

## AORN Syntegrity® Content

### Transmissible Infectious Disease Screening Documentation

This documentation is intended to record patient specific data collected from the systematic examination for known or suspected infection or colonization with highly infectious or epidemiologically important pathogens for which additional precautions are needed to prevent the spreading in the practice setting.

### CMS Guidance for Infection Control and prevention of Coronavirus Disease (COVID – 19)

The COVID-19 pandemic is an ongoing challenge to the medical profession and guidance on screening these patients is continually changing. The Center for Medicare and Medicaid Services provides the following guidance to help triage patients for potential COVID-19 symptoms.

*Before or immediately upon arrival for appointments, healthcare facilities should ask about the following:*

1. *Fever or symptoms of a respiratory infection, such as a cough and sore throat;*
2. *International travel within the last 14 days to CDC Level 3 risk countries. For updated information on restricted countries visit: <https://www.cdc.gov/coronavirus/2019-ncov/travelers/index.html>;*
3. *Contact with someone with known or suspected COVID-19;*
4. *Residing in a community where community-based spread of COVID-19 is occurring.*

Center for Medicare & Medicaid Services. Guidance for Infection Control and Prevention of Coronavirus Disease (COVID-19) in Outpatient Settings: FAQs and Considerations. QSO-20-22-ASC, CORF, CMHC, OPT, RHC/FQHCs. <https://www.cms.gov/files/document/qso-20-22-asc-corf-cmhc-opt-rhc-fqhcs.pdf>. Published March 30, 2020. Accessed April 16, 2020.

### Clinical Practice Support Hyperlinks

The hyperlinks are intended to be created within your EHR to support the understanding and procedures relating to Transmissible Infection Prevention. The hyperlinks are managed by AORN Syntegrity® and, once placed within your EHR, will not require modification, even if the webpage is moved or its address is changed by the organization hosting it. To support our members and the entire perioperative community during the novel coronavirus (COVID-19) pandemic, AORN is currently giving free access to the eGuidelines Plus. Hyperlinks that are associated to AORN eGuidelines Plus will be accessible without a subscription during this time.

Hyperlink Label	Hyperlink Address
AORN COVID-19 Clinical Support	<a href="https://www.aorn.org/covid19support">https://www.aorn.org/covid19support</a>
CDC Travel Notices	<a href="https://www.aorn.org/reflink/cdc-travel-notice">https://www.aorn.org/reflink/cdc-travel-notice</a>
WHO Disease Outbreak News	<a href="https://www.aorn.org/reflink/who-dons">https://www.aorn.org/reflink/who-dons</a>
AORN Transmission-Based Precautions Guideline - Quick View	<a href="https://www.aorn.org/reflink/transmission-based-precautions">https://www.aorn.org/reflink/transmission-based-precautions</a>
AORN Pre- and Postoperative Cleaning Checklist	<a href="https://www.aorn.org/reflink/cleaning-checklist">https://www.aorn.org/reflink/cleaning-checklist</a>
AORN Cleaning - Special Conditions Checklist	<a href="https://www.aorn.org/reflink/special-cleaning-checklist">https://www.aorn.org/reflink/special-cleaning-checklist</a>
AORN Environmental Cleaning Guideline - Quick View	<a href="https://www.aorn.org/reflink/environmental-cleaning">https://www.aorn.org/reflink/environmental-cleaning</a>
AORN Environmental Cleaning - FAQ	<a href="https://www.aorn.org/reflink/faq-environmental-cleaning">https://www.aorn.org/reflink/faq-environmental-cleaning</a>

## Perioperative Nursing Data Set (PNDS) Codes

The Perioperative Nursing Data Set (PNDS) is a standardized nursing vocabulary specifically developed for use in perioperative nursing documentation. The AORN Syntegrity documentation contains the appropriate mappings to PNDS concepts. The PNDS mappings enables perioperative nurses to complete their care plan by simply documenting when using the AORN Syntegrity content. The PNDS concepts below are attached to the grouping of documentation provided in this critical release.

<b>Code</b>	<b>Label</b>
A.350	Assesses risk factors for infection.
Im.300	Implements aseptic technique
Im.300.1	Provides protection from cross-contamination
Im.300.2	Manges traffic control

## Developers Notes

### Documentation Grouping Level

We highly recommend creating links directly within the EHR to CDC Outbreak information, organization infectious disease policy and procedures, as well as training resources for the various levels of isolation a patient may require. Providing hyperlinks to current CDC outbreak information within the EHR is crucial to ensure practitioners are able to research potential relationships between the patient's condition, travel, and social history.

### Primary field #1: Does any of the following apply to the patient?

There are several locations within the Transmissible Infectious Disease Screening which alert the provider that a higher level of isolation is required for a patient. We suggest attaching a notification to these alerts which informs infection control of the patient status and current location.

### Primary field #2: Staff contact log - Staff name

If facility technologies allow, documentation for staff contact should be automated based on radio-frequency identification (RFID) or real-time location system (RTLS) data captured by a clinical geospatial tracking system.

## Documentation Model

- **Grouping: Transmissible Infectious Disease Screening**
  - **Primary Field 1: Does any of the following apply to the patient?**
  - **Primary Field:** Document Does any of the following apply to the patient?, List - multi select: Fever within the past two weeks, Fever and rash within the past two weeks, Fever and respiratory distress within the past two weeks, Fever and travel to CDC identified at-risk region within the past two weeks, Recent contact with an individual who has a known infection, Travel to CDC identified at-risk region within the past two weeks, Other
    - **Conditional Field (L1):** If Other is selected, document Other, Text field
    - **Conditional Field (L1):** If Fever within the past two weeks or Fever and travel to CDC identified at-risk region within the past two weeks is selected, document Did the patient present with a fever upon initial assessment?, List - single select: Yes, No
      - **Conditional Field (L2):** If Yes is selected, document Does the patient report recent vomiting or diarrhea?, List - single select: Yes, No

- **Conditional Field (L3):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field
- **Conditional Field (L3):** If No is selected, document Does the patient appear toxic or have any signs or symptoms of viral hemorrhagic fever?, List - single select: Yes, No
  - **Conditional Field (L4):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field
  - **Conditional Field (L4):** If No is selected, display Place the Patient in standard precautions., Information to display (optional) field
- **Conditional Field (L2):** If No is selected, display Place the Patient in standard precautions., Information to display (optional) field
- **Conditional Field (L1):** If Fever and rash within the past two weeks is selected, document Did the patient present with a fever and rash upon initial assessment?, List - single select: Yes, No
  - **Conditional Field (L2):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field
  - **Conditional Field (L2):** If No is selected, document Has the patient been exposed to or do they exhibit symptoms commonly found in measles, chickenpox, zoster, smallpox, or meningococcal infections?, List - single select: Yes, No
    - **Conditional Field (L3):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field
    - **Conditional Field (L3):** If No is selected, display Place the Patient in standard precautions., Information to display (optional) field
- **Conditional Field (L1):** If Fever and respiratory distress within the past two weeks is selected, document Did the patient present with a fever and respiratory distress upon initial assessment?, List - single select: Yes, No
  - **Conditional Field (L2):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field
  - **Conditional Field (L2):** If No is selected, document Has the patient been in contact with anyone, during recent travel, who presented with a febrile respiratory illness which developed within 14 days of the patient's return home?, List - single select: Yes, No
    - **Conditional Field (L3):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field
    - **Conditional Field (L3):** If No is selected, document Is the patient part of an cluster of persons with similar symptoms of unknown etiology, suspected of having a high consequence infectious disease, or did they experience a health care related exposure?, List - single select: Yes, No
      - **Conditional Field (L4):** If Yes is selected, display Alert: Implement airborne isolation procedures and consult with Infection Control to perform a high consequence infectious disease assessment to determine what additional actions may be needed., Information to display (optional) field

- **Conditional Field (L4):** If No is selected, document Place the Patient in standard precautions., List - single select
- **Conditional Field (L1):** If Recent contact with an individual who has a known infection is selected, document What was the patient exposed to?, List - multi select: Blood Borne Pathogens, Carbapenem-resistant Enterobacteriaceae (CRE), Chicken Pox, Clostridium difficile (C-dif), Cold/Virus, COVID-19, Creutzfeldt-Jakob Disease (CJD), Ebola Virus Disease (EVD), Hepatitis, Influenza, Measles, Meningococcal, Methicillin Resistant Staphylococcus Aureus (MRSA), Methicillin Resistant Staphylococcus Aureus (MRSA) Culture, Methicillin Sensitive Staphylococcus Aureus (MSSA), Methicillin Sensitive Staphylococcus Aureus (MSSA) Culture, Mumps, Pneumonia, Tuberculosis (TB), Unknown Origin, Urinary Tract Infection (UTI), Vancomycin-Resistant Enterococci (VRE), Viral Hemorrhagic Fever(VHF), Zika Virus, Other
  - **Conditional Field (L2):** If Other is selected, document Other, Text field
- **Conditional Field (L1):** If Fever and travel to CDC identified at-risk region within the past two weeks or Travel to CDC identified at-risk region within the past two weeks is selected, document Recent/relevant travel history, List - multi select: Inside the US, Outside the US
  - **Conditional Field (L2):** If Inside the US is selected, document State, List - multi select: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming
    - **Conditional Field (L3):** If any value is selected, document Date arrived, Date field
    - **Conditional Field (L3):** If any value is selected, document Date departed, Date field
  - **Conditional Field (L2):** If Outside the US is selected, document Country, List - multi select: Afghanistan; Albania; Algeria; American Samoa; Andorra; Angola; Anguilla (U.K.); Antarctica; Antigua and Barbuda; Argentina; Armenia; Aruba; Australia; Austria; Azerbaijan; Azores; Bahama; Bahamas; Bahrain; Bangladesh; Barbados; Belarus; Belgium; Belize; Benin; Bermuda(U.K.); Bhutan; Bolivia; Bonaire; Bosnia and Herzegovina; Botswana; Brazil; British Indian Ocean Territory (U.K.); Brunei; Brunei Darussalam; Bulgaria; Burkina Faso; Burma (Myanmar); Burundi; Cambodia; Cameroon; Canada; Canary Islands (Spain); Cape Verde; Cayman Islands (U.K.); Central African Republic; Chad; Chile; China; Christmas Island (Australia); Cocos (Keeling) Islands (Australia); Colombia; Comoros; Congo, Republic of the; Cook Islands (New Zealand); Costa Rica; Côte d'Ivoire; Croatia; Cuba; Curaçao; Cyprus; Czech Republic; Democratic People's Republic of Korea; Democratic Republic of the Congo; Denmark; Djibouti; Dominica; Dominican Republic; Easter Island (Chile); Ecuador; Egypt; El Salvador; Equatorial Guinea; Eritrea; Estonia; Ethiopia; Falkland Islands (Islas Malvinas); Faroe Islands (Denmark); Fiji; Finland; France; French Guiana (France); French Polynesia (France); Gabon; Gambia; Georgia; Germany; Ghana; Gibraltar (U.K.); Greece; Greenland (Denmark); Grenada; Guadeloupe; Guam (U.S.); Guatemala; Guinea; Guinea-Bissau; Guyana; Haiti; Honduras; Hong Kong SAR (China); Hungary; Iceland; India; Indonesia; Iran; Iraq; Ireland; Israel; Italy; Jamaica; Japan; Jordan; Kazakhstan; Kenya; Kiribati; Kosovo; Kuwait; Kyrgyzstan; Lao People's Democratic Republic; Laos; Latvia; Lebanon; Lesotho; Liberia; Libya; Libyan Arab Jamahiriya; Liechtenstein; Lithuania; Luxembourg; Macau SAR (China); Macedonia; Madagascar; Madeira Islands (Portugal); Malawi; Malaysia; Maldives; Mali; Malta; Marshall Islands; Martinique (France); Mauritania; Mauritius; Mayotte (France); Mexico; Micronesia (Federated States of); Micronesia, Federated States of; Moldova; Monaco; Mongolia; Montenegro; Montserrat; Morocco; Mozambique; Myanmar; Namibia; Nauru; Nepal; Netherlands; New Caledonia (France); New Zealand; Nicaragua; Niger; Nigeria; Niue; Niue (New Zealand); Norfolk Island (Australia); North Korea; Northern Mariana Islands (U.S); Norway; Oman; Pakistan; Palau; Panama; Papua New Guinea; Paraguay; Peru; Philippines;

Pitcairn Islands (U.K.); Poland; Portugal; Puerto Rico (U.S.); Qatar; Réunion (France); Romania; Russia; Rwanda; Saba; Saint Barthelemy; Saint Helena (U.K.); Saint Kitts and Nevis; Saint Lucia; Saint Martin; Saint Pierre and Miquelon (France); Saint Vincent and the Grenadines; Samoa; San Marino; Sao Tome and Principe; São Tomé and Príncipe; Saudi Arabia; Senegal; Serbia; Seychelles; Sierra Leone; Singapore; Sint Eustatius; Sint Maarten; Slovakia; Slovenia; Solomon Islands; Somalia; South Africa; South Korea; South Sudan; Spain; Sri Lanka; Sudan; Suriname; Swaziland; Sweden; Switzerland; Syria; Taiwan; Tajikistan; Tanzania; Thailand; Timor-Leste (East Timor); Togo; Tokelau (New Zealand); Tonga; Trinidad and Tobago; Tunisia; Turkey; Turkmenistan; Turks and Caicos Islands (U.K.); Tuvalu; Uganda; Ukraine; United Arab Emirates; United Kingdom; United Republic of Tanzania; United States of America; Uruguay; Uzbekistan; Vanuatu; Venezuela; Viet Nam; Virgin Islands (British); Virgin Islands (U.S.); Wake Island; Western Sahara; Yemen; Zambia; Zimbabwe

- **Conditional Field (L3):** If any value is selected, document Date arrived, Date field
  - **Conditional Field (L3):** If any value is selected, document Date departed, Date field
- **Conditional Field (L1):** If any value is selected, document Comment, Memo (optional) field
- **Primary Field 2: Staff contact log - Staff name**
- **Primary Field:** Document Staff contact log - Staff name, Facility List - single select
  - **Conditional Field (L1):** If any value is selected, document Time of initial contact:, Datetime field
  - **Conditional Field (L1):** If any value is selected, document Time of final contact:, Datetime field

## Grouping and Field Type Definitions

- Grouping: Commonly referred to as a “Segment” or “Form” within an EHR. A grouping is a cluster of documentation which is related in purpose. A grouping consists of a single primary field or numerous primary fields.
- Primary Field: A primary field is the most basic level of a field within an EHR. Documentation within a form begins with a primary field which can be further defined through the use of conditional fields.
- Conditional Field: A conditional field is used to further define the data being captured by a primary field. For example, if a body site is documented as part of a primary field a conditional field can be used to further define the laterality of that body site. Not all EHR’s are able to utilize conditional logic. In EHR’s that cannot render this logic it is appropriate to simply include conditional fields within the same plane as a primary field but identified in a way that would indicate that they only need to be addressed if their primary field is utilized during the patient care episode.

## Data Types Definitions

- Datetime: Any variation of a date format which identifies a day, month, and year as well as a time of day capable to identify a specific hour and minute of an event occurrence. (E.g. MM/DD/YYYY HH:MM)
- Date: Any variation of a date format which identifies a day, month, and year. (E.g. MM/DD/YYYY)

- Memo: A free text field without a character limit. (E.g. Varchar(Max))
- Text: A free text field meant to contain small amounts of information. (E.g. Varchar(255))
- Facility List: A list of values distinct to the facility in which they were developed and are used. Either identified as single-select, indicating that only one value may be chosen from the list, or multi-select, indicating that any combination or number of values may be chosen from the list.
- List: A list of selectable values. Either identified as single-select, indicating that only one value may be chosen from the list, or multi-select, indicating that any combination or number of values may be chosen from the list.
- Information to Display (Optional): Information commonly requested as a “pop up box” or “information flag”. This data type does not require any further action by the documenter but is intended to inform them of critical alerts based on their EHR documentation.

## References

New York City Department of Health and Mental Hygiene, *Guidance Document for Development of Protocols for Management of Patients Presenting to Hospital Emergency Departments and Clinics with Potentially Communicable Diseases of Public Health Concern*.

<https://www1.nyc.gov/assets/doh/downloads/pdf/em/screening-isolation-acute-care.pdf>. Accessed March 24, 2020.

Minnesota Department of Health, *High Consequence Infectious Disease (HCID) Screening Guidance*.

<https://www.health.state.mn.us/diseases/hcid/hcidscreen.pdf>. Accessed March 24, 2020.

Mehta S, Screening for and Prevention of Infectious Diseases in Special Populations. Johns Hopkins Medicine.

[https://www.hopkinsguides.com/hopkins/view/Johns\\_Hopkins\\_ABX\\_Guide/540678/all/Screening\\_for\\_and\\_Pr](https://www.hopkinsguides.com/hopkins/view/Johns_Hopkins_ABX_Guide/540678/all/Screening_for_and_Pr)

[vention of Infectious Diseases in Special Populations](#). Updated October 28, 2017. Accessed March 24, 2020.

Coronavirus Disease 2019 (COVID-19) Preparedness Resources. Centers for Disease Control and Prevention. [https://www.cdc.gov/coronavirus/2019-ncov/hcp/preparedness-checklists.html?CDC\\_AA\\_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fhcp%2Fhcp-hospital-checklist.html](https://www.cdc.gov/coronavirus/2019-ncov/hcp/preparedness-checklists.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fhcp%2Fhcp-hospital-checklist.html). Accessed March 24, 2020.

Center for Medicare & Medicaid Services. Guidance for Infection Control and Prevention of Coronavirus Disease (COVID-19) in Outpatient Settings: FAQs and Considerations. QSO-20-22-ASC, CORF, CMHC, OPT, RHC/FQHCs. <https://www.cms.gov/files/document/qso-20-22-asc-corf-cmhc-opt-rhc-fqhcs.pdf>. Published March 30, 2020. Accessed April 16, 2020.