both Segments (n=17)
Device, Equipment, or Supply Factors	Number (%)	Number (%)	Number (%)
Function	6 (86%)	0 (0%)	6 (35%)
Maintenance	2 (29%)	4 (40%)	6 (35%)
Use or selection by healthcare provider or staff	1 (14%)	4 (40%)	5 (29%)
Design	0 (0%)	3 (30%)	3 (18%)
Use by patient (or resident)	0 (0%)	1 (10%)	1 (6%)

Table 80. HAI Human or Environmental Factors by Segment, 2018

	ASC (n=2)	Hospital (n=2)	Both Segments (n=4)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)
Alarm fatigue	2 (100%)	0 (0%)	2 (50%)
Interruptions or distractions	0 (0%)	1 (50%)	1 (25%)
Provider or staff fatigue	0 (0%)	1 (50%)	1 (25%)
Provider or staff stress	0 (0%)	1 (50%)	1 (25%)
Work area design or specifications	1 (50%)	0 (0%)	1 (25%)
Other human or environmental factors	1 (50%)	0 (0%)	1 (25%)

Table 81. HAI Organizational Factors by Segment, 2018

Organizational Factors	ASC	Hospital	Both Segments
	(n=7) Number (%)	(n=17) Number (%)	(n=24) Number (%)
Staff competencies	3 (43%)	7 (41%)	10 (42%)
Clinical supervision	0 (0%)	9 (53%)	9 (38%)
Job orientation or training	3 (43%)	3 (18%)	6 (25%)
Systems to identify risk	3 (43%)	2 (12%)	5 (21%)
Culture of safety	1 (14%)	3 (18%)	4 (17%)
Temporary staffing	0 (0%)	1 (6%)	1 (4%)
Work assignment or allocation	1 (14%)	0 (0%)	1 (4%)
Other organizational factors	1 (14%)	0 (0%)	1 (4%)

Table 82. HAI Policy or Procedure Factors by Segment, 2018

Policy or Procedure Factors	ASC	Hospital	Both Segments
	(n=3) Number (%)	(n=10) Number (%)	(n=13) Number (%)
Staff or providers unfamiliar with policy or procedure	0 (0%)	9 (90%)	9 (69%)
Clarity of policy or procedure	1 (33%)	3 (30%)	4 (31%)
Policy or procedure absent	1 (33%)	0 (0%)	1 (8%)
Other policy or procedure factors	1 (33%)	0 (0%)	1 (8%)

Table 83. HAI Patient Factors by Segment, 2018

Patient Factors	ASC	Hospital	Both Segments
	(n=2) Number (%)	(n=15) Number (%)	(n=17) Number (%)
Fragile health status	1 (50%)	13 (87%)	14 (82%)
Physical limitations	1 (50%)	3 (20%)	4 (24%)
Sensory impairment	0 (0%)	2 (13%)	2 (12%)
Behavioral status	0 (0%)	1 (7%)	1 (6%)
Mental status	0 (0%)	1 (7%)	1 (6%)

Table 84. HAI Patient Management Factors by Segment, 2018

Patient Management Factors	ASC	Hospital	Both Segments
	(n=5) Number (%)	(n=17) Number (%)	(n=22) Number (%)
Treatment or care plan	3 (60%)	13 (76%)	16 (73%)
Follow-up care	2 (40%)	6 (35%)	8 (36%)
Response to changing condition	1 (20%)	2 (12%)	3 (14%)
Initial diagnosis	0 (0%)	2 (12%)	2 (9%)
Patient or risk assessment	0 (0%)	1 (6%)	1 (5%)

Maternal and Perinatal Events

Table 85. Adverse Outcome Sustained by Mother, 2018

Adverse maternal outcome	Hospital (n=10) Number (%)
Hemorrhage requiring transfusion	7 (70%)
Hemorrhage requiring treatment other than transfusion	0 (0%)
Other	3 (30%)
Chorioamnionitis	2 (20%)
Uterine rupture	1 (10%)
None	1 (10%)
Bladder injury	0 (0%)
Bowel injury	0 (0%)
Death	0 (0%)
Eclampsia	0 (0%)
Endometritis	0 (0%)
Magnesium toxicity	0 (0%)
Ureter injury	0 (0%)
3rd or 4th degree perineal laceration	0 (0%)

Reporters may select multiple adverse outcomes in a single report, so percentages may add to more than 100.

Other adverse outcomes:

1 – Hysterectomy

1 – Pre-eclampsia

1 – Allergic reaction to post-procedural pain management

Table 86. Was Labor Induced or Augmented, 2018

	Hospital (n=17) Number (%)
Neither induced nor augmented	8 (47%)
Induced	6 (35%)
Augmented	2 (12%)
Unknown or did not respond	1 (6%)

Table 87. Final Mode of Delivery, 2018

	Hospital (n=17) Number (%)
Vaginal delivery	7 (41%)
Cesarean section	7 (41%)
Attempted vaginal delivery followed by Cesarean section	3 (18%)

Table 88. “Did the Delivery Involve the Following?”, 2018

	Hospital (n=17) Number (%)
Episiotomy	0 (0%)
Vacuum	0 (0%)
Forceps	0 (0%)
Shoulder dystocia	0 (0%)

Each of these options is independent of the others so percentages should not be totaled.

Table 89. Perinatal Event, Fetus or Neonate, 2018

	Hospital (n=7) Number (%)
Neonate	6 (86%)
Fetus	1 (14%)

Table 90. Adverse Outcome Sustained by Fetus, 2018

Adverse Outcome	Hospital (n=1) Number (%)
Unexpected death	1 (100%)
Injury	0 (0%)

Table 91. Adverse Outcome Sustained by Neonate, 2018

Adverse Outcome	Hospital
	(n=6) Number (%)
Anoxic or hypoxic encephalopathy	4 (67%)
Unexpected death	3 (50%)
Other adverse outcome	2 (33%)
Infection (e.g. group B strep)	1 (17%)
Seizure(s)	1 (17%)
Injury to brachial plexus	0 (0%)
Subdural or cerebral hemorrhage	0 (0%)

Reporters may select multiple adverse outcomes in a single report, so percentages may add to more than 100.

Other adverse outcomes:

1 – Thick meconium inhalation & true knot in umbilical cord

1 – Low temperature

Table 92. Maternal and Perinatal Contributing Factor Categories by Segment, 2018

Categories	Hospital
	(n=17) Number (%)
Communication	12 (71%)
Patient management	12 (71%)
Organizational	10 (59%)
Policy or procedure	11 (65%)
Device or supply	8 (47%)
Human and environment	6 (35%)
Patient	3 (18%)

Medication or Other Substance Events

Table 93. Medication or Other Substance Event Sub-Types by Segment, 2018

Medication or Other Substance Event Sub-Type	ASC (n=4) Number (%)	Hospital (n=20) Number (%)	Nursing Facility (n=4) Number (%)	Pharmacy (n=13) Number (%)	All Segments * (n=41) Number (%)
Incorrect strength	0 (0%)	2 (10%)	0 (0%)	8 (62%)	10 (24%)
Incorrect dose	1 (25%)	6 (30%)	0 (0%)	0 (0%)	7 (17%)
Incorrect medication or substance	2 (50%)	2 (10%)	0 (0%)	1 (8%)	5 (12%)
Incorrect dosage form	0 (0%)	2 (10%)	2 (50%)	0 (0%)	4 (10%)
Contraindicated	1 (25%)	2 (10%)	0 (0%)	0 (0%)	3 (7%)
Other medication event	0 (0%)	1 (5%)	0 (0%)	2 (15%)	3 (7%)
Medication omitted	0 (0%)	1 (5%)	2 (50%)	0 (0%)	3 (7%)
Over sedation	0 (0%)	2 (10%)	0 (0%)		2 (7%)
Adverse reaction	0 (0%)	1 (5%)	0 (0%)	1 (8%)	2 (5%)
Incorrect directions				1 (8%)	1 (8%)
Discontinued	0 (0%)	1 (5%)	0 (0%)		1 (4%)
Incorrect time	0 (0%)	1 (5%)	0 (0%)		1 (4%)
Allergic reaction	0 (0%)	1 (5%)	0 (0%)	0 (0%)	1 (2%)
Drug interaction	0 (0%)	1 (5%)	0 (0%)	0 (0%)	1 (2%)
Incorrect route	0 (0%)	1 (5%)	0 (0%)	0 (0%)	1 (2%)
Incorrect rate	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Expired	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Incorrect or incomplete labeling	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Incorrect patient				0 (0%)	0 (0%)
Medication taken incorrectly				0 (0%)	0 (0%)
Patient counseling omitted				0 (0%)	0 (0%)
Generic substitution				0 (0%)	0 (0%)
Incorrect quantity, amount or size				0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Reporters may select multiple medication or other substance event types in a single report, so percentages may add to more than 100.

Table 94. Type of Medication or Substance by Segment, 2018

Medication or Substance Type	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=4)	(n=20)	(n=4)	(n=13)	(n=41)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Prescription or over the counter (including herbal supplements)	4 (100%)	14 (70%)	4 (100%)	13 (100%)	35 (85%)
Compounded preparation	0 (0%)	4 (20%)	0 (0%)	0 (0%)	4 (10%)
Other substance	0 (0%)	3 (30%)	0 (0%)	0 (0%)	3 (7%)
Investigational drug	0 (0%)	1 (10%)	0 (0%)	0 (0%)	1 (2%)
Did not respond	0 (0%)	1 (10%)	0 (0%)	0 (0%)	1 (2%)
Unknown	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Reporters may select multiple medication or substance types in a single report, so percentages may add to more than 100.

Table 95. "Did the Event Involve Any of the Following?" by Segment, 2018

	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=4)	(n=20)	(n=4)	(n=13)	(n=41)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Look-alike/sound-alike drugs	1 (25%)	1 (5%)	0 (0%)	1 (8%)	3 (7%)
Two or more prescriptions filled at the same time	1 (25%)	1 (5%)	0 (0%)	0 (0%)	2 (5%)
Medications administered to two or more patients at the same time	0 (0%)	1 (5%)	0 (0%)	0 (0%)	1 (2%)
Multitasking				1 (8%)	1 (8%)
Event carried through one or more refills				0 (0%)	0 (0%)
Medication therapy management patient				0 (0%)	0 (0%)
Other medication event factor				0 (0%)	0 (0%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Each of these options is independent of the others so percentages should not be totaled.

Table 96. Type of Contraindication (Potential or Actual Interaction) by Segment, 2018

Type of Contraindication	ASC	Hospital	Nursing Facility	Pharmacy	All Segments
	(n=1) Number (%)	(n=2) Number (%)	(n=0) Number (%)	(n=0) Number (%)	(n=3) Number (%)
Documented allergy or sensitivity	1 (100%)	1 (50%)			2 (67%)
Drug-disease	0 (0%)	1 (50%)			1 (33%)
Drug-drug	0 (0%)	0 (0%)			0 (0%)
Drug-food	0 (0%)	0 (0%)			0 (0%)
Other contraindication	0 (0%)	0 (0%)			0 (0%)
Did not respond	0 (0%)	0 (0%)			0 (0%)

Table 97. Intended Route vs. Actual Route, 2018

Intended Route	Actual Route	Number (%)
Oral	Other (NG feeding tube)	1 (100%)

Table 98. Medication or Other Substance Event Locations by Segment, 2018

Location	ASC	Hospital	Nursing Facility	Pharmacy	All Segments *
	(n=4) Number (%)	(n=20) Number (%)	(n=4) Number (%)	(n=13) Number (%)	(n=41) Number (%)
Pharmacy		0 (0%)		13 (100%)	13 (39%)
Inpatient (adult)		7 (35%)			7 (35%)
Other	0 (0%)	7 (35%)	0 (0%)		7 (25%)
Resident room			4 (100%)		4 (100%)
Emergency department		3 (15%)			3 (15%)
Critical care (adult)		2 (10%)			2 (10%)
Operating/procedure room	1 (25%)	1 (5%)			2 (8%)
Preop area	2 (50%)	0 (0%)			2 (8%)
Post anesthesia care unit	1 (25%)	0 (0%)			1 (4%)

Medication or Other Substance Event Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 99. Medication or Other Substance Contributing Factor Categories by Segment, 2018

Categories	ASC (n=4)	Hospital (n=20)	Nursing Facility (n=4)	Pharmacy (n=13)	All Segments * (n=41)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Organizational	3 (75%)	7 (35%)	3 (75%)	7 (54%)	20 (49%)
Communication	1 (25%)	12 (60%)	3 (75%)	2 (15%)	18 (44%)
Policy or procedure	1 (25%)	10 (50%)	4 (100%)	0 (0%)	15 (37%)
Human and environment	4 (100%)	6 (30%)	2 (50%)	1 (8%)	13 (32%)
Device or supply	1 (25%)	11 (55%)	0 (0%)	0 (0%)	12 (29%)
Patient management	1 (25%)	8 (40%)	2 (50%)		11 (39%)
Patient	1 (25%)	3 (15%)	0 (0%)	0 (0%)	4 (10%)
Computer System (HIT)				2 (15%)	2 (15%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 100. Medication or Other Substance Patient/Family Communication Factors by Segment, 2018

Patient/Family Communication Factors	ASC (n=1)	Hospital (n=12)	Nursing Facility (n=3)	Pharmacy (n=2)	All Segments* (n=18)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Miscommunication	0 (0%)	1 (8%)	1 (33%)		2 (13%)
Language	0 (0%)	1 (8%)	0 (0%)	0 (0%)	1 (6%)
Patient unable to communicate	0 (0%)	0 (0%)	1 (33%)		1 (6%)
Other patient/family factor	1 (100%)	0 (0%)	0 (0%)	0 (0%)	1 (6%)
Between pharmacy staff and patient				1 (50%)	1 (50%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 101. Medication or Other Substance Healthcare Team Communication Factors by Segment, 2018

Healthcare Team Communication Factors	ASC (n=1)	Hospital (n=12)	Nursing Facility (n=3)	Pharmacy (n=2)	All Segments* (n=18)
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Among interdisciplinary teams	0 (0%)	9 (75%)	0 (0%)		9 (56%)
Between providers and staff	0 (0%)	6 (50%)	0 (0%)		6 (38%)
Handoffs, handovers or shift reports	0 (0%)	2 (17%)	3 (100%)		5 (31%)
With other organizations or outside providers	0 (0%)	1 (8%)	2 (67%)	1 (50%)	4 (22%)
Across units	0 (0%)	2 (17%)	0 (0%)		2 (13%)
Within units	0 (0%)	1 (8%)	1 (33%)		2 (13%)

	ASC (n=1)	Hospital (n=12)	Nursing Facility (n=3)	Pharmacy (n=2)	All Segments* (n=18)
Healthcare Team Communication Factors	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Between supervisor and staff	0 (0%)	1 (8%)	0 (0%)		1 (6%)
Among pharmacy staff				1 (50%)	1 (50%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 102. Medication or Other Substance Computer System (Health Information Technology) Factors by Segment, 2018

	Pharmacy (n=2)
Computer Systems Factors	Number (%)
Software	2 (100%)

The category *computer systems* is not available to ASCs, hospitals and nursing facilities.

Table 103. Medication or Other Substance Device, Equipment, or Supply Factors by Segment, 2018

	ASC (n=1)	Hospital (n=11)	Nursing Facility (n=0)	Pharmacy (n=0)	All Segments (n=12)
Device, Equipment, or Supply Factors	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Shortages	1 (100%)	4 (36%)			5 (42%)
Availability	0 (0%)	4 (36%)			4 (33%)
Use or selection by healthcare provider or staff	0 (0%)	4 (36%)			4 (33%)
Function	0 (0%)	3 (27%)			3 (25%)
Design	0 (0%)	2 (18%)			2 (17%)
Maintenance	0 (0%)	2 (18%)			2 (17%)

Table 104. Medication or Other Substance Human or Environmental Factors by Segment, 2018

	ASC (n=4)	Hospital (n=6)	Nursing Facility (n=2)	Pharmacy (n=1)	All Segments (n=13)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Provider or staff stress	2 (50%)	3 (50%)	0 (0%)	0 (0%)	5 (38%)
Interruptions or distractions	3 (75%)	0 (0%)	1 (50%)	1 (100%)	5 (38%)
Work area design or specifications	1 (25%)	3 (50%)	0 (0%)	0 (0%)	4 (31%)
Provider or staff fatigue	0 (0%)	2 (33%)	0 (0%)	0 (0%)	2 (15%)
Other human or environmental factors	0 (0%)	1 (17%)	1 (50%)	0 (0%)	2 (15%)
Clutter	0 (0%)	1 (17%)	0 (0%)	0 (0%)	1 (8%)
Provider or staff health issues	0 (0%)	1 (17%)	0 (0%)	0 (0%)	1 (8%)

Table 105. Medication or Other Substance Organizational Factors by Segment, 2018

Organizational Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments*
	(n=3) Number (%)	(n=7) Number (%)	(n=3) Number (%)	(n=7) Number (%)	(n=20) Number (%)
Job orientation or training	1 (33%)	1 (14%)	3 (100%)	7 (100%)	12 (60%)
Staff competencies	1 (33%)	2 (29%)	2 (67%)	0 (0%)	5 (25%)
Culture of safety	0 (0%)	2 (29%)	1 (33%)	0 (0%)	3 (15%)
Internal reporting	1 (33%)	0 (0%)	1 (33%)	0 (0%)	2 (10%)
Systems to identify risk	0 (0%)	2 (29%)	0 (0%)	0 (0%)	2 (10%)
Work assignment or allocation	1 (33%)	1 (14%)	0 (0%)	0 (0%)	2 (10%)
Management or leadership skills	0 (0%)	1 (14%)	0 (0%)	0 (0%)	1 (5%)
Staffing level	1 (33%)	0 (0%)	0 (0%)	0 (0%)	1 (5%)
Supervision			1 (33%)	0 (0%)	1 (10%)
Temporary staffing	0 (0%)	0 (0%)	1 (33%)	0 (0%)	1 (5%)

* "All Segments" denominators are limited to segments for which this answer option is available.

Table 106. Medication or Other Substance Policy or Procedure Factors by Segment, 2018

Policy or Procedure Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments
	(n=1) Number (%)	(n=10) Number (%)	(n=4) Number (%)	(n=0) Number (%)	(n=15) Number (%)
Staff or providers unfamiliar with policy or procedure	0 (0%)	4 (40%)	3 (75%)		7 (47%)
Policy or procedure absent	0 (0%)	4 (40%)	0 (0%)		4 (27%)
Work around more efficient	1 (100%)	2 (20%)	1 (25%)		4 (27%)
Clarity of policy or procedure	0 (0%)	1 (10%)	0 (0%)		1 (7%)

Table 107. Medication or Other Substance Patient Factors by Segment, 2018

Patient Factors	ASC	Hospital	Nursing Facility	Pharmacy	All Segments
	(n=1) Number (%)	(n=3) Number (%)	(n=0) Number (%)	(n=0) Number (%)	(n=4) Number (%)
Fragile health status	0 (0%)	3 (100%)			3 (75%)
Physical limitations	1 (100%)	1 (33%)			2 (50%)

Table 108. Medication or Other Substance Patient Management Factors by Segment, 2018

Patient Management Factors	ASC	Hospital	Nursing Facility	All Segments
	(n=1) Number (%)	(n=8) Number (%)	(n=2) Number (%)	(n=11) Number (%)
Follow-up care	1 (100%)	2 (25%)	2 (100%)	5 (45%)
Treatment or care plan	0 (0%)	4 (50%)	0 (0%)	4 (36%)
Response to changing condition	0 (0%)	3 (38%)	0 (0%)	3 (27%)

Pharmacies are not given the category of *patient management*.

Pressure Ulcer

Table 109. Most Advanced Stage of Reported Pressure Ulcer by Segment, 2018

Pressure Ulcer Stage	Hospital	Nursing Facility	Both Segments
	(n=7)	(n=1)	(n=8)
	Number (%)	Number (%)	Number (%)
Stage 1	0 (0%)	0 (0%)	0 (0%)
Stage 2	0 (0%)	0 (0%)	0 (0%)
Stage 3	4 (57%)	0 (0%)	4 (50%)
Stage 4	1 (14%)	0 (0%)	1 (13%)
Unstageable	0 (0%)	0 (0%)	0 (0%)
Suspected deep tissue injury (SDTI)	1 (14%)	1 (100%)	2 (25%)
Unknown	1 (14%)	0 (0%)	1 (13%)

Table 110. Stage of Reported Pressure Ulcer on Admission by Segment, 2018

Pressure Ulcer Stage	Hospital	Nursing Facility	Both Segments
	(n=7)	(n=1)	(n=8)
	Number (%)	Number (%)	Number (%)
Not present	4 (57%)	1 (100%)	5 (63%)
Stage 1	1 (14%)	0 (0%)	1 (13%)
Stage 2	0 (0%)	0 (0%)	0 (0%)
Stage 3	1 (14%)	0 (0%)	1 (13%)
Stage 4	0 (0%)	0 (0%)	0 (0%)
Unstageable	0 (0%)	0 (0%)	0 (0%)
Suspected deep tissue injury (SDTI)	0 (0%)	0 (0%)	0 (0%)
Unknown	1 (14%)	0 (0%)	1 (13%)

Table 111. Most Advanced Stage of Reported Pressure Ulcer by Stage on Admission, 2018 (n=8)

Most Advanced Stage on Admission	Stage 1	Stage 2	Stage 3	Stage 4	Unstageable	SDTI	Unknown
	Number (percent)						
Not present			3 (38%)	1 (13%)		1 (13%)	
Stage 1			1 (13%)				
Stage 2							
Stage 3							1 (13%)
Stage 4							
Unstageable							
SDTI							
Unknown						1 (13%)	

SDTI: Suspected deep tissue injury

Table 112. “On Admission to the Facility, Was a Skin Inspection Documented?” by Segment, 2018

	Hospital (n=7) Number (%)	Nursing Facility (n=1) Number (%)	Both Segments (n=8) Number (%)
Documented	5 (71%)	0 (0%)	5 (63%)
Unknown	2 (29%)	0 (0%)	2 (25%)
Not documented	0 (0%)	1 (100%)	1 (13%)

Table 113. “When Was the First Pressure Ulcer Risk Assessment Documented?” by Segment, 2018

	Hospital (n=7) Number (%)	Nursing Facility (n=1) Number (%)	Both Segments (n=8) Number (%)
On admission (within 24 hours)	4 (57%)	1 (100%)	5 (63%)
Not on admission, but documented prior to the discovery of a newly developed, or advancement of an existing, pressure ulcer	1 (14%)	0 (0%)	1 (13%)
Not on admission, but documented after discovery of a newly developed, or advancement of an existing, pressure ulcer	1 (14%)	0 (0%)	1 (13%)
Unknown	1 (14%)	0 (0%)	1 (13%)
No risk assessment documented	0 (0%)	0 (0%)	0 (0%)

Table 114. Type of Risk Assessment Performed by Segment, 2018

Type of Risk Assessment	Hospital (n=7) Number (%)	Nursing Facility (n=1) Number (%)	Both Segments (n=8) Number (%)
Braden/Braden Q	4 (57%)	1 (100%)	5 (63%)
Unknown or did not respond	3 (43%)	0 (0%)	3 (38%)
Clinical assessment	0 (0%)	0 (0%)	0 (0%)
Other formal assessment tool	0 (0%)	0 (0%)	0 (0%)

Table 115. “Was the Patient/Resident Assessed to Be at Any Level of Risk for a Pressure Ulcer?” by Segment, 2018

	Hospital (n=7) Number (%)	Nursing Facility (n=1) Number (%)	Both Segments (n=8) Number (%)
Yes	3 (43%)	1 (100%)	4 (50%)
Unknown or did not respond	3 (43%)	0 (0%)	3 (38%)
No	1 (14%)	0 (0%)	1 (13%)

Table 116. Pressure Ulcer Location on the Body by Segment, 2018

Pressure ulcer/injury location	Hospital	Nursing Facility	Both Segments
	(n=7) Number (%)	(n=1) Number (%)	(n=8) Number (%)
Heel	3 (43%)	0 (0%)	3 (38%)
Sacrum	3 (43%)	0 (0%)	3 (38%)
Coccyx	2 (29%)	0 (0%)	2 (25%)
Ankle	1 (14%)	0 (0%)	1 (13%)
Buttock	0 (0%)	1 (100%)	1 (13%)
Other location	1 (14%)	0 (0%)	1 (13%)
Back	0 (0%)	0 (0%)	0 (0%)
Back of head	0 (0%)	0 (0%)	0 (0%)
Elbow	0 (0%)	0 (0%)	0 (0%)
Hip	0 (0%)	0 (0%)	0 (0%)
Knee	0 (0%)	0 (0%)	0 (0%)
Shoulder	0 (0%)	0 (0%)	0 (0%)
Thigh	0 (0%)	0 (0%)	0 (0%)
Did not respond	0 (0%)	0 (0%)	0 (0%)

Reporters may select multiple pressure ulcer/injury locations in a single report, so percentages may add to more than 100.

Other pressure ulcer/injury locations:

1 – Foot

Table 117. Implemented Preventive Interventions by Segment, 2018

Preventive intervention	Hospital	Nursing Facility	Both Segments
	(n=7) Number (%)	(n=1) Number (%)	(n=8) Number (%)
Repositioning	5 (71%)	0 (0%)	5 (63%)
Skin care practices to prevent moisture and shearing	4 (57%)	1 (100%)	5 (63%)
Hydration and/or nutritional support	4 (57%)	0 (0%)	4 (50%)
Pressure redistribution device	1 (14%)	1 (100%)	2 (25%)
Unknown or did not respond	2 (29%)	0 (0%)	2 (25%)
Other preventive intervention	1 (14%)	0 (0%)	1 (13%)
None	0 (0%)	0 (0%)	0 (0%)

Reporters may select multiple interventions in a single report, so percentages may add to more than 100.

Table 118. “Was the Use of a Device or Appliance Involved in the Development or Advancement of the Pressure Ulcer?” by Segment, 2019

	Hospital (n=7)	Nursing Facility (n=1)	Both Segments (n=8)
Was the use of a device or appliance involved?	Number (%)	Number (%)	Number (%)
No	4 (57%)	0 (0%)	4 (50%)
Yes	2 (29%)	1 (100%)	3 (38%)
Unknown	1 (14%)	0 (0%)	1 (13%)

Table 119. Type of Device or Appliance Involved in Pressure Ulcer/Injury Development or Advancement by Segment, 2018

	Hospital (n=2)	Nursing Facility (n=1)	Both Segments (n=3)
Type of Device or Appliance	Number (%)	Number (%)	Number (%)
Other device or appliance	1 (50%)	1 (100%)	2 (67%)
Orthopedic appliance (e.g., cast, splint, orthotic)	1 (50%)	0 (0%)	1 (33%)
Anti-embolic device (e.g., compression stockings)	0 (0%)	0 (0%)	0 (0%)
Oxygen delivery device (e.g., nasal prongs, oxygen mask)	0 (0%)	0 (0%)	0 (0%)
Positioning device (e.g., lap buddy, wedge cushion)	0 (0%)	0 (0%)	0 (0%)
Restraints	0 (0%)	0 (0%)	0 (0%)
Tube (includes endotracheal, gastrostomy, nasogastric, tracheostomy and indwelling urinary)	0 (0%)	0 (0%)	0 (0%)

Reporters may select multiple devices or appliances in a single report, so percentages may add to more than 100.

Table 120. Pressure Ulcer or Injury Contributing Factor Categories by Segment, 2018

	Hospital (n=7)	Nursing Facility (n=1)	Both Segments (n=8)
Categories	Number (%)	Number (%)	Number (%)
Patient	6 (86%)	1 (100%)	7 (88%)
Patient management	6 (86%)	0 (0%)	6 (75%)
Policy or procedure	5 (71%)	0 (0%)	5 (63%)
Organizational	3 (43%)	1 (100%)	4 (50%)
Communication	2 (29%)	1 (100%)	3 (38%)
Device or supply	2 (29%)	1 (100%)	3 (38%)
Human and environment	0 (0%)	0 (0%)	0 (0%)

Retained Objects

Table 121. Type of Retained Object by Segment, 2018

Type of Retained Object	ASC (n=1)	Hospital (n=12)	Both Segments (n=13)
	Number (%)	Number (%)	Number (%)
Sponge	1 (100%)	5 (42%)	6 (46%)
Whole instrument (e.g., clamp)	0 (0%)	2 (8%)	2 (8%)
Instrument fragment	0 (0%)	2 (8%)	2 (8%)
Guidewire	0 (0%)	1 (17%)	1 (15%)
Towel	0 (0%)	1 (17%)	1 (15%)
Other	0 (0%)	1 (17%)	1 (15%)
Needle	0 (0%)	0 (0%)	0 (0%)
IV/IV part	0 (0%)	0 (0%)	0 (0%)

Other type of retained object:

1 – Wound vacuum foam

Whole instruments:

2 – Bulldog clamps

Instrument fragments:

1 – Piece of lap band

1 – Trial implant

Table 122. Were Counts Performed for the Type of Object that was Retained by Type of Object, 2018 (n=13)

Type of Retained Object	Yes	No, but Object is “Countable”	No and Object is Not “Countable”	Unknown or Did Not Respond
	Number (%)	Number (%)	Number (%)	Number (%)
Sponge	4 (31%)	1 (8%)		1 (8%)
Instrument fragment	1 (8%)		1 (8%)	
Whole instrument (e.g., clamp)	1 (8%)	1 (8%)		
Other		1 (8%)		
Guidewire				1 (8%)
Towel	1 (8%)			

Table 123. “Was the Retained Object Any of the Following?” by Segment, 2018

	ASC (n=1) Number (%)	Hospital (n=12) Number (%)	Both Segments (n=13) Number (%)
None of the above	1 (100%)	4 (33%)	5 (38%)
Radiopaque	0 (0%)	5 (42%)	5 (38%)
n/a	0 (0%)	2 (17%)	2 (15%)
Did not respond	0 (0%)	1 (17%)	1 (8%)
RFID (radio frequency identification)	0 (0%)	0 (0%)	0 (0%)
Barcode	0 (0%)	0 (0%)	0 (0%)

Each of these options is independent of the others so percentages should not be totaled.

Table 124. “Did the Surgeon Perform a Cavity Sweep?” by Segment, 2018

	ASC (n=1) Number (%)	Hospital (n=12) Number (%)	Both Segments (n=13) Number (%)
n/a	0 (0%)	7 (58%)	7 (54%)
Yes	0 (0%)	2 (8%)	2 (15%)
Unknown or did not respond	0 (0%)	2 (8%)	2 (15%)
No	1 (100%)	1 (17%)	2 (15%)

Table 125. Retained Object Event Locations by Segment, 2018

Location	ASC (n=1) Number (%)	Hospital (n=12) Number (%)	Both Segments (n=13) Number (%)
Operating/procedure room	1 (100%)	7 (58%)	8 (62%)
Inpatient (adult)		3 (25%)	3 (25%)
Labor and delivery		1 (17%)	1 (17%)
Day/ambulatory surgery		1 (17%)	1 (17%)

Retained Object Event Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 126. Retained Object Contributing Factor Categories by Segment, 2018

Categories	ASC	Hospital	Both
	(n=1)	(n=12)	Segments
	Number (%)	Number (%)	(n=13) Number (%)
Policy or procedure	1 (100%)	9 (75%)	10 (77%)
Communication	1 (100%)	7 (58%)	8 (62%)
Human and environment	1 (100%)	7 (58%)	8 (62%)
Organizational	1 (100%)	6 (50%)	7 (54%)
Device or supply	0 (0%)	4 (33%)	4 (31%)
Patient	0 (0%)	2 (17%)	2 (15%)
Patient management	0 (0%)	1 (8%)	1 (8%)

Table 127. Retained Object Patient/Family Communication Factors by Segment, 2018

Patient/Family Communication Factors	ASC	Hospital	Both
	(n=1)	(n=7)	Segments
	Number (%)	Number (%)	(n=8) Number (%)
Culture	0 (0%)	0 (0%)	0 (0%)
Language	0 (0%)	0 (0%)	0 (0%)
Miscommunication	0 (0%)	0 (0%)	0 (0%)
Understanding discharge instructions or plan	0 (0%)	0 (0%)	0 (0%)
Patient did not use call light	0 (0%)	0 (0%)	0 (0%)
Patient unable to communicate	0 (0%)	0 (0%)	0 (0%)
Other patient/family communication factors	0 (0%)	0 (0%)	0 (0%)

Note: There are two categories of communication factors: patient/family communication factors and healthcare team communication factors. Retained object reports only identified healthcare team communication factors.

Table 128. Retained Object Healthcare Team Communication Factors by Segment, 2018

Healthcare Team Communication Factors	ASC	Hospital	Both
	(n=1)	(n=7)	Segments
	Number (%)	Number (%)	(n=8) Number (%)
Between providers and staff	1 (100%)	5 (71%)	6 (75%)
Among interdisciplinary teams	1 (100%)	3 (43%)	4 (50%)
Handoffs, handovers, or shift reports	0 (0%)	3 (43%)	3 (38%)
Across units	0 (0%)	1 (14%)	1 (13%)
With other organizations or outside providers	0 (0%)	1 (14%)	1 (13%)

Table 129. Retained Object Device, Equipment, or Supply Factors by Segment, 2018

	ASC (n=0)	Hospital (n=4)	Both Segments (n=4)
Device, Equipment, or Supply Factors	Number (%)	Number (%)	Number (%)
Design		2 (50%)	2 (50%)
Use or selection by healthcare provider or staff		2 (50%)	2 (50%)

Table 130. Retained Object Human or Environmental Factors by Segment, 2018

	ASC (n=1)	Hospital (n=7)	Both Segments (n=8)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)
Interruptions or distractions	1 (100%)	6 (86%)	7 (88%)
Provider or staff stress	0 (0%)	2 (29%)	2 (25%)
Work area design or specifications	0 (0%)	1 (14%)	1 (13%)

Table 131. Retained Object Organizational Factors by Segment, 2018

	ASC (n=1)	Hospital (n=6)	Both Segments (n=7)
Organizational Factors	Number (%)	Number (%)	Number (%)
Staff competencies	1 (100%)	4 (67%)	5 (71%)
Culture of safety	0 (0%)	4 (67%)	4 (57%)
Job orientation or training	0 (0%)	2 (33%)	2 (29%)
Internal reporting	0 (0%)	1 (17%)	1 (14%)
Systems to identify risk	0 (0%)	1 (17%)	1 (14%)
Temporary staffing	0 (0%)	1 (17%)	1 (14%)
Work assignment or allocation	0 (0%)	1 (17%)	1 (14%)

Table 132. Retained Object Policy or Procedure Factors by Segment, 2018

	ASC (n=1)	Hospital (n=9)	Both Segments (n=10)
Policy or Procedure Factors	Number (%)	Number (%)	Number (%)
Clarity of policy or procedure	1 (100%)	5 (56%)	6 (60%)
Staff or providers unfamiliar with policy or procedure	1 (100%)	2 (22%)	3 (30%)
Policy or procedure absent	0 (0%)	1 (11%)	1 (10%)
Too cumbersome	0 (0%)	1 (11%)	1 (10%)
Work around more efficient	0 (0%)	1 (11%)	1 (10%)

Table 133. Retained Object Patient Factors by Segment, 2018

Patient Factors	ASC (n=0) Number (%)	Hospital (n=2) Number (%)	Both Segments (n=2) Number (%)
Family dynamics or relationships		1 (50%)	1 (50%)
Fragile health status		1 (50%)	1 (50%)

Table 134. Retained Object Patient Management Factors by Segment, 2018

Patient Management Factors	ASC (n=0) Number (%)	Hospital (n=1) Number (%)	Both Segments (n=1) Number (%)
Response to changing condition		1 (100%)	1 (100%)

Surgical Events

Table 135. Surgical Event Sub-Types by Segment, 2018

Surgical or Other Invasive Procedure Event Sub-Type	ASC (n=53) Number (%)	Hospital (n=12) Number (%)	Both Segments* (n=65) Number (%)
Unplanned emergency department visit (within 48 hours of discharge)	24 (45%)		24 (45%)
Unplanned admission to hospital (within 48 hours of discharge)	24 (45%)		24 (45%)
Postop bleeding requiring return to operating room	8 (15%)	1 (8%)	9 (14%)
Other surgical or other invasive procedure event	5 (9%)	3 (25%)	8 (12%)
Incorrect site or side	2 (4%)	4 (33%)	6 (9%)
Laceration, perforation, puncture, or nick	5 (9%)	0 (0%)	5 (8%)
Incorrect implant	1 (2%)	1 (8%)	2 (3%)
Incorrect patient	0 (0%)	1 (8%)	1 (2%)
Incorrect procedure	1 (2%)	0 (0%)	1 (2%)
Unplanned removal of organ	0 (0%)	1 (8%)	1 (2%)
Unintended blockage, obstruction, or ligation	0 (0%)	1 (8%)	1 (2%)
Unanticipated blood transfusion	1 (2%)	0 (0%)	1 (2%)

* “Both Segments” denominators are limited to segments for which this answer option is available.

Reporters may select multiple surgical or other invasive procedure events in a single report, so percentages may add to more than 100.

Other surgical or other invasive procedure events:

2 – Additional or repeat procedure necessary

1 – Post-discharge respiratory arrest

1 – Absorption of irrigation fluid

1 – Post-procedural loss of voice requiring visit to ENT

1 – Unanticipated death

1 – Unplanned transfer to emergency department via medical transport

1 – Unplanned admission to hospital over 48 hours past discharge

Surgical Event Contributing Factors

Reporters may select multiple factors in multiple categories, so percentages may add to more than 100.

Table 136. Surgical or Other Invasive Procedure Contributing Factor Categories by Segment, 2018

Categories	ASC (n=53)	Hospital (n=12)	Both Segments (n=65)
	Number (%)	Number (%)	Number (%)
Patient management	19 (36%)	5 (42%)	24 (37%)
Communication	9 (17%)	10 (83%)	19 (29%)
Patient	11 (21%)	4 (33%)	15 (23%)
Policy or procedure	9 (17%)	5 (42%)	14 (22%)
Organizational	3 (6%)	8 (67%)	11 (17%)
Device or supply	2 (4%)	4 (33%)	6 (9%)
Human and environment	2 (4%)	3 (25%)	5 (8%)

Table 137. Surgical or Other Invasive Procedure Patient/Family Communication Factors by Segment, 2018

Patient/Family Communication Factors	ASC (n=9)	Hospital (n=10)	Both Segments (n=19)
	Number (%)	Number (%)	Number (%)
Understanding discharge instructions or plan	3 (33%)	0 (0%)	3 (16%)
Miscommunication	0 (0%)	2 (20%)	2 (11%)

Table 138. Surgical or Other Invasive Procedure Healthcare Team Communication Factors by Segment, 2018

Healthcare Team Communication Factors	ASC (n=9)	Hospital (n=10)	Both Segments (n=19)
	Number (%)	Number (%)	Number (%)
Between providers and staff	4 (44%)	8 (80%)	12 (63%)
Among interdisciplinary teams	2 (22%)	5 (50%)	7 (37%)
Handoffs, handovers or shift reports	0 (0%)	4 (40%)	4 (21%)
Across units	0 (0%)	3 (30%)	3 (16%)
Within units	0 (0%)	3 (30%)	3 (16%)
With other organizations or outside providers	2 (22%)	0 (0%)	2 (11%)

Table 139. Surgical or Other Invasive Procedure Device, Equipment, or Supply Factors by Segment, 2018

	ASC (n=2)	Hospital (n=4)	Both Segments (n=6)
Device, Equipment, or Supply Factors	Number (%)	Number (%)	Number (%)
Use or selection by healthcare provider or staff	2 (100%)	1 (25%)	3 (50%)
Design	0 (0%)	2 (50%)	2 (33%)
Availability	0 (0%)	1 (25%)	1 (17%)

Table 140. Surgical or Other Invasive Procedure Human or Environmental Factors by Segment, 2018

	ASC (n=2)	Hospital (n=3)	Both Segments (n=5)
Human or Environmental Factors	Number (%)	Number (%)	Number (%)
Provider or staff stress	0 (0%)	3 (100%)	3 (60%)
Interruptions or distractions	0 (0%)	2 (67%)	2 (40%)
Noise	0 (0%)	1 (33%)	1 (20%)
Provider or staff fatigue	1 (50%)	0 (0%)	1 (20%)
Work area design or specifications	0 (0%)	1 (33%)	1 (20%)
Other human or environmental factors	1 (50%)	0 (0%)	1 (20%)

Table 141. Surgical or Other Invasive Procedure Organizational Factors by Segment, 2018

	ASC (n=3)	Hospital (n=8)	Both Segments (n=11)
Organizational Factors	Number (%)	Number (%)	Number (%)
Culture of safety	1 (33%)	4 (50%)	5 (45%)
Systems to identify risk	1 (33%)	3 (38%)	4 (36%)
Clinical supervision	2 (67%)	1 (13%)	3 (27%)
Internal reporting	0 (0%)	2 (25%)	2 (18%)
Job orientation or training	2 (67%)	0 (0%)	2 (18%)
Managerial supervision	2 (67%)	0 (0%)	2 (18%)
Management or leadership skills	0 (0%)	1 (13%)	1 (9%)
Staff competencies	0 (0%)	1 (13%)	1 (9%)
Staffing level	0 (0%)	1 (13%)	1 (9%)
Work assignment or allocation	0 (0%)	1 (13%)	1 (9%)

Table 142. Surgical or Other Invasive Procedure Policy or Procedure Factors by Segment, 2018

Policy or Procedure Factors	ASC	Hospital	Both Segments
	(n=9) Number (%)	(n=5) Number (%)	(n=14) Number (%)
Clarity of policy or procedure	6 (67%)	3 (60%)	9 (64%)
Staff or providers unfamiliar with policy or procedure	3 (33%)	1 (20%)	4 (29%)
Work around more efficient	2 (22%)	1 (20%)	3 (21%)
Policy or procedure absent	1 (11%)	1 (20%)	2 (14%)
Other policy or procedure factors	0 (0%)	1 (20%)	1 (7%)

Table 143. Surgical or Other Invasive Procedure Patient Factors by Segment, 2018

Patient Factors	ASC	Hospital	Both Segments
	(n=11) Number (%)	(n=4) Number (%)	(n=15) Number (%)
Fragile health status	9 (82%)	2 (50%)	11 (73%)
Other patient factors	1 (9%)	1 (25%)	2 (13%)
Behavioral status	2 (18%)	0 (0%)	2 (13%)
Mental status	0 (0%)	1 (25%)	1 (7%)
Physical limitations	0 (0%)	1 (25%)	1 (7%)

Table 144. Surgical or Other Invasive Procedure Patient Management Factors by Segment, 2018

Patient Management Factors	ASC	Hospital	Both Segments
	(n=19) Number (%)	(n=5) Number (%)	(n=24) Number (%)
Response to changing condition	9 (47%)	4 (80%)	13 (54%)
Follow-up care	9 (47%)	0 (0%)	9 (38%)
Treatment or care plan	8 (42%)	1 (20%)	9 (38%)
Patient or risk assessment	4 (21%)	0 (0%)	4 (17%)
Initial diagnosis	0 (0%)	1 (20%)	1 (4%)

Appendix VI. Event Review and Analysis Timing and Written Notification

Event Review and Analysis Timing

OPSC collects four pieces of time-related data for adverse events: date event occurred, date event was discovered, date review team completed their event review and analysis, and date report was submitted. These data points provide information about an organization’s processes and highlight three key reporting timeline phases:

1. Event to discovery
2. Discovery to review completion
3. Review completion to report submission

The median time between event *discovery* and *report submission* was 44 days. The phase that required the most time was *review completion to report submission* (Table 145).

Table 145. Median Days in Key Reporting Timeline Phases, 2018

Median Days Between... (range)	ASC (n=90)	Hospital (n=190)	Nursing Facility (n=17)	Pharmacy (n=13)	All Segments (n=310)
Event to discovery	1 (0-115)	0 (0-545)	0 (0-12)	25 (0-210)	0 (0-545)
Discovery to review completion	12 (0-98)	19 (0-242)	1 (0-24)	288 (0-749)	17 (0-749)
Review completion to report submission	5 (0-193)	25 (0-436)	6 (0-127)	0 (0-1)	18 (0-436)

Events that do not meet the definition of adverse event, are discovered on chart review or while analyzing another event, or do not contain all necessary pieces of timeliness data, are excluded from this table. Reports may also be excluded at the discretion of the patient safety analyst.

Written Notification

Table 146. Reasons Written Notification Was Not Provided when Required by Segment, 2018

Please Specify Why No Written Notification Was Given	ASC (n=62)	Hospital (n=82)	Nursing Facility (n=5)	All Segments (n=149)
Oral disclosure provided	26 (42%)	50 (61%)	1 (20%)	77 (52%)
Not required by facility organizational policy	29 (47%)	24 (29%)	2 (40%)	55 (37%)
No organizational policy	11 (18%)	9 (11%)	1 (20%)	21 (14%)
Other reason	4 (6%)	12 (15%)	0 (0%)	16 (11%)
Not required by the OPSC definition	1 (2%)	3 (4%)	0 (0%)	4 (3%)

No pharmacy events met the criteria for written notification requirement.

Facilities could select more than one response.

Of note, “oral disclosure provided” only reflects whether oral disclosure was provided as an alternative to written notification; it does not indicate the absence of oral disclosure. The Oregon Patient Safety Commission believes that oral disclosure may occur before written notification.