

NIOSH Standard Occupational Data Architecture (SODA) 2.0



NIOSH Standard Occupational Data Architecture (SODA)

Description

This document defines the data formats used by the NIOSH Standard Occupational Data Architecture (SODA) for collecting data from participants in the Occupational Health Safety Network (OHSN). This version of SODA supports events that can lead to traumatic injuries, musculoskeletal disorders or exposures among healthcare personnel (HCP), with a special focus on:

1. Patient handling and working in awkward postures (resulting in overexertion/ bodily reaction injuries).
2. Slips, trips, and falls.
3. Workplace violence.
4. Blood and Body Fluid exposures.
5. Sharps/Needlestick exposures.

Future versions of OHSN and SODA will be expanded to include additional outcomes of interest, such as contact dermatitis and work-related asthma.

SODA uses Extensible Markup Language (XML) as its underlying data format and uses XML Schema to define the structure and content.

Sources

Name	Description
Data Submission and Event Structure	Standard Occupational Data Architecture (SODA) Common Data Elements.
Exposure Module	<p>Standard Occupational Data Architecture (SODA) Exposure Data Elements.</p> <p>Data collected in this component of OHSN will help healthcare facilities monitor and report trends in blood/body fluid exposures and to assess the impact of preventive measures.</p> <p>The Exposure element is a component of the Event element that can be used to provide supplemental information related to a exposure events. This element is required for BBF and Needlestick events. For all other types of events it is optional. In cases where "Other" codes are used for ExposureActivity, ExposureAgent, ExposureDevicePurpose, ExposureDeviceType and ExposureProtectionEquipment it is recommended that supplemental text be provided using the optional text attribute. Supplemental text can be up to 50 characters in length.</p>
Traumatic Injury Module	Standard Occupational Data Architecture (SODA) Traumatic Injury Data Elements.
Frequently Used Terms	

Data Submission and Event Structure

Description

Standard Occupational Data Architecture (SODA) Common Data Elements.

See Also

- [Data Elements](#)

Data Elements: Data Submission and Event Structure

Description

Common Data Elements and Valuesets for All Events.

This document defines the data elements and value sets of information collected by the National Institute for Occupational Safety and Health (NIOSH), part of the Centers for Disease Control and Prevention (CDC) as part of the Occupational Health Safety Network (OHSN). OHSN is a voluntary and secure electronic occupational safety and health surveillance system. The first version of OHSN is limited to the healthcare sector (Healthcare Sector Component). With HCP stakeholder input, NIOSH has designed these OHSN Data Elements, a “common language” which allows facilities to directly compare their occupational injury and illness events. This version of OHSN supports events that can lead to traumatic injuries, musculoskeletal disorders, or exposures among healthcare personnel (HCP), with a special focus on:

1. Patient handling and working in awkward postures (resulting in overexertion/ bodily reaction injuries).
2. Slips, trips, and falls.
3. Workplace violence.
4. Blood and Body Fluid exposures.
5. Sharps/Needlestick exposures.

Future versions of OHSN will be expanded to include additional outcomes of interest, such as contact dermatitis and work-related asthma.

Data Elements

Name	Description	Scope
DataSubmission	Data to be included with each submission to OHSN.	Required
Event	Data to be collected on all events.	Required
EventArea	Area of the facility where the injury occurred.	Optional
EventDate	Date that the event, condition, or injury occurred.	Required
EventDescription	Narrative text that describes what transpired.	Optional
EventHoursOnDuty	Number of hours the healthcare worker was on duty before the incident.	Optional
EventID	ID of the traumatic injury event.	Required
EventLocation	Location where the event that caused the traumatic injury or exposure occurred.	Core
EventMedicalTreatment	The type of medical treatment the healthcare worker received at the time of the injury event.	Optional
EventReportedDate	Date that the event, condition, or injury was reported to participating OHSN organization.	Optional
EventSeverity	Severity of the event.	Core (Traumatic Injury) Optional (Exposure)
EventTime	Time that the event, condition, or injury occurred.	Optional
EventType	Type of event that occurred.	Required
EventTypeSubmitted	The type of events contained within this data submission.	Required

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Name	Description	Scope
FacilityData	Contains the data specific to a facility allowing multiple facilities to be included in a single submission.	Required
FacilityID	ID that uniquely identifies the health care facility.	Required
FacilityName	Name of the health care facility.	Required
FirstYearMonth	The first month of the time period for the events in this data submission.	Required
LastYearMonth	The last month of the time period for the events in this data submission.	Required
SubmissionDate	Date of submission.	Required
Worker	<p>Demographic information about the healthcare worker involved in the event.</p> <p>Note that Healthcare Personnel are defined as the entire population of healthcare workers working in healthcare settings. HCP might include (but are not limited to) physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, dental personnel, pharmacists, laboratory personnel, autopsy personnel, students/ trainees, and volunteers, contractual staff not employed by the healthcare facility (e.g., clerical, dietary, housekeeping, maintenance, and volunteers), regardless of clinical responsibility or patient contact.</p> <p>Healthcare Worker is defined as a person who works in the healthcare facility, whether paid or unpaid, regardless of clinical responsibility or patient contact. Healthcare worker is the singular form of healthcare personnel.</p>	Core
WorkerAge	Age of the worker at the time of the event in years.	Core (Traumatic Injury) Optional (Exposure)
WorkerEthnicity	Ethnicity of the worker.	Optional
WorkerGender	Gender of the worker.	Optional
WorkerID	ID of the worker.	Optional
WorkerOccupation	Occupation of the worker at the time of the event.	Core
WorkerRace	Race of the worker.	Optional
WorkerStartDate	Date the worker started the job held at the time of the event.	Optional
WorkerType	Type of employee at the time of the event.	Optional
WorkerUsualLocation	Location where the worker normally worked.	Optional

Data Element: DataSubmission

Description

Data to be included with each submission to OHSN.

Scope

Required

Data Elements

Contains elements as defined in the following table.

Element	Description
SubmissionDate	Date of submission.
FirstYearMonth	The first month of the time period for the events in this data submission.
LastYearMonth	The last month of the time period for the events in this data submission.
EventTypeSubmitted	The type of events contained within this data submission.
FacilityData	Contains the data specific to a facility allowing multiple facilities to be included in a single submission.

Remarks

FirstYearMonth and LastYearMonth should be in YYYY-MM format. All dates should be in YYYY-MM-DD format.

Data Element: Event

Description

Data to be collected on all events.

Scope

Required

Data Elements

Contains elements as defined in the following table.

Element	Description
EventID	ID of the traumatic injury event.
EventDate	Date that the event, condition, or injury occurred.
EventTime	Time that the event, condition, or injury occurred.
EventReportedDate	Date that the event, condition, or injury was reported to participating OHSN organization.
EventHoursOnDuty	Number of hours the healthcare worker was on duty before the incident.
EventLocation	Location where the event that caused the traumatic injury or exposure occurred.
EventArea	Area of the facility where the injury occurred.
EventMedicalTreatment	The type of medical treatment the healthcare worker received at the time of the injury event.
EventType	Type of event that occurred.
EventDescription	Narrative text that describes what transpired.
EventSeverity	Severity of the event.
Worker	Demographic information about the healthcare worker involved in the event. Note that Healthcare Personnel are defined as the entire population of healthcare workers working in healthcare settings. HCP might include (but are not limited to) physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, dental personnel, pharmacists, laboratory personnel, autopsy personnel, students/ trainees, and volunteers, contractual staff not employed by the healthcare facility (e.g., clerical, dietary, housekeeping, maintenance, and volunteers), regardless of clinical responsibility or patient contact. Healthcare Worker is defined as a person who works in the healthcare facility, whether paid or unpaid, regardless of clinical responsibility or patient contact. Healthcare worker is the singular form of healthcare personnel.
Injury	Supplemental data to be collected for all injury events.
Exposure	Supplemental data to be collected for all exposure events.

Remarks

EventID is a required field that can be up to 15 characters in length. EventID values must be unique for a given facility and not change over time.

EventDescription is an optional field that can hold up to 700 characters of text. The purpose of EventDescription is to capture textual descriptions of the event.

EventSeverity can be determined from other flags, days away from work and days restricted information. For example, if a case has both days away from work and days restricted, specify level 2 indicating the higher of the two severity levels.

In cases where "Other" codes are used for EventArea, EventType, EventLocation or EventMedicalTreatment, it is recommended that supplemental text be provided using the optional text attribute. Supplemental text can be up to 50 characters in length.

All dates should be in YYYY-MM-DD format.

Each Event element must contain a Worker element that describes the injured worker and may also contain an Injury element that describes the traumatic injury event. The Injury element is required for STF, WPV and PHM events and optional for all other event types. The Exposure element is required for BBF and Needlestick events and optional for all other event types.

Data Element: EventArea

Description

Area of the facility where the injury occurred.

Value Set

Value	Description	Notes
EA101	Patient room.	Other than patient bathroom or shower room.
EA102	Patient bathroom.	Patient bathroom or shower room.
EA103	Exam room.	
EA104	Operating Room.	
EA201	Kitchen / dietary / cafeteria / dining / break room.	
EA202	Facility entrance / exit / lobby / foyer.	
EA203	Waiting room area.	
EA204	Corridor / hallway / elevator / stairwell.	
EA205	Nurses' station.	
EA206	Office / workstation.	
EA207	Public bathroom / staff bathroom/ staff locker room.	
EA301	Outside hospital.	Includes parking lot, sidewalk, garage, loading dock.
EA401	Off site home/patient residence.	
EA999	Other room or location not listed above.	
UNK	Unknown.	

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: EventDate

Description

Date that the event, condition, or injury occurred.

Scope

Required

Remarks

The date should be in YYYY-MM-DD format.

Data Element: EventDescription

Description

Narrative text that describes what transpired.

Scope

Optional

Restrictions

- Length of value must be less than or equal to 700.

Data Element: EventHoursOnDuty

Description

Number of hours the healthcare worker was on duty before the incident.

Scope

Optional

Restrictions

- The value must be greater than or equal to 0.
- The value must be less than or equal to 100.
- The number of digits to the right of the decimal point must be less than or equal to 2.

Data Element: EventID

Description

ID of the traumatic injury event.

Scope

Required

Restrictions

- Length of value must be less than or equal to 15.

Data Element: EventLocation

Description

Location where the event that caused the traumatic injury or exposure occurred.

For additional information on how to map your local terms to the EventLocation data element see [Location Terms](#).

Value Set

Value	Description	Notes
LO101	Inpatient-Adult Critical Care Units.	
LO102	Inpatient-Neonatal Units.	
LO103	Inpatient-Pediatric Critical Care Units.	
LO104	Inpatient-Specialty Care Areas.	Adult or pediatric.
LO105	Inpatient-Adult Wards.	E.g., adult medical and/or surgical wards.
LO106	Inpatient-Pediatric Wards.	E.g., pediatric medical and/or surgical wards.
LO107	Inpatient-Step Down Units.	
LO108	Inpatient-Operating Rooms.	
LO109	Inpatient-Long-term Care.	
LO110	Inpatient-Behavioral Health/ Psych Ward.	Adult or pediatric.
LO111	Inpatient-Labor and Delivery.	
LO112	Inpatient-Pre/Post-operative Area.	Inpatient perioperative care for acute care area for the evaluation and management of patients with illness before and/or after surgery.
LO199	Inpatient-Other Locations.	
LO201	Outpatient-Acute Care-Emergency Department/Urgent Care.	
LO202	Outpatient-Acute Care-Ambulatory Surgery/Observation.	
LO203	Outpatient-Clinic (Non-acute) Settings.	
LO204	Outpatient-Community Locations.	E.g., home care, home-based hospice.
LO205	Outpatient-Ambulance air transport.	
LO206	Outpatient-Ambulance ground transport.	
LO299	Outpatient-Other Locations.	
LO301	Procedure Room-Radiology.	Inpatient and/or outpatient.
LO302	Procedure Room-Phlebotomy.	
LO303	Procedure Room-Dialysis.	
LO304	Procedure Room-Cardiac Catheterization Lab.	
LO305	Procedure Room-Endoscopy/Bronchoscopy/Cystoscopy.	
LO399	Procedure Room-Other.	

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Value	Description	Notes
LO401	Non-patient-care Locations-Administrative Areas.	
LO402	Non-patient-care Locations-Laboratories.	
LO403	Non-patient-care Locations-Hospital Maintenance.	Housekeeping, Environmental Services, Kitchen, Engineering, Biomedical Engineering, Plant Maintenance, Loading Dock, Central Trash Area
LO404	Non-patient-care Locations-Pharmacy.	
LO405	Non-patient-care Locations-Morgue.	
LO406	Non-patient-care Locations-Public Areas.	Including cafeteria, waiting rooms, parking lot, etc. These can be further specified by the EventArea values.
LO407	Non-patient-care Locations-Laundry.	
LO408	Non-patient-care Locations-Central Sterile Supply.	
LO409	Non-patient-care Locations-Blood Bank.	
LO499	Non-patient-care Locations-Other.	Use if you know the non-patient location and can't find it otherwise listed. Specify location in field for Event Location Text.
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: EventMedicalTreatment

Description

The type of medical treatment the healthcare worker received at the time of the injury event.

Value Set

Value	Description	Notes
MT1	Hospitalized.	Hospitalized
MT2	Visit to healthcare professional.	Visit to healthcare professional
MT3	First Aid at the scene.	First Aid at the scene
MT4	No medical attention.	No medical attention
MT9	Other (please describe).	Other (please describe)
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: EventReportedDate

Description

Date that the event, condition, or injury was reported to participating OHSN organization.

Scope

Optional

Remarks

The date should be in YYYY-MM-DD format.

Data Element: EventSeverity

Description

Severity of the event.

Value Set

Value	Description	Notes
OS11	OSHA Recordable, Death.	OSHA recordable case – Death.
OS12	OSHA Recordable, Days Away from Work.	OSHA recordable case with days away from work.
OS13	OSHA Recordable, Job Transfer or Restriction.	OSHA recordable case with job transfer/restriction.
OS14	OSHA Recordable, All Other Cases.	An OSHA Recordable case that did not result in death, days away, or job transfer/restriction.
OS20	Not OSHA Recordable.	Injury/illness that is not OSHA recordable. Includes no injury (“near-miss”).
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core (Traumatic Injury)
Optional (Exposure)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: EventTime

Description

Time that the event, condition, or injury occurred.

Scope

Optional

Remarks

The time should be in 24-hour (military) time formatted as hh:mm:ss.

Data Element: EventType

Description

Type of event that occurred.

Value Set

Value	Description	Notes
ET101	Slips, Trips, and Falls (STF).	
ET102	Patient Handling and Movement (PHM).	Includes MSD related to patient handling.
ET103	Workplace Violence (WPV).	
ET104	Contact with Objects and Equipment.	
ET105	MSD (not related to Patient Handling).	
ET106	Transportation Injury.	An injury that occurs while driving or riding in a motor vehicle, not during patient transport within facility.
ET201	Exposure to Blood or Body Fluids.	Contact with blood, visibly bloody fluids, and other body fluids (i.e., semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, peritoneal fluid, pericardial fluid, and amniotic fluid, tissues, and laboratory specimens that contain concentrated virus) to which Standard Precautions apply and during the performance of a health care workers's duties. Includes body fluid splashes, medical waste.
ET202	Needlestick/Sharps Injury.	An exposure event occurring when any sharp object penetrates the skin. This term is interchangeable with "percutaneous injury." Includes needlesticks with or without BBF exposure, other sharps injuries.
ET203	Exposure to Other Biohazard.	Includes insects, mildew, MRSA, meningitis, TB.
ET204	Exposure to Other Harmful Substance or Environment.	Includes fumes, dust, chemicals, fiberglass, electricity, radiation, burns, heat/cold exposure.
ET205	Fire or Explosion.	
ET290	Exposure to Blood, Body Fluids, or Needlestick/Sharps Injury.	Contact with blood, visibly bloody fluids, and other body fluids (i.e., semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, peritoneal fluid, pericardial fluid, and amniotic fluid, tissues, and laboratory specimens that contain concentrated virus) to which Standard Precautions apply and during the performance of a health care worker's duties. Modes of exposure include percutaneous injuries, mucous membrane exposures, non-intact skin exposures, and bites. Includes needlesticks with or without BBF exposure, other sharps injuries, body fluid splashes, medical waste.
ET999	Other Event.	

Scope

Required

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: EventTypeSubmitted

Description

The type of events contained within this data submission.

Value Set

Value	Description	Notes
ET101	Slips, Trips, and Falls (STF).	
ET102	Patient Handling and Movement (PHM).	Includes MSD related to patient handling.
ET103	Workplace Violence (WPV).	
ET104	Contact with Objects and Equipment.	
ET105	MSD (not related to Patient Handling).	
ET106	Transportation Injury.	An injury that occurs while driving or riding in a motor vehicle, not during patient transport within facility.
ET201	Exposure to Blood or Body Fluids.	Contact with blood, visibly bloody fluids, and other body fluids (i.e., semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, peritoneal fluid, pericardial fluid, and amniotic fluid, tissues, and laboratory specimens that contain concentrated virus) to which Standard Precautions apply and during the performance of a health care workers's duties. Includes body fluid splashes, medical waste.
ET202	Needlestick/Sharps Injury.	An exposure event occurring when any sharp object penetrates the skin. This term is interchangeable with "percutaneous injury." Includes needlesticks with or without BBF exposure, other sharps injuries.
ET203	Exposure to Other Biohazard.	Includes insects, mildew, MRSA, meningitis, TB.
ET204	Exposure to Other Harmful Substance or Environment.	Includes fumes, dust, chemicals, fiberglass, electricity, radiation, burns, heat/cold exposure.
ET205	Fire or Explosion.	
ET290	Exposure to Blood, Body Fluids, or Needlestick/Sharps Injury.	Contact with blood, visibly bloody fluids, and other body fluids (i.e., semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, peritoneal fluid, pericardial fluid, and amniotic fluid, tissues, and laboratory specimens that contain concentrated virus) to which Standard Precautions apply and during the performance of a health care worker's duties. Modes of exposure include percutaneous injuries, mucous membrane exposures, non-intact skin exposures, and bites. Includes needlesticks with or without BBF exposure, other sharps injuries, body fluid splashes, medical waste.
ET999	Other Event.	

Scope

Required

Data Element: FacilityData

Description

Contains the data specific to a facility allowing multiple facilities to be included in a single submission.

Scope

Required

Data Elements

Contains elements as defined in the following table.

Element	Description
FacilityID	ID that uniquely identifies the health care facility.
FacilityName	Name of the health care facility.
Event	Data to be collected on all events.

Data Element: FacilityID

Description

ID that uniquely identifies the health care facility.

Scope

Required

Restrictions

- Length of value must be less than or equal to 15.

Data Element: FacilityName

Description

Name of the health care facility.

Scope

Required

Restrictions

- Length of value must be less than or equal to 100.

Data Element: FirstYearMonth

Description

The first month of the time period for the events in this data submission.

Scope

Required

Remarks

Value should be in YYYY-MM format.

Data Element: LastYearMonth

Description

The last month of the time period for the events in this data submission.

Scope

Required

Remarks

Value should be in YYYY-MM format.

Data Element: SubmissionDate

Description

Date of submission.

Scope

Required

Remarks

The date should be in YYYY-MM-DD format.

Data Element: Worker

Description

Demographic information about the healthcare worker involved in the event.

Note that Healthcare Personnel are defined as the entire population of healthcare workers working in healthcare settings. HCP might include (but are not limited to) physicians, nurses, nursing assistants, therapists, technicians, emergency medical service personnel, dental personnel, pharmacists, laboratory personnel, autopsy personnel, students/ trainees, and volunteers, contractual staff not employed by the healthcare facility (e.g., clerical, dietary, housekeeping, maintenance, and volunteers), regardless of clinical responsibility or patient contact.

Healthcare Worker is defined as a person who works in the healthcare facility, whether paid or unpaid, regardless of clinical responsibility or patient contact. Healthcare worker is the singular form of healthcare personnel.

Scope

Core

Data Elements

Contains elements as defined in the following table.

Element	Description
WorkerID	ID of the worker.
WorkerGender	Gender of the worker.
WorkerAge	Age of the worker at the time of the event in years.
WorkerUsualLocation	Location where the worker normally worked.
WorkerOccupation	Occupation of the worker at the time of the event.
WorkerType	Type of employee at the time of the event.
WorkerStartDate	Date the worker started the job held at the time of the event.
WorkerRace	Race of the worker.
WorkerEthnicity	Ethnicity of the worker.

Data Element: WorkerAge

Description

Age of the worker at the time of the event in years.

Scope

Core (Traumatic Injury)

Optional (Exposure)

Remarks

If the age is not known, the value of this element should be set to UNK. Otherwise, the value of this element should contain an integer greater than or equal to 1 and less than or equal to 100.

Data Element: WorkerEthnicity

Description

Ethnicity of the worker.

Value Set

Value	Description	Notes
2135-2	Hispanic or Latino.	A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.
2186-5	Not Hispanic or Latino.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: WorkerGender

Description

Gender of the worker.

Value Set

Value	Description	Notes
F	Female.	
M	Male.	
UN	Undifferentiated.	

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: WorkerID

Description

ID of the worker.

Scope

Optional

Restrictions

- Length of value must be less than or equal to 15.

Data Element: WorkerOccupation

Description

Occupation of the worker at the time of the event.

For additional information on how to map your local terms to the WorkerOccupation data element see [Occupation Terms](#).

Value Set

Value	Description	Notes
OC111	Attending Physician.	
OC112	Intern/Resident.	
OC113	Medical Student.	
OC114	Dentist.	
OC115	Surgeon.	
OC116	Anesthesiologist.	
OC119	Physician, other or unspecified.	
OC121	Registered Nurse.	
OC122	Licensed Practical (Vocational) Nurse.	
OC129	Nurse, other or unspecified.	
OC131	Pharmacist.	
OC132	Pharmacy Technician.	
OC139	Pharmacy, other or unspecified.	
OC140	Nursing assistive personnel.	Includes patient care technicians, patient care assistants, nurse aides.
OC150	Radiology Technician.	Includes ultrasound technicians, nuclear medicine technicians.
OC151	Surgical Technician.	
OC152	EMT/Paramedic.	
OC160	Laboratory professional/technical.	
OC161	Phlebotomist.	
OC170	Respiratory Therapist.	
OC180	Rehabilitation Personnel.	Includes physical therapists, occupational therapists, speech therapists, etc.
OC190	Other Trainee.	Includes nursing students.
OC199	All other personnel-Other patient care staff.	Includes Advanced Registered Nurse Practitioners, Physician Assistants, medical assistants.
OC211	Environment services.	
OC212	Laundry.	

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Value	Description	Notes
OC219	Unspecified housekeeping/laundry.	
OC220	Food service.	
OC230	Security.	
OC299	All other personnel-Other non-patient-care staff.	
OC999	Other, not elsewhere classified.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: WorkerRace

Description

Race of the worker.

Value Set

Value	Description	Notes
1002-5	American Indian or Alaska Native.	A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
2028-9	Asian.	A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
2054-5	Black or African American.	A person having origins in any of the black racial groups of Africa.
2076-8	Native Hawaiian or Other Pacific Islander.	A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
2106-3	White.	A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.
2131-1	Other Race.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: WorkerStartDate

Description

Date the worker started the job held at the time of the event.

Scope

Optional

Data Element: WorkerType

Description

Type of employee at the time of the event.

Value Set

Value	Description	Notes
EM1	Full-time.	Not a contractor. Persons who receive a direct paycheck from the healthcare facility (i.e., on the facility's payroll), regardless of clinical responsibility. Full-time is typically defined as a scheduled work week of 35 hours or more.
EM2	Part-time.	Not a contractor. Persons who receive a direct paycheck from the healthcare facility (i.e., on the facility's payroll), regardless of clinical responsibility or patient contact for less than a 35 hour work week.
EM3	Contractor.	Contract Employee. Persons providing care, treatment, or services at the facility through a contract, regardless of clinical responsibility or patient contact, who do not meet the definition of employees, licensed independent practitioners, or adult students/trainees and volunteers.
EM4	Casual.	Casual or per diem.
EM5	Volunteer.	
EM9	Other.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: WorkerUsualLocation

Description

Location where the worker normally worked.

For additional information on how to map your local terms to the WorkerUsualLocation data element see [Location Terms](#).

Value Set

Value	Description	Notes
LO101	Inpatient-Adult Critical Care Units.	
LO102	Inpatient-Neonatal Units.	
LO103	Inpatient-Pediatric Critical Care Units.	
LO104	Inpatient-Specialty Care Areas.	Adult or pediatric.
LO105	Inpatient-Adult Wards.	E.g., adult medical and/or surgical wards.
LO106	Inpatient-Pediatric Wards.	E.g., pediatric medical and/or surgical wards.
LO107	Inpatient-Step Down Units.	
LO108	Inpatient-Operating Rooms.	
LO109	Inpatient-Long-term Care.	
LO110	Inpatient-Behavioral Health/ Psych Ward.	Adult or pediatric.
LO111	Inpatient-Labor and Delivery.	
LO112	Inpatient-Pre/Post-operative Area.	Inpatient perioperative care for acute care area for the evaluation and management of patients with illness before and/or after surgery.
LO199	Inpatient-Other Locations.	
LO201	Outpatient-Acute Care-Emergency Department/Urgent Care.	
LO202	Outpatient-Acute Care-Ambulatory Surgery/Observation.	
LO203	Outpatient-Clinic (Non-acute) Settings.	
LO204	Outpatient-Community Locations.	E.g., home care, home-based hospice.
LO205	Outpatient-Ambulance air transport.	
LO206	Outpatient-Ambulance ground transport.	
LO299	Outpatient-Other Locations.	
LO301	Procedure Room-Radiology.	Inpatient and/or outpatient.
LO302	Procedure Room-Phlebotomy.	
LO303	Procedure Room-Dialysis.	
LO304	Procedure Room-Cardiac Catheterization Lab.	
LO305	Procedure Room-Endoscopy/Bronchoscopy/Cystoscopy.	
LO399	Procedure Room-Other.	

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Value	Description	Notes
LO401	Non-patient-care Locations-Administrative Areas.	
LO402	Non-patient-care Locations-Laboratories.	
LO403	Non-patient-care Locations-Hospital Maintenance.	Housekeeping, Environmental Services, Kitchen, Engineering, Biomedical Engineering, Plant Maintenance, Loading Dock, Central Trash Area
LO404	Non-patient-care Locations-Pharmacy.	
LO405	Non-patient-care Locations-Morgue.	
LO406	Non-patient-care Locations-Public Areas.	Including cafeteria, waiting rooms, parking lot, etc. These can be further specified by the EventArea values.
LO407	Non-patient-care Locations-Laundry.	
LO408	Non-patient-care Locations-Central Sterile Supply.	
LO409	Non-patient-care Locations-Blood Bank.	
LO499	Non-patient-care Locations-Other.	Use if you know the non-patient location and can't find it otherwise listed. Specify location in field for Event Location Text.
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Exposure Module

Description

Standard Occupational Data Architecture (SODA) Exposure Data Elements.

Data collected in this component of OHSN will help healthcare facilities monitor and report trends in blood/body fluid exposures and to assess the impact of preventive measures.

The Exposure element is a component of the Event element that can be used to provide supplemental information related to a exposure events. This element is required for BBF and Needlestick events. For all other types of events it is optional. In cases where "Other" codes are used for ExposureActivity, ExposureAgent, ExposureDevicePurpose, ExposureDeviceType and ExposureProtectionEquipment it is recommended that supplemental text be provided using the optional text attribute. Supplemental text can be up to 50 characters in length.

Remarks

Note to EPINet Users:

NIOSH consulted with the creators of EPINet to develop the exposure module. EPINet (Exposure Prevention Information Network) is a sharps injury and blood exposure surveillance system. EPINet was developed at the University of Virginia to identify devices and procedures that put healthcare workers at risk of injury and blood exposure. EPINet is a free download available on the NIOSH OHSN website:
<http://www.cdc.gov/niosh/topics/ohsn/>

It is not necessary to use EPINet to participate in the OHSN Exposure module.

See Also

- [Data Elements](#)

Data Elements: Exposure Module

Description

Data Elements

Name	Description	Scope
ExposureActivity	The activity the healthcare worker was performing or other circumstances at the time the event occurred.	Core (SHARPS)
ExposureAgent	The exposure agents involved in the event.	Optional (BBFE)
ExposureAgentContaminatedWithBlood	Indicates whether the exposure agent was visibly contaminated with blood.	Optional (BBFE)
ExposureBleedingSeverity	The level of severity of bleeding that occurred.	Optional (SHARPS)
ExposureContributingFactor	The primary factor contributing to the exposure of a healthcare worker.	Optional (BBFE)
ExposureDeviceContaminatedWithBlood	Indicates whether the device was contaminated with blood.	Optional (SHARPS)
ExposureDeviceKit	Indicates whether the device was included as part of a kit.	Optional (SHARPS)
ExposureDeviceProtection	The type of protection mechanism used by the device that caused a sharps injury during the exposure event.	Optional (SHARPS)
ExposureDevicePurpose	The purpose of the device that caused a sharps injury.	Core (SHARPS)
ExposureDeviceSafetyDesign	Indicates whether the device included a safety design.	Optional (SHARPS)
ExposureDeviceType	The type of device that caused a sharps injury during the exposure event.	Core (SHARPS)
ExposureDose	The amount of exposure that the healthcare worker received.	Optional (BBFE)
ExposureDuration	The length of time that the healthcare worker was exposed.	Optional (BBFE)
ExposureInjuryTiming	Indicates when the injury happened with regards to safety feature activation.	Optional (SHARPS)
ExposureOriginalUser	Indicates whether the injured healthcare worker was the original user of the sharps device.	Optional (SHARPS)
ExposureProtectionActivated	Indicates whether the protection mechanism was activated during the event.	Core (SHARPS)
ExposureProtectionBody	Outermost item worn on body at time of exposure.	Optional (BBFE)
ExposureProtectionEye	Outermost eye protection worn at time of exposure.	Optional (BBFE)
ExposureProtectionHand	Hand protection worn at time of exposure.	Optional (BBFE)

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Name	Description	Scope
ExposureProtectionMouthNose	Mouth/Nose protection worn at time of exposure.	Optional (BBFE)
ExposureRoute	The route through which exposure occurred.	Core (BBFE)
ExposureSite	The primary body part of the healthcare worker that was exposed. These codes are based on Occupational Injury and Illness Classification System (OIICS). Refer to http://wwwn.cdc.gov/wisards/oiics/	Optional
ExposureSource	The primary source of the healthcare worker's exposure/health condition.	Optional (BBFE)
ExposureSourceIdentifiable	Indicates whether the source patient can be identified	Optional
ExposureStageOfUse	The stage of use of a device when the needlestick injury occurred.	Core (SHARPS)

Data Element: ExposureActivity

Description

The activity the healthcare worker was performing or other circumstances at the time the event occurred.

Value Set

Value	Description	Notes
UNK	Unknown.	No information about activity at time of exposure is known.
XAC201	While Inserting, Manipulating, or Withdrawing Needle in Line.	
XAC203	While Inserting, Manipulating or Withdrawing Needle in Patient.	
XAC205	Manipulating Suture Needle in Holder.	
XAC206	Disassembling Device or Equipment.	
XAC207	In Preparation for Reuse or Reusable Instrument.	
XAC208	Suturing.	
XAC209	Collided with Co-Worker or Other Person.	
XAC210	Sharp Object Dropped.	
XAC211	Passing, Receiving, or Transferring Equipment or Instruments.	
XAC212	While Recapping Used Needle.	
XAC213	Withdrawing a Needle from Rubber or Other Resistant Material.	
XAC214	Device Malfunction.	
XAC215	Between Steps of a Multi-Step Procedure.	Incremental injections, etc.
XAC303	Decontamination/Processing of Used Equipment.	Decontamination means the use of physical or chemical means to remove, inactivate, or destroy bloodborne pathogens on a surface or item to the point where they are no longer capable of transmitting infectious particles and the surface or item is rendered safe for handling, use, or disposal.
XAC305	Activating Safety Device.	Includes any safety device (e.g., needless IV systems, blunted surgical needles, self-sheathing needles) used at the healthcare facility.
XAC306	Handling Equipment on Tray or Stand.	

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Architecture (SODA)

Value	Description	Notes
XAC307	Opening/Breaking Glass Containers.	
XAC308	Processing Specimens.	
XAC309	Transferring Blood/Body Fluids into Specimen Container.	
XAC401	Device Left on Floor, Table, Bed or Other Inappropriate Place.	
XAC402	From Item Left On or Near Disposal Container.	
XAC403	While putting Item into Disposal Container.	
XAC404	Over-filled Sharps Container.	
XAC405	While Manipulating Container.	
XAC406	After Disposal, Stuck by Item Protruding from Opening of Disposal Container.	
XAC407	Item Pierced Side of Disposal Container.	
XAC408	After Disposal, Item Protruded from Trash Bag or Inappropriate Waste Container.	
XAC409	In Transit to Disposal.	
XAC999	Other Activity.	

Scope

Core (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureAgent

Description

The exposure agents involved in the event.

Value Set

Value	Description	Notes
UNK	Unknown.	
XAG100	Blood/blood products.	Human blood, human blood components, and products made from human blood.
XAG201	Vomit.	
XAG202	Sputum.	
XAG203	Saliva.	
XAG204	CSF.	
XAG205	Peritoneal fluid.	
XAG206	Pleural fluid.	
XAG207	Amniotic fluid.	
XAG208	Urine.	
XAG301	IV fluid.	
XAG901	Multiple.	
XAG999	Other Agent.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureAgentContaminatedWithBlood

Description

Indicates whether the exposure agent was visibly contaminated with blood.

Value Set

Value	Description	Notes
N	No.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureBleedingSeverity

Description

The level of severity of bleeding that occurred.

Value Set

Value	Description	Notes
BS01	Superficial (little or no bleeding).	
BS02	Moderate (skin punctured, some bleeding).	
BS03	Severe (deep stick/cut, or profuse bleeding).	
UNK	Unknown.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureContributingFactor

Description

The primary factor contributing to the exposure of a healthcare worker.

Value Set

Value	Description	Notes
XCF01	Unprotected Skin.	
XCF02	Gap in Protective Garments.	Personal Protective Equipment (PPE) is specialized clothing or equipment worn by an employee for protection against a hazard. General work clothes (e.g., uniforms, pants, shirts or blouses) not intended to function as protection against a hazard are not considered to be personal protective equipment.
XCF03	Soak through Barrier Garment or Protective Garment.	Personal Protective Equipment (PPE) is specialized clothing or equipment worn by an employee for protection against a hazard. General work clothes (e.g., uniforms, pants, shirts or blouses) not intended to function as protection against a hazard are not considered to be personal protective equipment.
XCF04	Soak through Clothing.	
XCF91	Multiple factors.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDeviceContaminatedWithBlood

Description

Indicates whether the device was contaminated with blood.

Value Set

Value	Description	Notes
N	No.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDeviceKit

Description

Indicates whether the device was included as part of a kit.

Value Set

Value	Description	Notes
N	No.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDeviceProtection

Description

The type of protection mechanism used by the device that caused a sharps injury during the exposure event.

Value Set

Value	Description	Notes
UNK	Unknown.	
XDM01	Blunting.	
XDM02	Hinged cap.	
XDM03	Retractable.	
XDM04	Sliding sheath.	
XDM99	Other.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDevicePurpose

Description

The purpose of the device that caused a sharps injury.

Value Set

Value	Description	Notes
UNK	Unknown.	A proper value is applicable, but not known.
XDP01	Intra-muscular Injection through the Skin.	
XDP02	Subcutaneous Injection through the Skin.	
XDP03	Injection through the Skin, other or unspecified.	
XDP04	Heparin or Saline Flush.	
XDP05	Other Injection into (or aspiration from) IV injection site or IV Port.	
XDP06	To Connect IV line.	
XDP07	To Start IV or Set up Heparin Lock.	
XDP08	To Draw Venous Blood Sample.	
XDP09	To Draw Arterial Blood Sample.	
XDP10	To Place an Arterial/Central Line.	
XDP11	To Obtain a Body Fluid or Tissue Sample.	
XDP12	Fingerstick/Heel Stick.	
XDP13	Suturing muscle or fascia.	
XDP14	Suturing skin.	
XDP15	Suturing, other or unspecified.	
XDP16	Cutting.	
XDP17	Drilling.	
XDP18	Cautery.	Includes electric, heat and chemical cautery.
XDP19	To Contain a Specimen or Pharmaceutical.	
XDP99	Other.	

Scope

Core (SHARPS)

Attributes

Name	Required?	Description
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text	No	Text description of the corresponding code.
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Data Element: ExposureDeviceSafetyDesign

Description

Indicates whether the device included a safety design.

Value Set

Value	Description	Notes
N	No.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDeviceType

Description

The type of device that caused a sharps injury during the exposure event.

Value Set

Value	Description	Notes
UNK	Unknown.	A proper value is applicable, but not known.
XDT101	Disposable Needle on Syringe.	
XDT102	Pre-filled Cartridge Syringe.	With hypodermic needle
XDT103	Blood Gas Syringe.	With hypodermic needle
XDT104	Syringe, Other Type.	With hypodermic needle
XDT105	Needle on IV Line.	
XDT106	Winged Steel Needle.	
XDT107	IV Catheter Stylet.	
XDT108	Vacuum Tube Blood Collection Holder/Needle.	
XDT109	Spinal or Epidural Needle.	
XDT110	Unattached Hypodermic Needle.	
XDT111	Arterial Catheter Needle.	
XDT112	Central Line Catheter Needle.	
XDT113	Drum Catheter Needle.	
XDT114	Other Vascular Catheter Needle.	
XDT115	Other non-vascular catheter needle.	
XDT116	Huber-like needle or port-access needle.	
XDT199	Other Hollow-Bore Needle.	Needle (e.g., hypodermic needle, phlebotomy needle) with a lumen through which material (e.g., medication, blood) can flow.
XDT201	Lancet.	
XDT204	Razor.	
XDT205	Pipette (plastic).	
XDT206	Scissors.	
XDT207	Cautery Device.	Includes electric, heat and chemical cautery devices.
XDT208	Bone Cutter.	
XDT209	Bone Chip/Fingernails/Teeth.	
XDT210	Towel Clip.	
XDT211	Microtome Blade.	
XDT212	Trocar.	
XDT213	Vacuum Tube (plastic).	
XDT214	Specimen/Test Tube (plastic).	
XDT217	Retractors, Skin/Bone Hooks.	

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Value	Description	Notes
XDT218	Staples/Steel Sutures.	
XDT219	Wire.	
XDT220	Pin.	
XDT221	Drill Bit/Bur.	
XDT222	Pickups/Forceps/Hemostats/Clamps.	
XDT231	Scalpel, Disposable.	
XDT232	Scalpel, Reusable.	
XDT239	Scalpel, Unspecified.	
XDT241	Blunt suture needle.	
XDT242	Sharp tip suture needle.	
XDT249	Suture needle, unspecified.	
XDT299	Other Sharp Item.	
XDT301	Medication Ampule.	
XDT302	Medication Vial.	
XDT303	Medication IV Bottle.	
XDT304	Pipette (glass).	
XDT305	Vacuum tube (glass).	
XDT306	Specimen/Test Tube (glass).	
XDT307	Capillary Tube.	
XDT308	Glass Slide.	
XDT399	Other Glass Item.	

Scope

Core (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDose

Description

The amount of exposure that the healthcare worker received.

Value Set

Value	Description	Notes
XDS01	Small Amount.	
XDS02	Moderate Amount.	
XDS03	Large Amount.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureDuration

Description

The length of time that the healthcare worker was exposed.

Value Set

Value	Description	Notes
XDU01	Less than 5 Minutes.	
XDU02	5-14 Minutes.	
XDU03	15 Minutes to 1 Hour.	
XDU04	More than 1 Hour.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureInjuryTiming

Description

Indicates when the injury happened with regards to safety feature activation.

Value Set

Value	Description	Notes
NA	Not Applicable.	
UNK	Unknown.	
XIT01	Before activation.	
XIT02	During activation.	
XIT03	After activation.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureOriginalUser

Description

Indicates whether the injured healthcare worker was the original user of the sharps device.

Value Set

Value	Description	Notes
N	No.	
NA	Not Applicable.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Optional (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureProtectionActivated

Description

Indicates whether the protection mechanism was activated during the event.

Value Set

Value	Description	Notes
FAIL	Activation failed.	
N	Not activated.	
NA	Not Applicable.	
UNK	Unknown.	
Y	Fully activated.	

Scope

Core (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureProtectionBody

Description

Outermost item worn on body at time of exposure.

Value Set

Value	Description	Notes
XBP01	Barrier garment (on top of uniform).	
XBP02	Uniform/clothing/scrubs.	
XBP03	Isolation Gown.	
XBP04	Surgical Gown.	
XBP05	Plastic Apron.	
XBP06	Lab Coat, Cloth.	
XBP07	Lab Coat, Disposable (vs cloth).	
XBP90	Nothing.	No body protection worn
XBP99	Other.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureProtectionEye

Description

Outermost eye protection worn at time of exposure.

Value Set

Value	Description	Notes
XEP01	Face shield.	These transparent sheets of plastic extend from the eyebrows to below the chin and across the entire width of the employee's head. Some are polarized for glare protection. Face shields protect against nuisance dusts and potential splashes or sprays of hazardous liquids but will not provide adequate protection against impact hazards. Face shields used in combination with goggles or safety spectacles will provide additional protection against impact hazards.
XEP02	Goggles.	These are tight-fitting eye protection that completely cover the eyes, eye sockets and the facial area immediately surrounding the eyes and provide protection from impact, dust and splashes. Some goggles will fit over corrective lenses.
XEP03	Eyeglasses with Side shields.	Safety spectacles. These protective eyeglasses have safety frames constructed of metal or plastic and impact-resistant lenses. Side shields are available on some models.
XEP04	Eyeglasses (not a protective item).	
XEP90	Nothing.	No eye protection worn
XEP99	Other.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureProtectionHand

Description

Hand protection worn at time of exposure.

Value Set

Value	Description	Notes
XHP01	Single Pair Gloves.	
XHP02	Double Pair Gloves.	
XHP90	Nothing.	No hand protection worn
XHP99	Other.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureProtectionMouthNose

Description

Mouth/Nose protection worn at time of exposure.

Value Set

Value	Description	Notes
XMP01	Respirator.	PPE designed to reduce exposure to airborne contaminants. Respirators form a tight seal between the wearer's face and the respirator. Includes particulate respirators such as N95, air purifying respirators such as half or full-face cartridge respirators and powered air-purifying respirators (PAPR) as well as atmosphere supplying respirators such as self-contained breathing apparatuses (SCBA) or supplied-air respirators.
XMP02	Face shield.	These transparent sheets of plastic extend from the eyebrows to below the chin and across the entire width of the employee's head. Some are polarized for glare protection. Face shields protect against nuisance dusts and potential splashes or sprays of hazardous liquids but will not provide adequate protection against impact hazards. Face shields used in combination with goggles or safety spectacles will provide additional protection against impact hazards.
XMP03	Surgical Mask.	A loose-fitting, disposable mask that covers the nose and mouth intended to prevent the spread of large droplets by the person wearing the mask, and to keep splashes and sprays from reach in the nose and mouth of the person wearing the mask. Also know as face masks, procedure mask, isolation masks, dental masks or laser masks. Does not include respirators.
XMP90	Nothing.	No mouth/nose protection worn
XMP99	Other.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureRoute

Description

The route through which exposure occurred.

Value Set

Value	Description	Notes
UNK	Unknown or Not Applicable.	
XRT100	Percutaneous.	An exposure event occurring when a needle or other sharp object penetrates the skin.
XRT101	Intact Skin.	
XRT102	Non-Intact Skin.	Areas of the skin that have been opened by cuts, abrasions, dermatitis, chapped skin, etc.
XRT201	Eyes.	
XRT202	Nose.	
XRT203	Mouth.	
XRT299	Mucous Membrane, Other.	
XRT301	On PPE or Barrier garment (not including gloves).	Personal Protective Equipment (PPE) is specialized clothing or equipment worn by an employee for protection against a hazard. General work clothes (e.g., uniforms, pants, shirts or blouses) not intended to function as protection against a hazard are not considered to be personal protective equipment.
XRT302	On uniform/clothing/scrubs.	
XRT901	Multiple routes.	
XRT999	Other.	

Scope

Core (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureSite

Description

The primary body part of the healthcare worker that was exposed.

These codes are based on Occupational Injury and Illness Classification System (OIICS).

Refer to <http://wwwn.cdc.gov/wisards/oiiics/>

Value Set

Value	Description	Notes
1	Head, including face.	Uppermost parts of the body. This region consists of the skull, its contents, and related external structures.
2	Neck, including throat.	Portion of the body that connects the head to the torso or trunk. This region is bounded by the jaw/chin and cranial region to the top and the shoulder to the bottom.
31	Chest, including ribs and internal organs.	Frontal region of the body or thorax. It is bounded by the respiratory diaphragm or abdomen below, the shoulder above, and the back in the rear
32	Back, including spine and spinal cord.	Posterior part of the trunk that is bounded by the neck and the pelvis.
33	Abdomen.	Portion of the body which lies between the thorax and the pelvis.
34	Pelvic region.	Lower portion of the trunk or torso that supports the lower extremities. This region is bounded by the coccyx of the vertebral column, the abdomen and the legs.
41	Shoulder, including clavicle and scapula.	Region where the arm(s) join the trunk and includes the armpit.
42	Arms.	Upper extremities from the area above the wrist up to the shoulder and includes the mid-shaft (311) and distal (312) parts of the humerus. The proximal humerus and armpit are coded as the shoulder (21).
43	Wrists.	Region between the forearm and the hand.
44	Hand(s), except finger(s).	Part of the upper extremity at the end of the forearm. Select this code whether the injury or illness involves hand(s) from the right, left, or both arms.
442	Finger(s), fingernail(s).	Digits of the hand.
51	Legs.	Lower extremities between the hip and the ankle.
52	Ankles.	Hinge joint area between the foot and the lower leg.
53	Foot(feet), except toe(s).	Final or lowest extremity of the leg.
532	Toe(s), toenail(s).	Digits of the foot.
6	Body Systems.	Applies when the functioning of an entire body system has been affected without specific injury to any other part of the body.

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Value	Description	Notes
80	Multiple body parts.	Applies when more than one part of body is injured or exposed.
9	Other body parts.	This major group classifies other parts of the body.
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureSource

Description

The primary source of the healthcare worker's exposure/health condition.

Value Set

Value	Description	Notes
UNK	Unknown.	
XSR01	Direct Patient Contact.	
XSR02	Specimen Container Leaked/Spilled.	
XSR03	Specimen Container Broke.	
XSR04	IV Tubing/Bag/Pump Leaked/Broke.	
XSR05	Feeding/Ventilator/other Tube Separated/Leaked/Splashed.	
XSR06	Other Body Fluid Container Spilled/Leaked.	
XSR07	Touched Contaminated Equipment/Surface.	Contaminated means the presence or the reasonably anticipated presence of blood or other potentially infectious materials on an item or surface.
XSR08	Touched Contaminated Drapes/Sheets/Gowns,etc..	Contaminated means the presence or the reasonably anticipated presence of blood or other potentially infectious materials on an item or surface.
XSR99	Other.	

Scope

Optional (BBFE)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureSourceIdentifiable

Description

Indicates whether the source patient can be identified

Value Set

Value	Description	Notes
N	No.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: ExposureStageOfUse

Description

The stage of use of a device when the needlestick injury occurred.

Value Set

Value	Description	Notes
UNK	Unknown.	
XSU10	Before Use of Item.	
XSU20	During Use of Item.	
XSU30	After Use Before Disposal.	
XSU40	During or After Disposal.	

Scope

Core (SHARPS)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Traumatic Injury Module

Description

Standard Occupational Data Architecture (SODA) Traumatic Injury Data Elements.

Remarks

The Injury element is a component of the Event element that can be used to provide supplemental information related to a traumatic injury. This element is required for STF, WPV and PHM events. For all other types of events it is optional.

In cases where "Other" codes are used for InjuryBodyPart, InjuryNature, InjurySource, InjuryContributingFactor, InjuryActivity or InjuryPrevention, it is recommended that supplemental text be provided using the optional text attribute. Supplemental text can be up to 50 characters in length.

See Also

- [Data Elements](#)

Data Elements: Traumatic Injury Module

Data Elements

Name	Description	Scope
InjuryActivity	The activity the healthcare worker was performing at the time the event occurred.	Core (PHM)
InjuryAssaultType	The type of assault that occurred.	Core (WPV)
InjuryBodyPart	The primary body part of the healthcare worker that was injured or exhibits a health condition. These codes are based on Occupational Injury and Illness Classification System (OIICS). Refer to http://wwwn.cdc.gov/wisards/oiics/	Optional
InjuryContributingFactor	The primary factor contributing to the injury of a healthcare worker.	Core (WPV)
InjuryEquipmentUsed	Indicates whether equipment was used while moving the patient.	Core (PHM)
InjuryFallType	The type of fall that occurred.	Core (STF)
InjuryNature	The primary nature of the healthcare worker's injury/health condition.	Optional
InjuryPrevention	Recommended strategy for preventing the injury event in the future.	Optional
InjurySource	The primary source of the healthcare worker's injury/health condition.	Core (STF)

Data Element: InjuryActivity

Description

The activity the healthcare worker was performing at the time the event occurred.

Value Set

Value	Description	Notes
AC111	STF: Making occupied bed.	
AC121	STF: Carrying, pushing or pulling a load.	
AC131	STF: Walking.	
AC141	STF: Running.	
AC151	STF: Awkward posture.	Reaching, stretching, twisting, bending, or some other awkward posture
AC161	STF: Cleaning.	Includes washing, waxing, sweeping, dusting, making (unoccupied) beds, etc
AC199	STF: Other.	
AC211	PHM: Hygiene: Bathing patient in bed.	
AC212	PHM: Hygiene: Bathing/toileting patient in bathroom.	
AC213	PHM: Hygiene: Dressing/Undressing or diapering patient.	Includes applying or removing TED hose.
AC219	PHM: Hygiene: Other.	
AC231	PHM: Positioning: Positioning/Repositioning in bed or stretcher.	
AC232	PHM: Positioning: Positioning/Repositioning in chair.	Includes wheel chair, dependency chair, etc.
AC239	PHM: Positioning: Other.	
AC241	PHM: Responding to patient medical emergency.	For example, Code blue.
AC251	PHM: Sustained Lifting /Holding of body part/s.	For example, holding patient leg/s for sterilization or holding a retractor during thoracic surgery for hours.
AC261	PHM: Transfer: Transferring/Lifting to/from bed or chair.	Includes transferring/lifting to/from bed, chair, wheel chair, dependency chair, toilet, car, etc.
AC262	PHM: Transfer: Transferring/Lifting from floor.	
AC263	PHM: Transfer: Lateral transfer of patient to/from bed.	To/from stretcher/exam table/surgical lift/trolley.

NIOSH Standard Occupational Data
Architecture (SODA)

Value	Description	Notes
AC264	PHM: Transfer: Transferring/Lifting deceased patient.	
AC269	PHM: Transfer: Other.	
AC271	PHM: Transport: Moving patient by wheelchair.	
AC272	PHM: Transport: Moving patient by stretcher, bed, litter, trolley, etc..	
AC273	PHM: Transport: Escorting patient without equipment.	
AC279	PHM: Transport: Other.	
AC281	PHM: Assisting patient to walk.	
AC299	PHM: Other.	
AC311	WPV: Interaction with Patient: Assisting.	Any activity assisting or providing care to the patient, where the patient causes the incident.
AC312	WPV: Interaction with Patient: Dispute.	
AC319	WPV: Interaction with Patient: Other.	
AC321	WPV: Interaction with Co-worker: Assisting.	Any activity assisting a co-worker, where the co-worker causes the incident.
AC322	WPV: Interaction with Co-worker: Dispute.	
AC329	WPV: Interaction with Co-worker: Other.	
AC331	WPV: Interaction with Visitor: Domestic Dispute.	
AC332	WPV: Interaction with Visitor: Non-domestic Dispute.	
AC339	WPV: Interaction with Visitor: Other.	
AC341	WPV: Intervening in assault on another person.	
AC342	WPV: Intervening in an assault on property.	
AC343	WPV: Involved in an assault without preceding interaction with perpetrator.	
AC399	WPV: Other.	
AC999	Other activity.	
UNK	Unknown.	

Scope

Core (PHM)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryAssaultType

Description

The type of assault that occurred.

Value Set

Value	Description	Notes
IA01	Verbal assault.	
IA02	Assault against property.	
IA03	Physical assault to person.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core (WPV)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryBodyPart

Description

The primary body part of the healthcare worker that was injured or exhibits a health condition.

These codes are based on Occupational Injury and Illness Classification System (OIICS).

Refer to <http://www.cdc.gov/wisards/oicis/>

Value Set

Value	Description	Notes
1	Head, including face.	Uppermost parts of the body. This region consists of the skull, its contents, and related external structures.
2	Neck, including throat.	Portion of the body that connects the head to the torso or trunk. This region is bounded by the jaw/chin and cranial region to the top and the shoulder to the bottom.
31	Chest, including ribs and internal organs.	Frontal region of the body or thorax. It is bounded by the respiratory diaphragm or abdomen below, the shoulder above, and the back in the rear
32	Back, including spine and spinal cord.	Posterior part of the trunk that is bounded by the neck and the pelvis.
33	Abdomen.	Portion of the body which lies between the thorax and the pelvis.
34	Pelvic region.	Lower portion of the trunk or torso that supports the lower extremities. This region is bounded by the coccyx of the vertebral column, the abdomen and the legs.
41	Shoulder, including clavicle and scapula.	Region where the arm(s) join the trunk and includes the armpit.
42	Arms.	Upper extremities from the area above the wrist up to the shoulder and includes the mid-shaft (311) and distal (312) parts of the humerus. The proximal humerus and armpit are coded as the shoulder (21).
43	Wrists.	Region between the forearm and the hand.
44	Hand(s), except finger(s).	Part of the upper extremity at the end of the forearm. Select this code whether the injury or illness involves hand(s) from the right, left, or both arms.
442	Finger(s), fingernail(s).	Digits of the hand.
51	Legs.	Lower extremities between the hip and the ankle.
52	Ankles.	Hinge joint area between the foot and the lower leg.
53	Foot(feet), except toe(s).	Final or lowest extremity of the leg.
532	Toe(s), toenail(s).	Digits of the foot.

NIOSH Standard Occupational Data
Architecture (SODA)

Value	Description	Notes
6	Body Systems.	Applies when the functioning of an entire body system has been affected without specific injury to any other part of the body.
80	Multiple body parts.	Applies when more than one part of body is injured or exposed.
9	Other body parts.	This major group classifies other parts of the body.
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryContributingFactor

Description

The primary factor contributing to the injury of a healthcare worker.

Value Set

Value	Description	Notes
CF1101	STF: Shoe with open back.	
CF1102	STF: Non-slip-resistant shoe.	
CF1199	STF: Other.	
CF2101	PHM: Patient factor: Slipped.	Patient slipped, tripped, fell, or lost balance.
CF2102	PHM: Patient factor: Sudden movement.	Patient made sudden or unpredictable movement.
CF2103	PHM: Patient factor: Uncooperative.	
CF2104	PHM: Patient factor: Patient equipment or tubes.	
CF2105	PHM: Patient factor: Patient size or weight.	
CF2106	PHM: Patient factor: Patient's inability to assist.	
CF2199	PHM: Patient factor: Other.	
CF2201	PHM: Equipment not used: No equipment available.	
CF2202	PHM: Equipment not used: Refused by patient or family.	
CF2203	PHM: Equipment not used: Equipment not accessible.	E.g. equipment needs to be transferred from another room.
CF2204	PHM: Equipment not used: Equipment not suitable for use.	E.g., equipment not clean or not working.
CF2205	PHM: Equipment not used: Difficult to use.	E.g., equipment not user friendly.
CF2206	PHM: Equipment not used: Space constraints.	
CF2207	PHM: Equipment not used: Lack of training.	Lack of training in the use of the equipment.
CF2208	PHM: Equipment not used: Urgent medical situation.	

NIOSH Standard Occupational Data
Architecture (SODA)

Value	Description	Notes
CF2299	PHM: Equipment not used: Other reason.	
CF3101	WPV: Patient: Anesthesia recovery.	
CF3102	WPV: Patient: Anger related to system.	Anger related to the health care system in general.
CF3103	WPV: Patient: Anger related to situation.	Anger related to the patient's situation or condition.
CF3104	WPV: Patient: Anger related to policies.	Anger at staff members related to enforcement of hospital policies.
CF3105	WPV: Patient: Anger related to wait.	Anger related to long wait times.
CF3106	WPV: Patient: Cognitive dysfunction.	Includes hypoxic patient, confused patient, unrelated to anesthesia recovery.
CF3107	WPV: Patient: Influenced by medication.	
CF3108	WPV: Patient: Mental or behavioral health problems.	
CF3109	WPV: Patient: Substance abuse.	
CF3199	WPV: Patient: Other.	
CF3201	WPV: Worker: Anger between co-workers.	
CF3202	WPV: Worker: Mental or behavioral health problems.	
CF3203	WPV: Worker: Substance abuse.	
CF3299	WPV: Worker: Other.	
CF3301	WPV: Visitor: Anger related to system.	Anger related to the health care system in general.
CF3302	WPV: Visitor: Anger related to situation.	Anger related to the patient's situation or condition.
CF3303	WPV: Visitor: Anger related to policies.	Anger at staff members related to enforcement of hospital policies.
CF3304	WPV: Visitor: Anger related to wait.	Anger related to long wait times.
CF3305	WPV: Visitor: Domestic dispute with HCW.	
CF3306	WPV: Visitor: Domestic dispute with patient.	
CF3307	WPV: Visitor: Mental or behavioral health problems.	
CF3308	WPV: Visitor: Substance abuse.	

NIOSH Standard Occupational Data
Architecture (SODA)

Value	Description	Notes
CF3399	WPV: Visitor: Other.	
CF9999	Other.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core (WPV)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryEquipmentUsed

Description

Indicates whether equipment was used while moving the patient.

Value Set

Value	Description	Notes
N	No.	
UNK	Unknown.	A proper value is applicable, but not known.
Y	Yes.	

Scope

Core (PHM)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryFallType

Description

The type of fall that occurred.

Value Set

Value	Description	Notes
IF01	Fall on same level.	Includes fall to upper level
IF02	Fall to lower level.	
NA	Not Applicable.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core (STF)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryNature

Description

The primary nature of the healthcare worker's injury/health condition.

Value Set

Value	Description	Notes
111	Fractures.	Traumatic injuries that result in fractures of bones or teeth.
121	Dislocation (displacement and subluxation).	Displacement or dislocation of bone or cartilage.
123	Sprains, strains, tears.	Cases of sprains and strains of muscles, joints tendons, and ligaments. Includes edema.
13	Open wounds.	Involving open wounds, broken skin, or outward opening, beyond the superficial skin surface, e.g., lacerations or puncture wounds.
131	Amputations.	Traumatic loss of a limb or other external body part. For an injury to be classified in this group, bone must be lost.
14	Surface wounds and bruises.	Traumatic bruises and other injuries that occur to the surface of the body and generally do not involve open wounds. Includes skin disorders, needlesticks, other sharps injuries.
15	Burns.	Tissue damage resulting from a variety of sources including heat, flame, hot substances, lightning, radiation, heat, extremely cold objects, and electricity.
16	Intracranial injury.	Traumatic injuries to the cranium or skull and the structures within.
18	Multiple traumatic injuries and disorders.	Combinations of traumatic injuries or disorders of different types.
19	Other traumatic injuries and disorders.	Traumatic injuries or disorders that are not assigned to the other major groups.
194	Internal injuries to organs and blood vessels of the trunk.	Traumatic injuries involving internal organs or blood vessels of the trunk and are not classified in any other major group.
1971	Crushing injuries.	
1972	Soreness, pain, hurt.	
1978	Multiple nonspecified injuries and disorders.	
9999	Nonclassifiable.	Insufficient information to select even an unspecified code at the division level or there appears to be no injury or illness. Includes "Near-Miss."
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

NIOSH Standard Occupational Data
Architecture (SODA)

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjuryPrevention

Description

Recommended strategy for preventing the injury event in the future.

Value Set

Value	Description	Notes
PR101	STF: Redesign of work area.	
PR102	STF: Shoe policy.	
PR199	STF: Other.	
PR201	PHM: Having more patient lifting equipment.	
PR202	PHM: Having properly working lifting equipment.	
PR299	PHM: Other.	
PR301	WPV: Restricted movement of public.	
PR302	WPV: Security devices (e.g. metal detectors, cameras, panic buttons).	(e.g. metal detectors, cameras, panic buttons)
PR399	WPV: Other.	
PR401	General: Safety training.	
PR501	General: Higher staff to patient ratios (staffing patterns).	
PR999	Other, please specify.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Optional

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Data Element: InjurySource

Description

The primary source of the healthcare worker's injury/health condition.

Value Set

Value	Description	Notes
IS101	STF Hazard: Contaminant.	Includes water, soap, body fluid, grease/oil, coffee, wax, gel, slick, slippery not otherwise classified.
IS102	STF Hazard: Cord or tubing.	Includes hose, medical tubing, phone cord, nurse call cord, equipment cords.
IS103	STF Hazard: Object.	Includes tripping over or getting caught on objects or items on floor, propped against wall, or in the pathway.
IS104	STF Hazard: Ice or snow.	
IS105	STF Hazard: Surface irregularity.	Includes surface irregularities due to buckled, loose, or damaged mat, carpeting, or rug; when some part of the walking surface is irregular; cracked tiles; loose gravel, door guards; etc.
IS106	STF Hazard: A curb or wheel stop.	
IS107	STF Hazard: Steps, stairs, or handrail.	
IS108	STF Hazard: Slip/fall from chair.	
IS199	STF Hazard: Other.	
IS211	PHM Equipment: Full Body Sling Lift – Ceiling Lift.	
IS212	PHM Equipment: Full Body Sling Lift – Floor-based Lift.	
IS219	PHM Equipment: Full Body Sling Lift – Other.	
IS220	PHM Equipment: Sit-to-Stand Lift.	
IS231	PHM Equipment: Air Assisted Lateral Transfer Device.	
IS232	PHM Equipment: Mechanical Lateral Transfer Device.	
IS233	PHM Equipment: Friction-reducing Lateral Transfer Device.	Includes slide sheet.
IS239	PHM Equipment: Lateral Transfer Device – Other.	

NIOSH Standard Occupational Data
Architecture (SODA)

Value	Description	Notes
IS241	PHM Equipment: Repositioning Aid for Bed/Chair.	
IS242	PHM Equipment: Motorized Bed/Stretcher/Wheelchair.	
IS243	PHM Equipment: Specialty Function Bed.	
IS244	PHM Equipment: Shower Chair.	
IS245	PHM Equipment: Height Adjustable Exam Table.	
IS246	PHM Equipment: Gait Belt.	
IS299	PHM: Other.	
IS301	WPV: Weapon: Firearm.	
IS302	WPV: Weapon: Knife.	Excluding eating utensil knife.
IS303	WPV: Weapon: Bar, rod, club, stick.	
IS304	WPV: Weapon: Building Materials.	Includes door, window, floor, wall.
IS305	WPV: Weapon: Medical instrument or equipment.	
IS306	WPV: Weapon: Food, utensils, meal tray.	
IS307	WPV: Weapon: Bodily Fluids or substances of person.	
IS309	WPV: Weapon: Other.	
IS311	WPV: Persons (without weapon).	Includes bites and blows. Does not apply to PHM events. A bite is defined as a human bite sustained by a HCW from a patient, other HCW, or visitor.
IS399	WPV: Other.	
IS401	General Source: Chemicals and chemical products.	
IS402	General Source: Containers.	
IS403	General Source: Furniture and fixtures.	
IS404	General Source: Machinery.	
IS405	General Source: Parts and Materials.	
IS407	General Source: Plants, animals, and minerals.	

NIOSH Standard Occupational Data
Architecture (SODA)

Value	Description	Notes
IS408	General Source: Structures and surfaces.	Other than STF hazards.
IS409	General Source: Tools, instruments, and equipment.	Other than STF hazards or weapons.
IS410	General Source: Vehicles.	
IS499	General Source: Other.	
UNK	Unknown.	A proper value is applicable, but not known.

Scope

Core (STF)

Attributes

Name	Required?	Description
text	No	Text description of the corresponding code.

Frequently Used Terms

Most facilities have hundreds of job titles and locations that need to be mapped to standard OHSN codes. Together with the OHSN Conversion tool, the following sections can be used to help map these local terms to standard OHSN codes.

- [Location Terms](#)
- [Occupation Terms](#)

Location Terms

To Use: Find your location term in the left column, listed alphabetically. This will correspond to the OHSN Code and Text in the right 2 columns.

Frequently Used Location Terms	OHSN Code	OHSN Text
Inpatient-Pre/Post-operative Area	LO112	Inpatient-Pre/Post-operative Area
Outpatient-Ambulance air transport	LO205	Outpatient-Ambulance air transport
Outpatient-Ambulance ground transport	LO206	Outpatient-Ambulance ground transport
Procedure Room-Other	LO399	Procedure Room-Other
Procedure Room-Phlebotomy	LO302	Procedure Room-Phlebotomy
Unknown	UNK	Unknown
Acute Care	LO201	Outpatient-Acute Care-Emergency Department/Urgent Care
Acute Dialysis Unit	LO303	Procedure Room-Dialysis
Administrative area, in any department	LO401	Non-patient-care Locations-Administrative Areas
Admitting	LO406	Non-patient-care Locations-Public Areas
Adolescent Behavioral Health	LO110	Inpatient-Behavioral Health/ Psych Ward
Adult Medical Ward or Surgical Ward	LO105	Inpatient-Adult Wards
Adult Step-Down Unit	LO107	Inpatient-Step Down Units
Allergy Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Ambulance	LO299	Outpatient-Other Locations
Ambulatory Surgery	LO202	Outpatient-Acute Care-Ambulatory Surgery/Observation
Angiography	LO108	Inpatient-Operating Rooms
Antenatal Care Ward (Adult)	LO105	Inpatient-Adult Wards
Behavioral Health (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Biomedical Engineering	LO403	Non-patient-care Locations-Hospital Maintenance
Blood bank	LO409	Non-patient-care Locations-Blood Bank
Blood Collection (not a van/mobile) in a location not designed for healthcare (ex – school gym)	LO204	Outpatient-Community Locations
Blood Collection (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Bone Marrow Transplant	LO104	Inpatient-Specialty Care Areas
Burn Critical Care	LO101	Inpatient-Adult Critical Care Units
Burn Ward (Adult)	LO105	Inpatient-Adult Wards
Burn Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Cafeteria	LO406	Non-patient-care Locations-Public Areas
Cardiac Catheterization Room	LO304	Procedure Room-Cardiac Catheterization Lab
Cardiac Rehab (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings

NIOSH Standard Occupational Data
Architecture (SODA)

Frequently Used Location Terms	OHSN Code	OHSN Text
Cardiology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Case Management	LO401	Non-patient-care Locations-Administrative Areas
Central Sterile Supply	LO408	Non-patient-care Locations-Central Sterile Supply
Central Trash Area	LO403	Non-patient-care Locations-Hospital Maintenance
Cesarean Section Room	LO111	Inpatient-Labor and Delivery
Childbirth Education	LO203	Outpatient-Clinic (Non-acute) Settings
Community Location	LO204	Outpatient-Community Locations
Continence (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Critical Care Unit	LO101	Inpatient-Adult Critical Care Units
CT Scan	LO301	Procedure Room-Radiology
Dermatology Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Diabetes Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Dietary	LO403	Non-patient-care Locations-Hospital Maintenance
Ear/Nose/Throat (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Ear/Nose/Throat (Pediatric)	LO106	Inpatient-Pediatric Wards
Ear/Nose/Throat Ward (Adult)	LO105	Inpatient-Adult Wards
Education, staff	LO401	Non-patient-care Locations-Administrative Areas
Emergency Department	LO201	Outpatient-Acute Care-Emergency Department/Urgent Care
Endocrinology Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Endoscopy Suite	LO305	Procedure Room-Endoscopy/Bronchoscopy/Cystoscopy
Engineering	LO403	Non-patient-care Locations-Hospital Maintenance
Environmental Services	LO403	Non-patient-care Locations-Hospital Maintenance
Family Medicine (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Financial services	LO406	Non-patient-care Locations-Public Areas
Food service	LO403	Non-patient-care Locations-Hospital Maintenance
Gastrointestinal Ward (Adult)	LO105	Inpatient-Adult Wards
Genetics (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Genitourinary (Pediatric)	LO106	Inpatient-Pediatric Wards
Genitourinary Ward (Adult)	LO105	Inpatient-Adult Wards
Gerontology Ward	LO105	Inpatient-Adult Wards
Grounds	LO403	Non-patient-care Locations-Hospital Maintenance
Gynecology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings

NIOSH Standard Occupational Data
Architecture (SODA)

Frequently Used Location Terms	OHSN Code	OHSN Text
Gynecology Ward (Adult)	LO105	Inpatient-Adult Wards
Hematology/Oncology	LO104	Inpatient-Specialty Care Areas
Holistic Medicine (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Home Care	LO204	Outpatient-Community Locations
Home-based Hospice	LO204	Outpatient-Community Locations
Housekeeping	LO403	Non-patient-care Locations-Hospital Maintenance
Hyperbaric Oxygen (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Infection Control	LO199	Inpatient-Other Locations
Infusion (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Inpatient Hospice	LO109	Inpatient-Long-term Care
Inpatient Treatment Room	LO199	Inpatient-Other Locations
Intensive Care Unit	LO101	Inpatient-Adult Critical Care Units
Interventional Radiology	LO108	Inpatient-Operating Rooms
Jail Unit	LO105	Inpatient-Adult Wards
Kitchen	LO403	Non-patient-care Locations-Hospital Maintenance
Labor / Delivery/Recovery/Postpartum	LO111	Inpatient-Labor and Delivery
Laboratory (Inpatient or Outpatient)	LO402	Non-patient-care Locations-Laboratories
Laundry ** Updated **	LO407	Non-patient-care Locations-Laundry
Loading Dock	LO403	Non-patient-care Locations-Hospital Maintenance
Long Term Acute Care	LO104	Inpatient-Specialty Care Areas
Long-Term Care Alzheimer's Unit	LO109	Inpatient-Long-term Care
Long-Term Care Behavioral Health/Psych Unit	LO109	Inpatient-Long-term Care
Long-Term Care Rehab Unit	LO109	Inpatient-Long-term Care
Long-Term Care, non-acute	LO109	Inpatient-Long-term Care
Medical Airport	LO499	Non-patient-care Locations-Other
Medical Cardiac Critical Care	LO101	Inpatient-Adult Critical Care Units
Medical Critical Care	LO101	Inpatient-Adult Critical Care Units
Medical Education	LO401	Non-patient-care Locations-Administrative Areas
Medical Intensive Care Unit	LO101	Inpatient-Adult Critical Care Units
Medical Pediatric Ward	LO106	Inpatient-Pediatric Wards
Medical Records	LO401	Non-patient-care Locations-Administrative Areas
Medical Ward (Adult)	LO105	Inpatient-Adult Wards
Medical/Surgical Critical Care	LO101	Inpatient-Adult Critical Care Units
Medical/Surgical Ward (Adult)	LO105	Inpatient-Adult Wards
Medical/Surgical Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Mixed Acuity Ward (Adult)	LO105	Inpatient-Adult Wards

NIOSH Standard Occupational Data
Architecture (SODA)

Frequently Used Location Terms	OHSN Code	OHSN Text
Mixed Acuity Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Mobile Blood collection center (van/mobile)	LO203	Outpatient-Clinic (Non-acute) Settings
Mobile Health	LO204	Outpatient-Community Locations
Mobile MRI/CT	LO301	Procedure Room-Radiology
Morgue	LO405	Non-patient-care Locations-Morgue
MRI	LO301	Procedure Room-Radiology
Neonatal Critical Care, all levels	LO102	Inpatient-Neonatal Units
Neurologic Critical Care	LO101	Inpatient-Adult Critical Care Units
Neurology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Neurology Ward (Adult)	LO105	Inpatient-Adult Wards
Neurosurgical Critical Care	LO101	Inpatient-Adult Critical Care Units
Neurosurgical Ward (Adult)	LO105	Inpatient-Adult Wards
Neurosurgical Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Non-patient care location, not otherwise listed	LO499	Non-patient-care Locations-Other
Nuclear Imaging	LO301	Procedure Room-Radiology
Nursery	LO102	Inpatient-Neonatal Units
Observation	LO202	Outpatient-Acute Care-Ambulatory Surgery/Observation
Occupational Health (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Occupational Therapy (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Operating Room	LO108	Inpatient-Operating Rooms
Ophthalmology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Ophthalmology Ward (Adult)	LO105	Inpatient-Adult Wards
Orthopedic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Orthopedic Trauma Ward (Adult)	LO105	Inpatient-Adult Wards
Orthopedic Ward (Adult)	LO105	Inpatient-Adult Wards
Orthopedic Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Ostomy (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient Behavioral Health	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient clinic, non-acute	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient Dental	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient GI	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient Hematology/Oncology	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient Hemodialysis	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient HIV	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient Medical	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient Rehab	LO203	Outpatient-Clinic (Non-acute) Settings
Outpatient, not otherwise listed	LO299	Outpatient-Other Locations
Pain Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Paramedic	LO299	Outpatient-Other Locations

Frequently Used Location Terms	OHSN Code	OHSN Text
Parking lot	LO406	Non-patient-care Locations-Public Areas
Pastoral Care	LO199	Inpatient-Other Locations
Pathology Unit	LO402	Non-patient-care Locations-Laboratories
Patient Transportation	LO199	Inpatient-Other Locations
Pediatric Behavioral Health (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Bone Marrow Transplant	LO104	Inpatient-Specialty Care Areas
Pediatric Burn Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Burn Ward	LO106	Inpatient-Pediatric Wards
Pediatric Cardiology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Cardiothoracic Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Dental (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Dermatology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Diabetes/Endocrinology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Dialysis	LO104	Inpatient-Specialty Care Areas
Pediatric Ear/Nose/Throat	LO106	Inpatient-Pediatric Wards
Pediatric Gastrointestinal (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Genitourinary	LO106	Inpatient-Pediatric Wards
Pediatric Hematology/Oncology	LO104	Inpatient-Specialty Care Areas
Pediatric Hematology/Oncology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Long-Term Acute Care	LO104	Inpatient-Specialty Care Areas
Pediatric Medical Cardiac Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Medical Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Medical/Surgical Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Medical/Surgical Ward	LO106	Inpatient-Pediatric Wards
Pediatric Mixed Acuity Ward	LO106	Inpatient-Pediatric Wards
Pediatric Nephrology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Neurosurgery Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Neurosurgical Ward	LO106	Inpatient-Pediatric Wards
Pediatric Orthopedic Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Orthopedic Ward	LO106	Inpatient-Pediatric Wards
Pediatric Outpatient Clinics	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Rehab Ward	LO106	Inpatient-Pediatric Wards
Pediatric Respiratory Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Rheumatology Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Scoliosis Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pediatric Solid Organ Transplant	LO104	Inpatient-Specialty Care Areas
Pediatric Step-Down Unit	LO107	Inpatient-Step Down Units
Pediatric Surgical Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pediatric Surgical Ward	LO106	Inpatient-Pediatric Wards

Frequently Used Location Terms	OHSN Code	OHSN Text
Pediatric Trauma Critical Care	LO103	Inpatient-Pediatric Critical Care Units
Pharmacy	LO404	Non-patient-care Locations-Pharmacy
Physical Therapy (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Physician's office (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Plant Maintenance	LO403	Non-patient-care Locations-Hospital Maintenance
Plastic Surgery Ward (Adult)	LO105	Inpatient-Adult Wards
Podiatry (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Post Anesthesia Care Unit	LO108	Inpatient-Operating Rooms
Postpartum Ward	LO105	Inpatient-Adult Wards
Prenatal Care (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Prenatal Critical Care	LO101	Inpatient-Adult Critical Care Units
Pulmonary (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Pulmonary Function Testing	LO199	Inpatient-Other Locations
Pulmonary Ward (Adult)	LO105	Inpatient-Adult Wards
Radiology	LO301	Procedure Room-Radiology
Recovery Room	LO108	Inpatient-Operating Rooms
Registration	LO406	Non-patient-care Locations-Public Areas
Rehab Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Rehabilitation Ward (Adult)	LO105	Inpatient-Adult Wards
Renal Dialysis, Inpatient	LO104	Inpatient-Specialty Care Areas
Respiratory Critical Care	LO101	Inpatient-Adult Critical Care Units
Respiratory Therapy	LO105	Inpatient-Adult Wards
Rheumatology (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
School Infirmary (inpatient)	LO105	Inpatient-Adult Wards
School/Prison infirmary (outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Security	LO499	Non-patient-care Locations-Other
Short Stay	LO202	Outpatient-Acute Care-Ambulatory Surgery/Observation
Sleep Center	LO202	Outpatient-Acute Care-Ambulatory Surgery/Observation
Sleep Studies	LO199	Inpatient-Other Locations
Solid Organ Transplant	LO104	Inpatient-Specialty Care Areas
Specimen Collection Area in Healthcare Building (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Specimen collection in area not designed for healthcare	LO204	Outpatient-Community Locations
Speech Therapy (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Staffing	LO401	Non-patient-care Locations-Administrative Areas
Step down Neonatal Nursery	LO102	Inpatient-Neonatal Units
Step-Down Unit (Adult or Pediatric)	LO107	Inpatient-Step Down Units

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Frequently Used Location Terms	OHSN Code	OHSN Text
Sterile Plant Processing	LO408	Non-patient-care Locations-Central Sterile Supply
Stroke (Acute) Unit	LO105	Inpatient-Adult Wards
Surgical Cardiothoracic Critical Care	LO101	Inpatient-Adult Critical Care Units
Surgical Critical Care	LO101	Inpatient-Adult Critical Care Units
Surgical Services (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Surgical Suite	LO108	Inpatient-Operating Rooms
Surgical Ward (Adult)	LO105	Inpatient-Adult Wards
Surgical Ward (Pediatric)	LO106	Inpatient-Pediatric Wards
Switchboard	LO403	Non-patient-care Locations-Hospital Maintenance
Telemetry Unit (Adult)	LO105	Inpatient-Adult Wards
Transitional Care Unit	LO105	Inpatient-Adult Wards
Trauma Critical Care	LO101	Inpatient-Adult Critical Care Units
Ultrasound	LO301	Procedure Room-Radiology
Urgent Care	LO201	Outpatient-Acute Care-Emergency Department/Urgent Care
Valet Services	LO406	Non-patient-care Locations-Public Areas
Vascular Surgery Ward (Adult)	LO105	Inpatient-Adult Wards
Ventilator Dependent Unit	LO109	Inpatient-Long-term Care
Volunteer Services	LO401	Non-patient-care Locations-Administrative Areas
Waiting room	LO406	Non-patient-care Locations-Public Areas
Well Baby (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Well Baby Nursery	LO102	Inpatient-Neonatal Units
Wound Center (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
Wound Ostomy Continence Clinic (Outpatient)	LO203	Outpatient-Clinic (Non-acute) Settings
X-Ray	LO301	Procedure Room-Radiology

Occupation Terms

To Use: Find your location term in the left column, listed alphabetically. This will correspond to the OHSN Code and Text in the right 2 columns.

Frequently Used Occupation Terms	OHSN Code	OHSN Text
Anesthesiologist	OC116	Anesthesiologist
Environment services	OC211	Environment services
Laundry	OC212	Laundry
Nurse, other or unspecified	OC129	Nurse, other or unspecified
Other, not elsewhere classified	OC999	Other, not elsewhere classified
Pharmacy, other or unspecified	OC139	Pharmacy, other or unspecified
Physician, other or unspecified	OC119	Physician, other or unspecified
Surgeon	OC115	Surgeon
Surgical Technician	OC151	Surgical Technician
Unknown	UNK	Unknown
Unspecified housekeeping/laundry	OC219	Unspecified housekeeping/laundry
Advanced Registered Nurse Practitioners	OC199	All other personnel-Other patient care staff
Angiography technician	OC150	Radiology Technician
Cafeteria Worker	OC299	All other personnel-Other non-patient-care staff
Chaplain	OC199	All other personnel-Other patient care staff
Dentist, attending	OC114	Dentist
Dietician	OC199	All other personnel-Other patient care staff
Doctor, attending	OC111	Attending Physician
Echo technician	OC150	Radiology Technician
Endoscopy tech	OC199	All other personnel-Other patient care staff
Exercise physiologist	OC180	Rehabilitation Personnel
Fellow, medical/dental	OC112	Intern/Resident
Food Service	OC220	Food service
Intern, medical/dental	OC112	Intern/Resident
Interpreter	OC199	All other personnel-Other patient care staff
Laboratory professional/technical	OC160	Laboratory professional/technical
Licensed Practical Nurse (LPN)	OC122	Licensed Practical (Vocational) Nurse
Licensed Vocational Nurse	OC122	Licensed Practical (Vocational) Nurse
Massage Therapist	OC199	All other personnel-Other patient care staff
MD, attending	OC111	Attending Physician
Medical assistants	OC199	All other personnel-Other patient care staff
Medical Student	OC113	Medical Student
Minister	OC199	All other personnel-Other patient care staff
Nuclear medicine technicians	OC150	Radiology Technician

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Frequently Used Occupation Terms	OHSN Code	OHSN Text
Nurse aides	OC140	Nursing assistive personnel
Nurse assistant	OC140	Nursing assistive personnel
Nursing Assistive Personnel	OC140	Nursing assistive personnel
Nursing Student	OC190	Other Trainee
Nutritionist	OC199	All other personnel-Other patient care staff
Occupational therapists	OC180	Rehabilitation Personnel
Paramedics	OC152	EMT/Paramedic
Pastoral Care	OC199	All other personnel-Other patient care staff
Patient care assistants	OC140	Nursing assistive personnel
Patient Care Technicians (PCTs)/nursing assistants	OC140	Nursing assistive personnel
Patient transporter	OC199	All other personnel-Other patient care staff
Pharmacist	OC131	Pharmacist
Pharmacy Tech	OC132	Pharmacy Technician
Phlebotomists	OC161	Phlebotomist
Physical therapists	OC180	Rehabilitation Personnel
Physician Assistants	OC199	All other personnel-Other patient care staff
Physician, Attending	OC111	Attending Physician
Radiology Technician	OC150	Radiology Technician
Registered Nurse	OC121	Registered Nurse
Rehabilitation Personnel	OC180	Rehabilitation Personnel
Resident, medical/dental	OC112	Intern/Resident
Respiratory Therapist	OC170	Respiratory Therapist
Security Guard	OC230	Security
Social Worker	OC199	All other personnel-Other patient care staff
Speech therapists	OC180	Rehabilitation Personnel
Technicians-patient care	OC199	All other personnel-Other patient care staff
Trainee	OC190	Other Trainee
Ultrasound technicians	OC150	Radiology Technician