

The National Healthcare Safety Network (NHSN) Manual

HEALTHCARE PERSONNEL SAFETY COMPONENT PROTOCOL

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Introduction to Healthcare Personnel Safety Component of NHSN

In recent years, occupational hazards faced by healthcare personnel (HCP) in the United States have received increasing attention. Although recommendations, guidelines, and regulations to minimize HCP exposure to such hazards have been developed, additional information is needed to improve HCP safety. In particular, existing surveillance systems are often inadequate to describe the scope and magnitude of occupational exposures to infectious agents and non-infectious occupational hazards that HCP experience, the outcomes of these exposures and injuries, and the impact of preventive measures. The lack of ongoing surveillance of occupational exposures, injuries, and infections in a national network of healthcare facilities using standardized methodology also compromises the ability of the Centers for Disease Prevention and Control (CDC) and other public health agencies to identify emerging problems, to monitor trends, and to evaluate preventive measures.

CDC developed a surveillance system, NaSH or the National Surveillance System for Health Care Workers, that focused on surveillance of exposures and infections among HCP. Operational from 1995 through 2007, NaSH has been replaced by the Healthcare Personnel Safety Component (HPS) of the National Healthcare Safety Network (NHSN). The component consists of four modules: Blood/Body Fluids Exposure with Exposure Management, Blood/Body Fluids Exposure only, Influenza Exposure Management, and Influenza Vaccination with (or without) Exposure Management. Additional modules are anticipated in the future. Data collected in this surveillance system will assist healthcare facilities, HCP organizations, and public health agencies to monitor and report trends in blood/body fluid exposures, to assess the impact of preventive measures, to characterize antiviral medication use for exposures to influenza and to monitor influenza vaccination rates among HCP. In addition, this surveillance component will allow CDC to monitor national trends, to identify newly emerging hazards for HCP, to assess the risk of occupational infection, and to evaluate measures, including engineering controls, work practices, protective equipment, and postexposure prophylaxis designed to prevent occupationally-acquired infections. Hospitals and other healthcare facilities participating in this system will benefit by receiving technical support and standardized methodologies, including a Web-based application, for conducting surveillance activities on occupational health. The NHSN reporting application will enable participating facilities to analyze their own data and compare these data with a national database.



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Healthcare Personnel Safety Reporting Plan

The *Healthcare Personnel Safety Reporting Plan Form* (CDC 57.203) is used by NHSN facilities to inform CDC which healthcare personnel safety modules are used during a given month. This allows CDC to select the data that should be included into the aggregate data pool for analysis. Each participating facility is to enter a monthly Plan to indicate the module to be used, if any, and the exposures and/or vaccinations that will be monitored.

A plan must be completed for every month that data are entered into NHSN, although a facility may choose "No NHSN Healthcare Personnel Safety Modules Followed this Month" as an option. The *Instructions for Completion of Healthcare Personnel Safety Reporting Plan Form* includes brief instructions for collection and entry of each data element on the form. A minimum of 6 months of data collection for at least one module is required during each calendar year to remain an active participant in NHSN.



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Blood/Body Fluid Exposure Module

Introduction: Transmission of bloodborne pathogens [e.g., Hepatitis B virus (HBV), Hepatitis C virus (HBC), Human Immunodeficiency Virus (HIV)] from patients to healthcare worker (HCW) is an important occupational hazard faced by HCP. The risk of bloodborne pathogen transmission following occupational exposure depends on a variety of factors that include source patient factors (e.g., titer of virus in the source patient's blood/body fluid), the type of injury and quantity of blood/body fluid transferred to the HCW during the exposure, and the HCW's immune status. The greatest risk of infection transmission is through percutaneous exposure to infected blood. Nevertheless, transmission of HBV, HCV, or HIV after mucous membrane or non-intact skin exposure to blood has also been reported; the risk of transmission of these pathogens through mucocutaneous exposure is considered lower than the risk associated with a percutaneous exposure.

An estimated 385,000 percutaneous injuries (i.e., needlesticks, cuts, punctures and other injuries with sharp objects) occur in U.S. hospitals each year. Prevention of occupational transmission of bloodborne pathogens requires a diversified approach to reduce blood contact and percutaneous injuries including improved engineering controls (e.g., safer medical devices), work practices (e.g., technique changes to reduce handling of sharps), and the use of personal protective equipment (e.g., impervious materials for barrier precautions). Since 1991, when the U.S. Occupational Safety and Health Administration (OSHA) first issued its Bloodborne Pathogens Standard, the focus of regulatory and legislative activity has been on implementing a hierarchy of control measures. The federal Needlestick Safety and Prevention Act signed into law in November 2000 authorized OSHA's revision of its Bloodborne Pathogens Standard to more explicitly require the use of safety-engineered sharp devices.

(www.osha.gov/SLTC/bloodbornepathogens/ index.html). Other strategies to prevent infection include hepatitis B immunization and postexposure prophylaxis for HIV and HBV. Strategies for prevention of percutaneous injuries are addressed in CDC's Workbook for Designing, Implementing, and Evaluating a Sharps Injury Prevention Program at

http://www.cdc.gov/sharpssafety/index.html

Facilities are not required to collect data for exposures that involve intact skin or exposures to body fluids that do not carry a risk of bloodborne pathogen transmission (e.g., feces, nasal secretions, saliva, sputum, sweat, tears, urine and vomitus) unless these are visibly contaminated with blood. However, facilities that routinely collect data on such exposures may enter this information into the system.

(i) Methodology



Occupational exposures to blood and body fluids in healthcare settings have the potential to transmit HBV, HCV, or HIV. Use of the Blood/Body Fluid Exposure Module permits a healthcare facility to record information about the exposure and its management. This module can be used in any healthcare setting where there is potential for occupational exposure to blood and body fluids among HCP. This module requires that data be entered into NHSN when exposures occur, as indicated in the *Healthcare Personnel Safety Reporting Plan* (CDC 57.203). In general, these data may be provided by the occupational health department in the facility or may be provided by the infection control/epidemiology department, as appropriate. NHSN forms should be used to collect all required data, using the definitions of each data field.

Blood/Body Fluid Exposure with or without Exposure Management

A facility may choose to report exposure events alone or exposure events and subsequent management and follow-up of each event, including administration of postexposure prophylaxis (PEP) to the HCW and any laboratory test results collected as part of exposure management.

Settings: Any healthcare setting with the potential for occupational exposure to blood and body fluids.

Requirements: Blood and body fluid exposures are to be reported during the calendar year. Actively participating NHSN sites will be required to submit blood/body fluid exposure data for a minimum of 6 months per calendar year.

Definitions:

- **Bite:** A human bite sustained by an HCW from a patient, other HCW, or visitor.
- **Bloodborne pathogens**: Pathogenic microorganisms that may be present in human blood and can cause disease in humans. These pathogens include, but are not limited to hepatitis B virus (HBV), hepatitis C virus (HCV) and human immunodeficiency virus (HIV).
- HCW (Healthcare Worker): A person who works in the facility, whether paid or unpaid, who has the potential for exposure to infectious materials, including body substances, contaminated medical supplies and equipment, contaminated environmental surfaces, or contaminated air. Healthcare worker is the singular form of healthcare personnel.
- **HCP** (**Healthcare Personnel**): The entire population of healthcare workers working in healthcare settings.
- **Hollow-bore needle:** Needle (e.g., hypodermic needle, phlebotomy needle) with a lumen through which material (e.g., medication, blood) can flow.



- **Mucous membrane exposure:** Contact of mucous membrane (e.g., eyes, nose, or mouth) with the fluids, tissues, or specimens listed below in "**Occupational exposure.**"
- **Non-intact skin:** Areas of the skin that have been opened by cuts, abrasions, dermatitis, chapped skin, etc.
- Non-intact skin exposure: Contact of non-intact skin with the fluids, tissues, or specimens listed below in "Occupational exposure."
- Non-Responder to Hepatitis B vaccine: A HCW who has received two series of hepatitis B vaccine is serotested within 2 months after the last dose of vaccine and does not have anti-HBs ≥10 mIU/mL.
- Occupational exposure: 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 an HCW's duties. Modes of exposure include percutaneous injuries, mucous membrane exposures, non-intact skin exposures, and bites.
- **Percutaneous injury:** An exposure event occurring when a needle or other sharp object penetrates the skin. This term is interchangeable with "sharps injury."
- **Sharp:** Any object that can penetrate the skin including, but not limited to, needles, scalpels, broken glass, broken capillary tubes, and exposed ends of dental wires.
- **Sharps Injury:** An exposure event occurring when any sharp penetrates the skin. This term is interchangeable with "percutaneous injury."
- **Solid Sharp:** A sharp (e.g., suture needle, scalpel) that does not have a lumen through which material can flow.

Reporting Instructions:

<u>Forms Description and Purpose:</u> (See also: Tables of Instructions for Completion of Healthcare Personnel Safety Component forms)

All NHSN sites following the Blood/Body Fluids Exposure Module:

For either exposure reporting or exposure and exposure management reporting, a site should complete the following form:

> Healthcare Personnel Safety Component Facility Survey (CDC Form 57.200) – Used to collect facility administrative data including total acute care beds, inpatient and



outpatient days, inpatient and outpatient surgeries performed, and total numbers of healthcare personnel (full- and part-time) and numbers of healthcare personnel (HCP) in selected occupational groups (full-time equivalents and numbers of HCP).

Exposure-Only Reporting:

Those facilities participating in exposure-only reporting should complete the following forms:

- Healthcare Personnel Safety Monthly Reporting Plan (CDC Form 57.203) Used to collect data on which modules and which months (if any) the facilities intend to participate in NHSN HPS Component. This form should be completed for every month that the facility will participate in the HPS component.
- Healthcare Worker Demographic Data (CDC Form 57.204) Used to collect data on HCW demographics such as gender and occupation for a healthcare worker who has reported a blood or body fluid exposure. This form also is used optionally to collect information about immune status for certain vaccine-preventable diseases (e.g., measles, mumps, rubella).
- > Exposure to Blood/Body Fluids (CDC Form 57.205) Used to collect information about individual blood and body fluid exposure events. Sections I IV should be completed for all reported exposures. For percutaneous injuries with a needle or sharp object that was not in contact with blood or other body fluids (as defined in "occupational exposure") prior to exposure, collection of data is optional.

Exposure and Exposure Management Reporting:

Facilities participating in exposure reporting and exposure management should complete the forms listed below in addition to those listed above:

- Exposure to Blood/Body Fluids (CDC Form 57.205) Used to collect information about individual blood and body fluid exposure events. Sections I IV should be completed for all reported exposures. If a facility chooses to follow the protocol for exposure management, Sections V IX are also required.
- > Healthcare Worker Prophylaxis/Treatment BBF Postexposure Prophylaxis (PEP) (CDC Form 57.206) Used to collect details of medications administered to a healthcare worker following blood or body fluid exposure to HIV or HBV. This form is required if the facility follows the exposure management protocol.
- > Follow-Up Laboratory Testing (CDC Form 57.207) Used to collect additional laboratory testing results obtained on an HCW following a blood or body fluid exposure as part of exposure management. These serologic and other laboratory results are not required for exposure management but provide details for facilities opting for the long-term follow-up of exposures and evidence of seroconversion.



Data Analysis:

The use of the Blood/Body Fluid Exposure and Exposure Management Modules will allow the participating NHSN site to estimate the nature, frequency, circumstances, and sequelae of occupational exposures to: 1) blood and body fluids 2) tissue 3) concentrated virus, and 4) bloodborne pathogens (HBV, HCV, and HIV). In addition, facilities can assess for changes in percutaneous injuries with the implementation of safety devices and other prevention strategies, the timeliness of initiating HIV postexposure prophylaxis (PEP) when indicated, assess the duration of HIV prophylaxis, and the proportion of HCP experiencing adverse signs and symptoms after taking HIV PEP for occupational exposures.

Denominator data from the annual Facility Survey (CDC 57.200) can be used to estimate rates of exposures to blood/body fluids and to assess the effectiveness of engineering controls, work practices, and protective equipment in reducing exposure.

References:

The following CDC/PHS publications provide recommendations for management and follow-up of blood and body fluid exposures to HBV, HCV, and HIV:

- Updated U.S. Public Health Service Guidelines for the Management of Occupational Exposures to HBV, HCV, and HIV and Recommendations for Postexposure Prophylaxis (MMWR, June 29, 2001 / 50(RR11); 1-42)
- Updated U.S. Public Health Service Guidelines for the Management of Occupational Exposures to HIV and Recommendations for Postexposure Prophylaxis (MMWR, September 30, 2005 / 54(RR09); 1-17). Some PEP regimens changed from previous update.
- A Comprehensive Immunization Strategy to Eliminate Transmission of Hepatitis B Virus Infection in the United States. (MMWR), December 8, 2006 / 55(RR16); 1-25)



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Influenza Vaccination and Exposure Management Modules

Introduction: The Advisory Committee on Immunization Practices (ACIP) recommends that all HCP and persons in training for healthcare professions should be vaccinated annually against influenza.[1,2] Persons who are infected with influenza virus, including those with subclinical infection, can transmit influenza virus to persons at higher risk for complications from influenza. Vaccination of HCP has been associated with reduced work absenteeism [3] and with fewer deaths among nursing home patients [4,5] and elderly hospitalized patients.[5] Although annual vaccination is recommended for HCP and is a high priority for reducing morbidity associated with influenza in healthcare settings, national survey data have demonstrated vaccination coverage levels of <50% among HCP over several vaccination seasons.[1]

Facilities that employ HCP should provide vaccine to personnel using approaches that have demonstrated effectiveness in increasing vaccination coverage. Healthcare administrators should consider the level of vaccination coverage among HCP to be one measure of a patient safety quality program and consider obtaining signed declinations from personnel who decline influenza vaccination for reasons other than medical contraindications.[6-9] Influenza vaccination rates (including ward-, unit-, and specialty-specific coverage rates) among HCP within facilities should be regularly measured and reported to occupational health services.[9]

Healthcare facilities should offer influenza vaccinations to all HCP, including night, weekend, and temporary staff. Particular emphasis should be placed on providing vaccinations to personnel who provide direct care for persons at high risk for influenza complications. Efforts should be made to educate HCP regarding the benefits of vaccination and the potential health consequences of influenza illness for their patients, themselves, and their family members. Studies have demonstrated that organized campaigns can attain higher rates of vaccination among HCP with moderate effort and by using strategies that increase vaccine acceptance.[6,10,11] All HCP should be provided convenient access to influenza vaccine at the work site, free of charge, as part of employee health programs.[6,11,12]

Although annual vaccination with the seasonal influenza vaccine is the best way to prevent infection, antiviral drugs can be effective for prevention and treatment of influenza. When HCP have not been vaccinated or are exposed to an influenza strain with no vaccine (i.e., non-seasonal), a plan for anti-viral chemoprophylaxis and treatment could be implemented.

(ii) Methodology

A facility may choose to report influenza vaccination with (or without) exposure management (i.e., antiviral medication use for chemoprophylaxis or treatment) or only exposure management.

Influenza Vaccination Module with (or without) Exposure Management



Use of the Influenza Vaccination Module with (or without) Exposure Management enables a healthcare facility to record information on influenza vaccination and anti-viral medication use for chemoprophylaxis or treatment after exposure to influenza. It can be used in any healthcare setting. This module requires that data be entered into NHSN on a monthly basis. This module includes reporting individual-level vaccination details plus antiviral medication use for chemoprophylaxis or treatment. Administration of one or more seasonal and non-seasonal (e.g., novel, 2009 H1N1) vaccines can be reported, including multi-dose vaccination series. If the module is being used to satisfy federal record-keeping requirements for the administration of vaccine covered by the Vaccine Injury Compensation Program, additional vaccination details must be included, such as vaccinator name, title and work address. Vaccination status of all HCP in the facility should be reported, regardless of whether they received the vaccine, in order to accurately assess vaccination rates.

The module will permit characterizations of reasons for HCP declining vaccine that might be used to improve future vaccination rates. Although surveillance of exposure management is not required under this module, reporting of antiviral use to NHSN will also permit systematic collection of information on antiviral medication use related to the prevention and treatment of influenza.

Influenza Exposure Management Module

Use of the Influenza Exposure Management Module permits a healthcare facility to record information on antiviral medication use for chemoprophylaxis or treatment without reporting influenza vaccination. It can be used in any healthcare setting. This module requires that data be provided to CDC as per reporting requirements. This module includes reporting of individual-level antiviral medication use for chemoprophylaxis or treatment after exposure to influenza. The reason for antiviral medication use can be attributed to either seasonal or non-seasonal influenza. Use of this module will allow facilities and CDC to measure antiviral medication use related to the prevention and treatment of influenza.

Settings: Any healthcare settings

Requirements: Surveillance for influenza in the healthcare facility is to be conducted during the vaccination season. Actively participating NHSN sites will be required to submit data for a minimum of 6 months per calendar year. A waiver is granted for the first year of participation since facilities may not have 6 months of data in one calendar year in the first vaccination season.

Definitions:



- HCW (Healthcare Worker): A person who works in the facility, whether paid or unpaid, who has the potential for exposure to infectious materials, including body substances, contaminated medical supplies and equipment, contaminated environmental surfaces, or contaminated air. Healthcare worker is the singular form of healthcare personnel.
- **HCP** (**Healthcare Personnel**): The entire population of healthcare workers working in healthcare settings.
- **Non-seasonal influenza vaccine:** A vaccine for additional/novel influenza virus strains (e.g., 2009 H1N1) not included in the seasonal influenza vaccine which may or may not be offered on an annual basis.
- **Seasonal influenza vaccine:** A vaccine for seasonal influenza virus strains that is offered on an annual basis.
- Severe adverse reaction to antiviral medication use for influenza chemoprophylaxis or treatment: Adverse reactions severe enough to affect daily activities and/or result in the discontinuation of the antiviral medication.
- **Vaccination season:** A 12-month period starting from September 1, 2xxx to the start of the next traditional influenza season (i.e., August 31 of the following year).

Reporting Instructions

<u>Forms Description and Purpose</u>: (See also: Tables of Instructions for Completion of Healthcare Personnel Safety Component forms)

All NHSN sites following any Influenza Module:

For either Influenza Vaccination with Exposure Management Module or the Influenza Exposure Management Module, a site should complete the following forms:

- > Healthcare Personnel Safety Component Facility Survey (CDC 57.200) Used to collect facility administrative data including total acute care beds, inpatient and outpatient days, inpatient and outpatient surgeries performed, and total numbers of HCP (full- and part-time) and numbers of HCP in selected occupational groups (full-time equivalents and numbers of HCP). Numbers of HCWs for at least one nurse occupation (e.g., registered nurse, nurse midwife) and one physician occupation (i.e., intern/resident, fellow, attending physician) are required. All other fields are optional for the Selected HCW Occupational Groups; you may enter 0 for these optional fields.
- Healthcare Personnel Safety Reporting Plan (CDC 57.203) Used to collect data on which modules and which months (if any) the facilities intend to participate in NHSN HPS Component. This form should be completed for every month that the facility will



- participate in the HPS influenza surveillance modules (either influenza vaccination with exposure management or exposure management only).
- demographics such as gender and occupation for each individual HCW. This form also is used optionally to collect information about immune status for certain vaccine-preventable diseases (e.g., measles, mumps, rubella). This form should be completed for all HCP offered influenza vaccine. The demographic data may already be contained in a facility database that can be uploaded into NHSN as an ASCII comma delimited text file. File specifications and importing instructions are available on the NHSN website (http://www.cdc.gov/nhsn).

Influenza Exposure Management only Reporting:

Facilities participating in Healthcare Personnel Influenza Exposure Management Module for antiviral medication use should complete the following form:

> Healthcare Worker Prophylaxis/Treatment – Influenza (CDC 57.210) – Used to collect data on which (if any) antiviral medications were administered to the HCW and any severe adverse reactions associated with their use.

Influenza Vaccination with Exposure Management Reporting:

Facilities participating in Healthcare Personnel Influenza Vaccination with Exposure Management Module should complete the forms listed above and the forms listed below. The Pre- and Post-season facility-level surveys will be used to capture information on vaccination planning (pre-season) and actual (post-season) strategies implemented by the facilities.

- > Pre-season Survey on Influenza Vaccination Programs for Healthcare Personnel (CDC 57.211) Used to collect data on the strategies that the facility plans to provide for influenza vaccine of HCP. In addition, denominator data regarding the target vaccination population (e.g., number of FTEs, PTEs, contractors, volunteers, others) are collected. This form should be completed at the beginning of the vaccination season.
- Healthcare Worker Influenza Vaccination (CDC 57.209) Used to collect specific information on whether a seasonal and/or non-seasonal influenza vaccination was received or declined by the HCW, and the date, time, location and type of vaccination that was administered. A separate form is required for each dose of vaccine. For example, a 2-dose vaccine series administered on 2 separate dates would require 2 separate forms. The form also contains information on any adverse reactions experienced as a result of the vaccine. If NHSN is used to satisfy federal record-keeping requirements for vaccine administration, identifiers of the person administering the vaccine and the edition date of the vaccine information statement provided to the HCW will be required. This form should be completed for all HCP.



Post-season Survey on Influenza Vaccination Programs for Healthcare Personnel (CDC 57.212) – Used to collect information on the strategies actually implemented in order to vaccinate HCP against influenza. This survey will capture any changes that occurred to the facilities' vaccination strategies and/or target vaccination populations during the vaccination season. This form should be completed at the conclusion of the vaccination season.

Data Analyses:

The use of the Influenza Vaccination and Exposure Management Module will allow the NHSN site to measure its rate of vaccination coverage. In addition, antiviral medication use for chemoprophylaxis or treatment after exposure to influenza can be evaluated and monitored. Frequencies of the various healthcare influenza surveillance data will be calculated and summarized. Vaccination rates can be calculated using the total number of vaccinated HCP entered into the system divided by the total number of HCP targeted in the vaccination strategy (from the Pre-season Season Survey). In addition, vaccination uptake rates by work location, occupation, gender or another demographic data element, can be calculated by stratifying analysis by the demographic data element of interest. Among the potential data points that could be analyzed are general estimates of influenza vaccination coverage, the frequency of antiviral medication use as chemoprophylaxis or treatment, as well as information on adverse effects associated with the receipt of vaccines or antiviral medications (as part of chemoprophylaxis or treatment).

For the data related to the pre- and post-survey on influenza vaccination programs, frequencies for program-related questions will be calculated, and changes in pre- and post- frequencies will be compared. On a national level, effectiveness of certain vaccination strategies in increasing vaccine uptake can be evaluated.

References:

- [1] Centers for Disease Control and Prevention, Prevention and control of seasonal influenza with vaccines: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2009, MMWR, 58 (2009) 1-52.
- [2] Centers for Disease Control and Prevention, Influenza vaccination of health-care personnel, MMWR, 55 (2006) 1-16.
- [3] R. T. Lester, A. McGeer, G. Tomlinson, and A. S. Detsky, Use of, effectiveness of, attitudes regarding influenza vaccine among house staff, Infection Control and Hospital Epidemiology, 24 (2003) 839-844.



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- [9] National Quality Forum. National Voluntary Consensus Standards for Influenza and Pneumococcal Immunizations.

 http://www.qualityforum.org/Publications/2008/12/National_Voluntary_Consensus_Standards_for_Influenza_and_Pneumococcal_Immunizations.aspx, 1-68. 2008. Washington DC, National Quality Forum. 8-12-2009.
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- [11] Joint Commission on Accreditation of Healthcare Organizations, New infection control requirement for offering influenza vaccination to staff and licensed independent practitioners, Joint Commission Perspectives, 26 (2006) 10-11.
- [12] Infectious Diseases Society of America. Pandemic and seasonal influenza: principles for U.S. action. http://www.idsociety.org/influenza.htm . 2007. Arlington, VA, Infectious Diseases Society of America.



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Table 1. Instructions for Completion of the Healthcare Personnel Safety Monthly Reporting Plan Form (CDC 57.203)

This form collects data on which modules and which months (if any) the facilities intend to participate in NHSN Healthcare Personnel Safety (HPS) Component. This form should be completed for every month that the facility will participate in the HPS component.

Data Field	Instructions for Data Collection	
Facility ID #	Required. The NHSN-assigned facility ID will be auto-	
	entered by the application.	
Month/Year	Required. Enter the month and year for the surveillance	
	plan being recorded.	
No NHSN Healthcare Personnel Safety	Conditionally required. Check this box if you do <u>not</u> plan	
Modules Followed this Month	to follow any of the NHSN Healthcare Personnel Safety	
	Modules during the month and year selected.	
Healthcare Pers	sonnel Exposure Modules	
Blood/Body Fluid Exposure Only	Conditionally required. Check this box if you plan to	
Blood/Body Fluid Exposure Only	follow blood/body fluid exposures only, without	
	following exposure management during the month and	
	year selected.	
Blood/Body Fluid Exposure with Exposure	Conditionally required. Check this box if you plan to	
Management Management	follow blood/body fluid exposure with exposure	
Withingement	management during the month and year selected.	
Influenza Exposure Management	Conditionally required. Check this box if you plan to	
influenza Exposure Management	follow influenza exposure management (i.e., antiviral	
	chemoprophylaxis and/or treatment) only, without	
	following influenza vaccination.	
Healthcare Pers	onnel Vaccination Module	
Influenza Vaccination with Exposure	Conditionally required. Check this box if you plan to	
Management/Treatment	follow influenza vaccination (either seasonal and/or non-	
Trunugement Treatment	seasonal vaccine) with exposure management (i.e.,	
	antiviral chemoprophylaxis and/or treatment) during the	
	month and year selected.	



Table 2. Instructions for Completion of the Healthcare Worker Demographic Data Form (CDC 57.204)

This form must be completed for all HCP who have information recorded in HPS component of NHSN (e.g., exposure to blood or body fluid or influenza vaccination.) Alternatively, data for all or selected personnel can be imported from the facility's personnel database at facility enrollment.

Data Field	Instructions for Data Collection	
Facility ID #	Required. The NHSN-assigned facility ID will be auto-entered by the application.	
HCW ID #	Required. Enter the healthcare worker's (HCW) alphanumeric identification number. This identifier is unique to the healthcare facility.	
Social Security #	Optional. Enter the HCW's Social Security Number.	
Secondary ID#	Optional. Enter the HCW's secondary ID number. This could be the employee's medical record # or some other unique identifier.	
HCW Name:	Optional. Enter demographic information for the HCW.	
Last, First, Middle		
Street Address		
City		
State		
Zip Code		
Home Phone		
E-mail Address		
Gender	Required. Indicate the gender of the HCW by checking F (Female) or M (Male).	
Date of birth	Required. Enter the date of birth of the HCW using the format: mm/dd/yyyy.	
Born in the U.S.?	Optional. Select Yes, No, or Unknown.	
Ethnicity	Optional. Select one ethnicity of the HCW.	
Race	Optional. Select the race of the HCW. Check all that apply.	
Work Phone	Optional. Enter the work phone number of the HCW.	
Start Date	Required. Enter the date the HCW began employment or affiliation with the facility (use format: mm/dd/yyyy).	
Work Status	Required. Select Active, Inactive, or No longer affiliated.	
Type of Employment	Required. Select from Full-time, Part-time, Contract, Volunteer, Other (please specify).	



Data Field	Instructions for Data Collection
Work Location	Required. Select the code that best describes the HCW's current permanent work location. This refers to physical work location rather than to department assignment. For example, a radiology technician who spends most of his/her time performing portable x-rays throughout the facility works at multiple locations. In general, most interns/residents are not considered to work at a single location because they rotate every month or every few months. For HCP who do not work at least 75% of the time at a single location, the work location code for 'float' should be entered. Location codes must be customized to the facility and set up prior to entering HCW records. The work location must be mapped to a CDC Location (http://www.cdc.gov/nhsn/PDFs/pscManual/15LocationsDescriptions_current.pdf).
Department	Optional. Enter the department in which the HCW works (facility defined).
Supervisor	Optional. Enter the name of the HCW's supervisor (facility defined).
Occupation	Required. Select the occupation code that most appropriately describes the HCW's job. These must be customized to the facility and set up prior to entering HCW records. The occupation must be mapped to a CDC Occupation Code.
Title	Conditionally required. Required only for HCP designated as Influenza Vaccinators if the facility intends on using NHSN to fulfill federal recordkeeping requirements for administration of vaccine covered by the Vaccine Injury Compensation Program. Enter the HCW's job title.
Clinical specialty	Conditionally required. If Occupation is physician, fellow or intern/resident, select the appropriate clinical specialty.
Performs direct patient care	Conditionally required. Required only when the HCW has influenza vaccination and/or influenza chemoprophylaxis/treatment records. Select Y (Yes) if the HCW provides direct patient care (i.e., hands on, face-to-face contact with patients for the purpose of diagnosis, treatment and monitoring); otherwise select N (No).
Custom Fields	Optional. Up to two date fields, two numeric fields, and 10 alphanumeric fields that may be customized for local use. NOTE: Each Custom Field must be set up in the Facility/Custom Options section of the application before the field can be selected for use.
Comments	Optional. Enter any information about the HCW. This information cannot be analyzed.



Table 3. Instructions for Completion of the Exposures to Blood/Body Fluids Form (CDC 57.205)

Information for all blood/body fluid exposures should be recorded using this form. The variables to be entered depend upon whether the facility selects the exposure event only reporting or exposure reporting and management.

*Demographic data auto-entered by application if part of an existing HCW Demographic Data record (CDC 57.204).

Demograpine data date	reflered by application if part of an existing HC w Denie		Exposure Event
		Exposure	and Exposure
Data Field	Instructions for Data Collection	Event Only	Management
Facility ID #	The NHSN-assigned facility ID will be auto-	Required	Required
	entered by the application.		
Exposure Event #	The exposure event number will be auto-	Required	Required
	generated by the application.		
HCW ID	Enter the HCW's alphanumeric identification	Required	Required
	number. This identifier is unique to the		
•HCW N	healthcare facility.	0 1	0 1 1
*HCW Name:	Enter the HCW's name.	Optional	Optional
Last, First, Middle Gender	Indicate the gender of the HCW by checking F	Daguirad	Required
Gender	(Female) or M (Male).	Required	Required
*Date of Birth	Enter the date of birth of the HCW using the	Required	Required
But of Birth	format: mm/dd/yyyy.	required	litequired
*Work Location	Required. Select the code that best describes the	Required	Required
	HCW's current permanent work location. This	•	
	refers to physical work location rather than to		
	department assignment. Location codes are		
	customized to the facility and set up prior to		
	entering HCW records. See Table 2 for more		
* O ::	details.	D : 1	D : 1
*Occupation	Required. Select the occupation code that most	Required	Required
	appropriately describes the HCW's job. Occupation codes are customized to the facility		
	and set up prior to entering HCW records. See		
	Table 2 for more details.		
Clinical Specialty	If Occupation is physician, fellow or	Conditionally	Conditionally
	intern/resident, enter the appropriate clinical	required	required
	specialty. The list of clinical specialties can be	1	1
	found on Form CDC 57.204.		
Exposure Type	The default setting is auto-entered by the	Required	Required
	application as Blood/Body Fluids.		
	Exposure Information		- · ·
1. Did the exposure	Choose Y (Yes) or N (No).	Required	Required
occur at this facility			



Data Field	Instructions for Data Collection	Exposure Event Only	Exposure Event and Exposure Management
1a. If No, specify the name of facility in which exposure occurred	If the exposure did not occur at the reporting facility, enter the name of the facility where the event occurred.	Conditionally required	Conditionally required
2. Date of exposure	Enter date of exposure in mm/dd/yyyy format.	Required	Required
3. Time of exposure	Enter the time the exposure occurred and whether it was AM or PM.	Required	Required
4. Number of hours on duty	Enter the number of hours the HCW had been on duty when the exposure occurred.	Optional	Optional
5. Is exposed person a temp/agency employee?	Choose Y (Yes) or N (No).	Optional	Optional
6. Location where exposure occurred	Choose the appropriate code for the physical location where the event took place. (This is customized to the facility).	Required	Required
7. Type of Exposure	Check the appropriate exposure type. Check all that apply.	Required	Required
7a. Percutaneous:	If Type of Exposure was Percutaneous, then check this item.	Conditionally required	Conditionally required
Did the exposure involve a clean, unused needle or sharp object?	If percutaneous is checked, then select Yes or No to indicate whether the exposure involved a clean, unused needle or sharp object. If the incident involved a clean, unused needle or sharp object you may not need to report this as an exposure (see your protocol for more information). If not, check No and complete Q8, Q9 and Section II. If following the protocol for exposure management also complete Sections V-XI.	Conditionally required	Conditionally required
7b. Mucous membrane	If Type of Exposure was Mucous Membrane, then check this item and complete Q8, Q9 and Section III. If following the protocol for exposure management also complete Sections V-XI.	Conditionally required	Conditionally required



		Ermogramo	Exposure Event
Data Field	Instructions for Data Collection	Exposure Event Only	and Exposure Management
7c. Skin:	If Type of Exposure was Skin, then check this item.	Conditionally required	Conditionally required
Was skin intact?	If Skin is checked, then indicate Y (Yes), N (No) or (U) Unknown for whether the skin remained intact during the exposure. If the answer is No, complete Q8, Q9 and Section III. If following the protocol for exposure management also complete Sections V-XI.	Conditionally required	Conditionally required
7d. Bite	If Type of Exposure was Bite, then check this item and complete Q9 and Section IV. If following the protocol for exposure management also complete Sections V-XI.	Conditionally required	Conditionally required
8. Type of	Select the Type of fluid/tissue from the list.	Required	Required
fluid/tissue involved in exposure	If Solutions or Body fluids are checked, indicate whether visibly bloody or not visibly bloody. For Body Fluids, indicate the primary body fluid type implicated in the exposure from the list.	Conditionally required	Conditionally required
	If Other is selected for either the Type of Fluid/Tissue involved in the exposure or the Body Fluid Type, please specify the type. (Make sure it is not a body fluid that is already listed in the box on the right side of the form).	Conditionally required	Conditionally required
9. Body site of exposure	Check body site of exposure from the list. Check all sites that were exposed.	Required	Required
	If the Body site of exposure was (Other), please specify the site.	Conditionally required	Conditionally required
Section II – Percutan	, v		
1. Was the needle or sharp object visibly contaminated with blood prior to exposure?	Choose Y (Yes) or N (No).	Required	Required
2. Depth of the injury (check one)	Indicate the depth of the injury from the needle or sharp object using the list provided. Exposures that are not obviously superficial (e.g., scratch) or deep (e.g., "muscle contracted" or "touched bone"), should be classified as moderate.	Conditionally required	Conditionally required



Data Field	Instructions for Data Collection	Exposure Event Only	Exposure Event and Exposure Management
3. What needle or sharp object caused the injury?	Select one of the following categories: Device, Non-Device Sharp Object, or Unknown Sharp Object. If you select Device in the application you will be provided with a Device button that will take you to a screen to enter manufacturer, model, etc. Once a device has been entered you will be able to select it from the drop down list.	Conditionally required	Conditionally required
	If a Non-Device Sharp is selected, please describe the item or object. Within Devices, there are six categories: Hollow-bore needles, Suture needles, Other solid sharps, Glass, Plastic, Non-sharp safety devices, and Other devices.	Conditionally required	Conditionally required
	If Other known device is selected, please specify.	Conditionally required	Conditionally required
4. Manufacturer and model	Enter the brand name and model of the device used. If the brand and model are unknown, generic device descriptors can be entered.	Conditionally required	Conditionally required
5. Did the needle or other sharp object involved in the injury have a safety feature?	Choose Y (Yes) or N (No). If Yes, answer 5a and 5b. If No, skip to Q6.	Conditionally required	Conditionally required
5a. If Yes, indicate the type of safety feature	If above is Y (Yes), choose one item from the list of safety devices.	Conditionally required	Conditionally required
5b. If the device had a safety feature, when did the injury occur?	Choose the timing of the injury event with relation to the use of the safety device. Check one item from the list provided.	Conditionally required	Conditionally required



			Exposure Event
Data Field	Instructions for Data Collection	Exposure Event Only	and Exposure Management
6. When did the	Choose the timing of the injury event from the	Conditionally	Conditionally
injury occur?	list provided.	required	required
(check one)	To book a dead a comment of the control of the cont		
Before use of the item	Injuries that occurred prior to intended use and usually involve clean needles or sharp objects. It may also include injuries that occurred with a clean device that passed through bloody gloves.		
During use of the item	Injuries that occurred during the use of the needle or sharp object. It also includes surgical or other invasive procedures with many steps.		
After use of item, before disposal	Injuries that occurred while in transit to disposal, cleaning instrument or recapping.		
During or after disposal	Injuries that occurred during or after the process of disposal or because of improper disposal of a needle or other sharp object.		
<u>Unknown</u>	Time of injury relative to the use of the device or object is unknown.		
7. For what purpose or activity was the	Choose from the lists provided. If Other specify the purpose in the space provided.	Conditionally required	Conditionally required
sharp device being used?	Select Unknown if injury was a result of contact with discarded or uncontrolled sharps, or in circumstances where the intent of device or object use is unknown or cannot be ascertained.		
8. What was the	Choose the activity being performed at the time	Conditionally	Conditionally
activity at the time	of injury involving the sharp object or needle. If	required	required
of injury?	the activity being performed at the time of the injury was different than the purpose indicated		
	in Q7, select the activity at the time the actual		
	injury event took place.		
9. Who was holding	Select one answer.		Conditionally
the device at the time the injury		required	required
occurred?			
10. What happened	Choose one item from the list.	Conditionally	Conditionally
when the injury	If Other, please record details in the space	required	required
occurred?	provided.		
Section III – Mucous	Membrane and/or Skin Exposure		



Data Field	Instructions for Data Collection	Exposure Event Only	Exposure Event and Exposure Management
1. Estimate the amount of blood/body fluid exposure	Select the estimated amount of blood or body fluid involved in the mucous membrane or skin exposure. Indicate Unknown if unable to estimate the amount.	Conditionally required	Conditionally required
2. Activity/event when exposure	Select the activity or event at the time mucous membrane or skin exposure occurred.	Conditionally required	Conditionally required
occurred	If Other is selected record details of the activity or event in the space provided.	Conditionally required	Conditionally required
3. Barriers used by the worker at the	Check all that apply.	Conditionally required	Conditionally required
time of exposure	If Other is selected, list other barriers in the space provided.	Conditionally required	Conditionally required
Section IV – Bite			
1. Wound description 2. Activity/event	Select the description of the bite wound from the list provided. Choose the activity or event when the bite	Conditionally required Conditionally	Conditionally required Conditionally
when exposure occurred	occurred.	required	required
	If Other, specify the event in the space provided.	Conditionally required	Conditionally required
	- IX are required when following the protocols for	r Exposure Man	agement
Section V – Source In			- · ·
1. Was the source patient known?	Choose Y (Yes) if the source of the exposure (patient) is known. Otherwise, select N (No).	Optional	Required
2. Was HIV status known at time of exposure?	Indicate Y (Yes) if the source patient's serostatus was known at the time of exposure.	Optional	Required
3. Check the test results for the source patient:	Use codes: P= positive, N= negative, I=Indeterminate, U=Unknown, R=Refused and NT=Not tested.	Optional	Required
Hepatitis B HbsAg HBeAg Total anti-HBc anti-HBs Hepatitis C anti-HCV EIA anti-HCV suppl PCR-HCV RNA HIV HIV EIA, ELISA Rapid HIV Confirmatory HIV	Indicate the results of any tests performed prior to the exposure (as found in the medical record) or performed immediately after the exposure. If the source is not known, check U. If the source refuses to be tested, check R. Not all tests listed on the form need to be offered after all exposures.		



Data Field	Instructions for Data Collection	Exposure Event Only	Exposure Event and Exposure Management			
Section VI – For HIV	Section VI – For HIV Infected Source					
1. Stage of Disease	Indicate the stage of HIV disease of the <u>source</u> patient. Use CDC surveillance definitions. For end stage AIDS and acute HIV illness, use definitions as defined in the protocol.	Optional	Conditionally required			
2. Is the source patient taking anti-retroviral drugs?	Indicate if the <u>source</u> patient is was taking anti- retroviral drugs at the time of the exposure, Y (Yes), N (No), or U (Unknown).	Optional	Conditionally required			
2a. If Yes, indicate drug(s)	If the <u>source</u> patient was taking anti-retroviral drugs at the time of the exposure, list them here. Drug codes are listed in Chapter 7 and will be in a drop down list in the application.	Optional	Conditionally required			
3. Most recent CD4 count	If available, indicate the most recent CD4 count in mm ³ for the source patient.	Optional	Conditionally required			
Date	Enter the month and year of the test for the source patient.					
4. Viral Load	If available, indicate the most recent HIV viral load (# of copies per ml) or Undetectable for the source patient.	Optional	Conditionally required			
Date	Enter the month and year of the test.					
	are Given to Healthcare Worker	T				
1. HIV postexposure prophylaxis						
Offered?	Choose Y (Yes), N (No), or U (Unknown) if antiretroviral drugs were offered to the HCW following this exposure.	Optional	Required			
Taken?	Choose Y (Yes), N (No), or U (Unknown) if antiretroviral drugs were taken by the HCW. If Yes is selected, complete Post-Exposure Prophylaxis/Treatment form (CDC form 57.206).	Optional	Required			
2. HBIG given?	Choose Y (Yes), N (No), or U Unknown) for whether Hepatitis B immunoglobulin was given.	Optional	Required			
Date administered	Enter date HBIG prophylaxis pertaining to this exposure was administered. Use mm/dd/yyyy format.	Optional	Conditionally Required			



		Exposure	Exposure Event and Exposure
Data Field	Instructions for Data Collection	Event Only	Management
3. Hepatitis B vaccine given?	Choose Y (Yes), N (No), or U. (Unknown) for whether Hepatitis B vaccine was given.	Optional	Required
Date first dose administered	Enter date of first dose of Hepatitis B vaccine (mm/dd/yyyy format). This and subsequent doses to complete the HBV series should be recorded in the HCW's file.	Optional	Conditionally Required
4. Is the HCW pregnant?	Indicate the pregnancy status of HCW. Choose Y (Yes), N (No), or U (Unknown).	Optional	Conditionally required
4a. If yes, which trimester?	Check 1 (1 st trimester), 2 (2 nd trimester), or 3 (3 rd trimester) at the time of exposure. If stage of pregnancy is unknown, check U.	Optional	Conditionally required
Section VIII - Baselin			
Was baseline testing performed on the HCW?	Choose Y (Yes) or N (No) or U (Unknown). Baseline lab tests should be performed within 2 weeks of exposure date (either before or after).	Optional	Required
HIV EIA HIV confirmatory HepC anti-HCV EIA HepC anti-HCV-supp HepC PCR HCV RNA HepB HBsAg HepB IgM anti-Hbc HepB Total anti-Hbc HepB Anti-HBs	Enter the dates for each test performed and the result (Use codes: P= Positive, N= Negative, I=Indeterminate, U=Unknown, R=Refused).	Optional	Conditionally required
ALT Amylase Blood glucose Hematocrit Hemoglobin Platelets Blood cells in urine WBC Creatinine Other	Additional baseline laboratory tests may be completed to document potential physiologic changes associated with a blood/body fluid exposure. Enter the date (in mm/dd/yyyy format) and result, using the specified units.	Optional	Optional
Section IX – Follow-up			
1. Is it recommended that the HCW return for follow-up of this exposure?	Choose Y (Yes) or N (No).	Optional	Required



Data Field	Instructions for Data Collection	Exposure Event Only	Exposure Event and Exposure Management
1a. If Yes, will	Choose Y (Yes) or N (No).	Optional	Conditionally
follow-up be			Required
performed at this			
facility?			
Section X – Narrative	e		
In the worker's	Enter the narrative of the HCW's description of	Optional	Optional
words, how did the	how the injury occurred.		
injury occur?			
Section XI – Prevention			
In the worker's	Enter the narrative of the HCW's assessment of	Optional	Optional
words, what could	how the injury might have been prevented.		
have prevented the injury?			
Custom Fields	Up to two date fields, two numeric fields, and	Optional	Optional
	10 alphanumeric fields that may be customized		
	for local use. NOTE: Each Custom Field must		
	be set up in the Facility/Custom Options section		
	of the application before the field can be		
	selected for use.		
Comments	Enter any additional information about the	Optional	Optional
	HCW. This information cannot be analyzed.		



Table 4. Instructions for Completion of the Healthcare Personnel Postexposure Prophylaxis Form (CDC 57.206)

Use this form if HIV postexposure prophylaxis (PEP) was administered to a healthcare worker following a blood or body fluid exposure.

*Demographic data auto-entered by application if part of an existing HCW Demographic Data record (CDC 57.204).

Demographic data auto-en	tered by application if part of an existing HCW Demographic Data record (CDC 57.204).	
Data Field	Instructions for Data Collection	
Facility ID #	Required. The NHSN-assigned facility ID will be auto-entered by the application.	
MedAdmin ID#	Required. Medical administration number. Data will be auto-entered by the	
	application.	
HCW ID #	Required. Enter the HCW's alphanumeric identification number. This identifier is	
	unique to the healthcare facility.	
*HCW Name:	Optional. Enter the HCW's name.	
Last, First, Middle		
*Gender	Required. Indicate the gender of the HCW by checking F (Female) or M (Male).	
Date of Birth	Required. Enter the date of birth of the HCW using the format: mm/dd/yyyy.	
Infectious Agent	Required. Enter HIV on form. Select HIV in the application.	
Exposure Event #	Required. The Exposure event number will be auto-entered by the system. Use the	
	Link/Unlink button to find any exposures for the entered HCW, select, and link	
	the exposure for which PEP is being administered. PEP records cannot be saved	
	unless they are linked to an exposure. PEP records entered from the Blood and	
	Body Fluid Exposure Form will automatically be linked to that exposure.	
Initial PEP	Indication: Prophylaxis	
Time between	Required. Enter the number of hours between the exposure and when the 1st dose	
exposure and 1st dose	of PEP was administered.	
	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the	
exposure and 1 st dose Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes.	
exposure and 1 st dose Drug Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
exposure and 1 st dose Drug Drug Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
exposure and 1st dose Drug Drug Drug Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
exposure and 1 st dose Drug Drug Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy	
exposure and 1st dose Drug Drug Drug Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen.	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date.	
exposure and 1st dose Drug Drug Drug Drug	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date.	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy format).	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy format). Note: If any drug(s) of a drug regimen are discontinued, the entire regimen is	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy format). Note: If any drug(s) of a drug regimen are discontinued, the entire regimen is considered 'stopped.' If select drugs in the regimen continue to be used as	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy format). Note: If any drug(s) of a drug regimen are discontinued, the entire regimen is	
exposure and 1st dose Drug Drug Drug Drug Drug Date Started	of PEP was administered. Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy format). Note: If any drug(s) of a drug regimen are discontinued, the entire regimen is considered 'stopped.' If select drugs in the regimen continue to be used as prophylaxis (and if other drugs are added) enter them as drugs under a PEP	
exposure and 1st dose Drug Drug Drug Drug Date Started Date Stopped	Required. Enter any drugs prescribed for prophylaxis. See Chapter 7 in the protocol for a list of individual drug codes. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Conditionally required. Enter any additional drugs prescribed for prophylaxis. Required. Enter the date the initial PEP regimen commenced (mm/dd/yyyy format). The start date will apply to all drugs selected as the initial PEP regimen. The date started must be on or after the exposure date. Required. Enter the date the initial PEP regimen was stopped (mm/dd/yyyy format). Note: If any drug(s) of a drug regimen are discontinued, the entire regimen is considered 'stopped.' If select drugs in the regimen continue to be used as prophylaxis (and if other drugs are added) enter them as drugs under a PEP change with a new start date.	



Data Field	Instructions for Data Collection	
PEP Change 1	Indication: Prophylaxis	
Drug	Required. Enter drugs prescribed for a second prophylaxis regimen. Note that the second PEP regimen may contain drugs that were included in the first regimen.	
Drug	Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
Drug	Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
Drug	Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
Date Started	Conditionally required. Enter the date the second PEP regimen was started using mm/dd/yyyy format.	
Date Stopped	Conditionally required. Enter the date the second PEP regimen was stopped using mm/dd/yyyy format.	
	Note: If any drug(s) of a drug regimen are discontinued, the regimen is considered 'stopped.' Whatever drugs in the regimen are continued (and if other drugs are added) will constitute a new regimen and should be entered as such.	
Reason for Stopping	Conditionally required. Indicate the primary reason for stopping this PEP regimen by selecting the appropriate choice.	
PEP Change 2	Indication: Prophylaxis	
Drug	Conditionally required. Enter drugs prescribed for a third prophylaxis regimen. Note that the third PEP regimen may contain drugs that were included in previous regimens.	
Drug	Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
Drug	Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
Drug	Conditionally required. Enter any additional drugs prescribed for prophylaxis.	
Date Started	Conditionally required. Enter the date the new PEP regimen was started using mm/dd/yyyy format.	
Date Stopped	Conditionally required. Enter the date the new PEP regimen was stopped using mm/dd/yyyy format.	
	Note: If any drug(s) of a drug regimen are discontinued, the regimen is considered 'stopped.' Whatever drugs in the regimen are continued (and if other drugs are added) will constitute a new regimen and should be entered as such.	
Reason for Stopping	Conditionally required. Indicate the primary reason for stopping this PEP regimen by selecting the appropriate choice.	
Adverse Reactions		
Signs or symptoms of	Optional. Indicate any adverse signs/symptoms the HCW experienced while	
adverse reactions to	receiving postexposure prophylaxis. You may select up to six.	
post-exposure prophylaxis	If Other is selected, briefly specify details of adverse reaction.	
Custom Fields	Optional. Up to two date fields, two numeric fields, and 10 alphanumeric fields that may be customized for local use. NOTE: Each Custom Field must be set up in the Facility/Custom Options section of the application before the field can be selected for use.	
Comments	Optional. Enter any additional information about the HCW. This information cannot be analyzed.	



Table 5: Instructions for Completion of Follow-Up Laboratory Testing Form (CDC 57.207)

This form should be completed for HCP who have additional laboratory testing done as a result of blood or body fluid exposures. These tests would occur after baseline laboratory testing had been completed.

Demographic data auto-entered by application if part of an existing HCW Demographic Data record (CDC 57.204).

Demographic data auto-entered by application if part of an existing HCW Demographic Data record (CDC 57.204).		
Data Field	Instructions for Data Collection	
Facility ID#	Required. The NHSN-assigned facility ID will be auto-entered by the application.	
Lab#	Required. The lab testing ID number will be auto-generated by the application.	
HCW ID#	Required. Enter the HCW's alphanumeric identification number. This identifier is unique to the healthcare facility.	
*HCW Name: Last, First, Middle	Optional. Enter the HCW's name.	
*Gender	Required. Indicate the gender of the HCW by checking F (Female) or M (Male).	
*Date of birth	Required. Enter the date of birth of the HCW using the format: mm/dd/yyyy.	
Exposure Event #	Required. The user is required to link the laboratory follow-up record to a blood and body fluid exposure record using the Link feature within the application. Once the exposure is selected and submitted, the form will display the message "Lab is Linked." Laboratory records must be linked to an exposure.	
Lab Results		
Lab Test	Required (At least one laboratory test and date are required). Select lab test from dropdown menu:	
	HIV EIA HIV confirmatory Amylase HepC anti-HCV EIA HepC anti-HCV-supp Hematocrit HepC PCR HCV RNA Hemoglobin HepB HBsAg HepB IgM anti-Hbc HepB Total anti-Hbc HepB Anti-HBs Other	
Date	Required. Indicate date of test using mm/dd/yyyy format.	
Result	Conditionally required. Select one of the result codes: Use codes: P= positive, N= negative, I=Indeterminate, U=Unknown, R=Refused)	
Custom Fields	Optional. Up to two date fields, two numeric fields, and 10 alphanumeric fields that may be customized for local use. NOTE: Each Custom Field must be set up in the Facility/Custom Options section of the application before the field can be selected for use.	
Comments	Optional. Enter any additional information about the HCW. This information cannot be analyzed.	



Table 6. Instructions for Completion of the Pre-season Survey on Influenza Vaccination Programs for Healthcare Personnel Form (CDC 57.211)

This form is used to report plans for the facility's influenza vaccination campaign. In addition, denominator data regarding the target vaccination population (i.e., number of FTEs, PTEs, contractors, volunteers, others) are collected. This form should be completed at the beginning of the vaccination season.

Data Field	Instructions for Data Collection
Facility ID #	Required. The NHSN-assigned facility ID will be auto- entered by the application.
Date Entered	Required. The month and year that the pre-season survey was filled out.
For Season	Required. Years of the vaccination season for which survey was completed entered in the format: yyyy – yyyy. Vaccination season is 9/1 of the current year to 8/31 of the following year.
Vaccination campaign for: Seasonal influenza subtype, Non-seasonal influenza subtype, Both	Required. Select the influenza subtype for the campaign described in this survey. Select "Both" if your vaccination campaign and target populations are the same for both influenza subtypes. If your campaign and/or target populations will be different for seasonal and non-seasonal influenza subtypes, complete a separate pre-season survey for each subtype.
1. Which personnel groups do you plan to include in your annual influenza vaccination program?	Required. Check the personnel group you plan to include.
2. Which of the following types of employees do you plan to include in your annual influenza vaccination program? (Check all that apply)	Required. Check each type of employee you plan to include in your influenza vaccination program. For each type of employee you checked, enter the estimated number of employees. This should be the estimated number of employees in each category who you intend on vaccinating during the season.
3. At what cost will you provide influenza vaccine to your healthcare workers?	Required. Check one cost category that best describes your plan for providing influenza vaccinations for the majority of the personnel group specified above.
4. Will influenza vaccination be available during all work shifts (including nights and weekends)?	Required. Check Yes or No.
5. Which of the following methods do you plan to use this influenza season to deliver vaccine to your healthcare workers?	Required. Check all methods that you plan to use to deliver influenza vaccination this season.



Data Field	Instructions for Data Collection
6. Which of the following strategies do you plan to use to promote/enhance healthcare worker influenza vaccination at your facility? 7. Do you plan to conduct any formal educational programs on influenza and influenza vaccination for your healthcare	Required. Check all strategies you plan to use in order to promote or enhance influenza vaccination at your facility. Required. Check Yes or No.
workers? 8. If you plan to conduct formal educational programs on influenza and influenza vaccination, will your healthcare workers be required to attend?	Conditionally required if you plan on conducting formal education programs (i.e., you checked Yes for Question 7). Check Yes or No.
9. Will you require healthcare workers who receive off-site influenza vaccination to provide documentation of their vaccination status?	Required. Check Yes or No.
10. Will you required signed declination statements from healthcare workers who refuse influenza vaccination?	Required. Check Yes or No.
11. Vaccine information statement edition date	Required. Enter the edition date for the official vaccine information statement (VIS) for the seasonal and non-seasonal influenza vaccines that you will be distributing to your employees at ONSITE vaccinations. VISs can be found on the CDC website at http://www.cdc.gov/vaccines/pubs/vis/ . Enter the VIS edition date of the primary type of vaccine (e.g., inactivated) that your facility will be using. If the preseason survey reflects "Both" seasonal and non-seasonal influenza vaccines, then enter the edition dates for both vaccines. This date will be used to auto-fill the HCW vaccination records that are entered for the applicable edition dates. You can edit the date on the vaccination record to reflect a secondary type of vaccine (e.g., live attenuated). The edition dates are required if you plan to use NHSN to satisfy federal record-keeping requirements for the administration of vaccine covered by the Vaccine Injury Compensation Program.
Comments	Optional. Enter any additional information about the HCW. This information cannot be analyzed.



Table 7. Instructions for Completion of the Healthcare Worker Influenza Vaccination Form (CDC 57.209)

This form is used to collect information on whether an individual HCW received or declined the influenza vaccine, and the details of that vaccination. A separate form must be filled out for each vaccination dose. For example, if a HCW received 1 dose of seasonal influenza vaccine and 2 doses of non-seasonal influenza vaccine, there should be three separate vaccination forms. A pre-season survey (CDC 57.211), an annual facility survey (CDC 57.200), and a monthly reporting plan for the month of vaccination (CDC 57.203) must be completed before vaccination records can be entered in NHSN.

Demographic data auto-entered by application if part of an existing HCW Demographic Data record (CDC 57.204). +Data elements that are carried forward from one vaccination record to the next during batch data entry.

Data Field	Instructions for Data Collection	
+Facility ID #	Required. The NHSN-assigned facility ID will be auto-entered by the	
	application.	
Vaccination ID #	Required. The vaccination ID number is a unique NSHN locator number for	
	that specific vaccination record that will be auto-generated by the	
	application.	
HCW ID #	Required. Enter the HCW's alphanumeric identification number. This identifier	
	is unique to the healthcare facility.	
*HCW Name:	Optional. Enter the HCW's name.	
Last, First, Middle		
*Gender	Required. Indicate the gender of the HCW by checking F (Female) or M (Male).	
*Date of birth	Required. Enter the date of birth of the HCW using the format: mm/dd/yyyy.	
*Work Location	Required. Select the code that best describes the HCW's current permanent work	
	location. This refers to physical work location rather than to department	
	assignment. Location codes are customized to the facility and set up prior to	
	entering HCW records. See Table 2 for more details.	
*Occupation	Required. Select the occupation code that most appropriately describes the	
	HCW's job. Occupation codes are customized to the facility and set up prior to	
	entering HCW records. See Table 2 for more details.	
*Clinical Specialty	Conditionally required. If Occupation is physician, fellow or intern/resident,	
	enter the appropriate clinical specialty. The list of clinical specialties can be	
	found on Form CDC 57.204.	
*Performs direct patient	Required. Select Yes if the HCW provides direct patient care (i.e., hands on, face	
care	to face contact with patients for the purpose of diagnosis, treatment and	
	monitoring); otherwise select No.	
+Type of vaccination	Required. Influenza is pre-filled on form and auto-entered by the application.	
+Influenza subtype	Required. Select seasonal vaccine or non-seasonal (e.g., 2009 H1N1) vaccine.	
(years)	For either subtype specify the vaccination years during which this vaccination	
	date (or the date the vaccination was offered) falls. For NHSN purposes, the	
	vaccination year is 9/1 of the first year to 8/31 of the following year.	



Data Field	Instructions for Data Collection	
+Do you plan to use this information to satisfy federal record-keeping requirements for the administration of vaccine covered by the Vaccine Injury Compensation Program?	Required. Check Yes or No. If you select Yes, information on the person administering the vaccine (i.e., the vaccinator) will be required per federal record-keeping requirements.	
+Vaccine administered	Required. Select the appropriate location of vaccine administration (ONSITE or OFFSITE). If the HCW declined vaccination, indicate primary reason for declination. Check "Declined due to medical contraindications" if the HCW has severe allergy to chicken eggs or other vaccine components or has developed Guillain-Barre' syndrome within 6 weeks of getting an influenza vaccine. Select "Declined due to personal reasons" for all other reasons.	
Reasons for declining due to personal reasons:	Conditionally required. If the HCW declined influenza vaccination for personal reasons, select the reason(s) for declining.	
+Date of vaccination	Conditionally required – Date is required if the vaccination was administered ONSITE or OFFSITE. Enter the vaccination date using mm/dd/yyyy format. If the exact date of an OFFSITE vaccination is unknown, use the 15 th of the month: mm/15/yyyy. The HCW cannot receive two doses of the same vaccine on the same day.	
+Product	Conditionally required if vaccine was administered ONSITE. Select the product used in this vaccination. For a NON-SEASONAL vaccine, please select "Other" and specify the name of the NON-SEASONAL vaccine.	
+Manufacturer	Optional if vaccine was administered OFFSITE. Conditionally required if vaccine was administered ONSITE. Manufacturer will be auto-entered by the application based on the product that is selected. For a NON-SEASONAL vaccine, specify the manufacturer of the vaccine. Optional if vaccine was administered OFFSITE.	
+Lot number	Conditionally required if vaccine was administered ONSITE. Enter the lot number of the vaccine administered to the HCW.	
+Type of influenza vaccine	Optional if vaccine was administered OFFSITE. Conditionally required if vaccine was administered ONSITE. Type of influenza vaccine will be auto-entered by the application based on the product that is selected. Select either "Live attenuated" or "Inactivated vaccine." Optional if vaccine was administered OFFSITE.	
+Route of administration	Conditionally required if vaccine was administered ONSITE. Route of administration will be auto-entered by the application based on the product that is selected. In rare instances, where some products may be administered subcutaneously (SUBQ), you can manually change the route of administration. Optional if vaccine was administered OFFSITE.	



Data Field	Instructions for Data Collection	
Adverse reaction to the vaccine		
	Optional if vaccine was administered OFFSITE.	
If Yes, check all that apply	Conditionally required if vaccine was administered ONSITE. Select all adverse reactions that apply. If Other is checked, please specify the reaction the HCW experienced.	
	Optional if vaccine was administered OFFSITE.	
+Which vaccine information statement, including edition date,	Conditionally required if vaccine was administered ONSITE. Vaccine information statement type will be auto-entered by the application based on the product that is selected.	
was provided to the vaccinee?	Optional if vaccine was administered OFFSITE.	
+Edition date [of Vaccine Information Statement (VIS)]	Conditionally required if vaccine was administered ONSITE. The edition date of the primary VIS will be auto-entered by the application based on the answer to Question 11 on the Pre-season Survey. If another vaccine is administered, you can edit the edition date to reflect the secondary VIS.	
	Optional if vaccine was administered OFFSITE.	
Vaccinator ID	Conditionally required for ONSITE vaccinations if NHSN will be used to satisfy federal record-keeping requirements for the administration of vaccine (You checked Yes to the Federal record-keeping question). Enter the HCW ID # of the person administering the vaccine.	
*Name, Last First Middle	Conditionally required for ONSITE vaccinations if NHSN will be used to satisfy federal record-keeping requirements for the administration of vaccine. Enter the vaccinator's first and last names. Middle name is optional.	
Work address, City, State, Zip code	Conditionally required for ONSITE vaccinations. The vaccinator's work address will be auto-entered by the application from data entered on the Facility form.	
*Title	Conditionally required for ONSITE vaccinations if NHSN will be used to satisfy federal record-keeping requirements for the administration of vaccine. Enter the vaccinator's job title which does <u>not</u> have to match a CDC occupation Code.	
Custom Fields	Optional. Up to two date fields, two numeric fields, and 10 alphanumeric fields that may be customized for local use. NOTE: Each Custom Field must be set up in the Facility/Custom Options section of the application before the field can be selected for use.	
Comments	Optional. Enter any additional information about the HCW. This information cannot be analyzed.	



Table 8. Instructions for Completion of the Healthcare Worker Influenza Antiviral Medication Administration Form (CDC 57.210)

This form should be completed when an HCW receives antiviral medications as influenza treatment or as chemoprophylaxis against influenza infection. It is used to collect information on which antiviral medications were administered, when, and what (if any) adverse reactions were experienced by the HCW.

Demographic data auto-entered by application if part of an existing HCW Demographic Data record (CDC 57.204).

Demographic data date	-entered by application it part of an existing HC w Demographic Data record (CDC 37.204).	
Data Field	Instructions for Data Collection	
Facility ID #	Required. The NHSN-assigned facility ID will be auto-entered by the application.	
Med Admin ID #	Required. The medication administration ID number will be auto-generated by the application.	
HCW ID#	Required. Enter the HCW's alphanumeric identification number. This identifier is unique to the healthcare facility.	
*HCW Name: Last, First, Middle	Optional. Enter the HCW's name.	
*Gender	Required. Indicate the gender of the HCW by checking F (Female) or M (Male).	
*Date of Birth	Required. Enter the date of birth of the HCW using the format: mm/dd/yyyy.	
*Work Location	Required. Select the code that best describes the HCW's current permanent work location. This refers to physical work location rather than to department assignment. Location codes are customized to the facility and set up prior to entering HCW records. See Table 2 for more details.	
*Occupation	Required. Select the occupation code that most appropriately describes the HCW's job. Occupation codes are customized to the facility and set up prior to entering HCW records. See Table 2 for more details.	
*Clinical Specialty	Conditionally required. If Occupation is physician, fellow or intern/resident, enter the appropriate clinical specialty. The list of clinical specialties can be found on Form CDC 57.204.	
*Performs direct patient care	Required. Select Yes if the HCW provides direct patient care (i.e., hands on, face-to-face contact with patients for the purpose of diagnosis, treatment and monitoring); otherwise select No.	
Infectious agent	Required. Auto-filled on hard copy form. Select Influenza in application.	
For season	Required. Select the vaccination season. Specify the year(s) during which this chemoprophylaxis or treatment date falls. For NHSN purposes, the vaccination "season" is 9/1 of the first year to 8/31 of the second year.	
#	Required. Indicate up to 10 antiviral medications given using sequential numbers starting with 1.	
Indication	Required. Select Prophylaxis or Treatment as appropriate.	
Influenza subtype	Required. Select the influenza subtype for which the HCW is receiving antiviral medications (for post-exposure chemoprophylaxis or for treatment). Select Unknown, if you do not know the specific subtype necessitating antiviral medication use.	
Antiviral	Required. Enter the code of the antiviral medication that was administered to the	
medication	HCW using the codes listed at the bottom of the form.	
Start date	Required. Enter the start date of the antiviral using mm/dd/yyyy format.	



Doto Field	Instrumations for Data Collection		
Data Field	Instructions for Data Collection		
Stop date	Conditionally required. Enter the stop date of the antiviral using mm/dd/yyyy format.		
Adverse reactions?	Required. Check Yes if the HCW had a severe adverse reaction attributable to the		
	influenza antiviral medication; otherwise check No. If it is unknown whether or not		
	the HCW experienced any adverse reactions, check Don't Know.		
Adverse reactions	Conditionally required. If the HCW had a severe adverse reaction, check all reactions		
to antiviral	that apply for each medication administered. Please correlate the antiviral medication		
medication	# with the antiviral medication on page 1. If an adverse reaction is not listed, check		
#1#10	Other and specify the adverse reaction in the space provided. All Other adverse		
	reactions should be included if the reactions were severe enough to affect daily		
	activities and/or resulted in the discontinuation of the antiviral medication.		
Custom Fields	Optional. Up to two date fields, two numeric fields, and 10 alphanumeric fields that		
	may be customized for local use. NOTE: Each Custom Field must be set up in the		
	Facility/Custom Options section of the application before the field can be selected for		
	use.		
Comments	Optional. Enter any additional information about the HCW. This information cannot		
	be analyzed.		



Table 9. Instructions for Completion of the Post-season Survey on Influenza Vaccination Programs for Healthcare Personnel Form (CDC 57.212)

This form is used to report the facility's implemented influenza vaccination campaign. This survey will capture any changes that occurred to the facilities' vaccination strategy and/or target vaccination population during the vaccination season. This form should be completed at the conclusion of the vaccination season.

Data Field	Instructions for Data Collection	
Facility ID #	Required. The NHSN-assigned facility ID will be auto-entered by the application.	
Date Entered	Required. The month and year that the post-season survey was filled out.	
For Season	Required. Years of the vaccination season for which the survey was completed, entered in the format: yyyy – yyyy. Vaccination season is 9/1 of the current year to 8/31 of the following year.	
Vaccination campaign for: Seasonal influenza subtype, Non-seasonal influenza subtype, Both.	Required. Select the influenza subtype for the campaign described in this survey. If your campaign and target populations were the same for both influenza vaccination subtypes and you completed a single pre-season survey, select Both. If your campaign and target populations were different for seasonal vs. non-seasonal subtypes, you should complete a separate post-season survey for each.	
1. Which personnel groups did you include in your annual influenza vaccination program this past season?	Required. Check the personnel group(s) you included in your campaign or program.	
2. Which of the following types of employees did you include in your annual influenza vaccination program this past season? (Check all that apply)	Required. Check each type of employee you included in your influenza vaccination program. Data for each type of employee that you checked for the pre-season survey will be auto-entered into the post-season survey. If your target vaccination population changed over the course of the season, you can edit the number.	
3. At what cost did you provide influenza vaccine to your healthcare workers?	Required. Check one cost category that best describes how you provided influenza vaccinations to the majority of the personnel group specified above.	
4. Did you provide influenza vaccination during all work shifts (including nights and weekends)?	Required. Choose Yes or No.	
5. Which of the following methods did you use during influenza season to deliver vaccine to your healthcare workers?	Required. Check all methods that you used to deliver influenza vaccination this season.	



Data Field	Instructions for Data Collection	
6. Which of the following strategies did	Required. Check all strategies you used in order to promote or	
you use to promote/enhance healthcare	enhance influenza vaccination at your facility.	
worker influenza vaccination at your		
facility?		
7. Did you conduct any formal	Required. Indicate if you conducted formal educational	
educational programs on influenza and	programs on influenza and influenza vaccination for your	
influenza vaccination for your healthcare	HCP.	
workers?		
8. If you conducted formal educational	Conditionally required if you conducted formal education	
programs on influenza and influenza	programs (you checked Yes for Question 7). Check Yes or	
vaccination, did you require your	No.	
healthcare workers to attend?		
9. Did you require healthcare workers	Required. Check Yes or No.	
who received off-site influenza		
vaccination to provide documentation of		
their vaccination status?		
10. Did you require signed declination	Required. Check Yes or No.	
statements from healthcare workers who		
refused influenza vaccination?		



Table 10. Instructions for Completion of Healthcare Personnel Safety Component Facility Survey Form (CDC 57.200)

This form must be completed once a year by any facility using the Healthcare Personnel Safety Component.

D / F! II		
Data Field	Instructions for Data Collection/Entry	
Tracking #	Required. The NHSN-assigned Tracking # will be auto-entered by the	
	application.	
Facility ID #	Required. The NHSN-assigned facility ID will be auto-entered by the	
	application.	
Survey year	Required. Enter the year of the survey using the format: yyyy.	
Total beds set up and staffed	Required. Enter the number of all active beds across specialties and	
	intensive care units.	
Patient admissions	Required. Enter the number of patients, excluding newborns, admitted for	
	inpatient service.	
Inpatient days	Required. Enter the number of adult and pediatric days of care, excluding	
	newborn days of care, rendered during a specified reporting period.	
Outpatient encounters	Required. Enter the number of visits by patients who are not admitted as	
	inpatients to the hospital while receiving medical, dental, or other services.	
Number of hours worked by	Optional. Number of hours worked is available from OSHA300 reporting	
all employees	logs. The value can also be calculated by identifying the number of full	
	time employees working in your facility within a year, multiply by the	
	number of work hours for one full time employee in a year (typically	
	ranges from 2000-2100 hours per year). Add in overtime hours and total	
	hours worked by part-time, temporary, and contracted staff.	
Number of HCWs	Required. HCWs are all persons who work in the hospital. Similar to the	
	AHA survey, calculate the number of attending physicians by including	
	only those who are active or associate staff. Do not include courtesy,	
	consulting, honorary, provisional, or other attending physicians in this	
	number. If you cannot determine the exact number for a particular category,	
	please estimate it. If the facility does not have any HCP in a specific	
	occupation, the user may enter 0. This is the denominator when used to	
	calculate rates of particular exposure events per HCW.	
Number of FTEs	Required. A subset of total number of HCP. FTEs are all HCP whose	
	regularly scheduled workweek is 35 hours or more. To calculate the	
	number of FTE's add the number of FTEs to ½ the number of part-time	
	HCP (e.g., 2 part-time HCP = 1 FTE). If you cannot determine the exact	
	number for a particular category, please estimate it. If the facility does not	
	have any FTEs in a specific occupation, the user may enter 0. This is the	
	denominator used to calculate rates of particular exposure events per FTE.	



REFERENCES

The following CDC/PHS publications provide recommendations for management and follow-up of blood and body fluid exposures to HBV, HCV, and HIV:

- Updated U.S. Public Health Service Guidelines for the Management of Occupational Exposures to HBV, HCV, and HIV and Recommendations for Postexposure Prophylaxis. (MMWR, June 29, 2001 / 50(RR11); 1-42)
- Updated U.S. Public Health Service Guidelines for the Management of Occupational Exposures to HIV and Recommendations for Postexposure Prophylaxis (PEP regimens have been changed). (MMWR, September 30, 2005 / 54(RR09); 1-17)

The following CDC/PHS publication provides recommendations for the immunization of HCP:

- A Comprehensive Immunization Strategy to Eliminate Transmission of Hepatitis B Virus Infection in the United States. (MMWR, December 8, 2006 / 55(RR16); 1-25)
- Influenza Vaccination of Health-care Personnel. (MMWR, February 24, 2006 / 55(RR02); 1-16)
- Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices (ACIP). (MMWR, July 29, 2009 / 58(Early Release); 1-52)



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Key Terms

Key term	Definition	
Antiviral medications for influenza	Drugs used to treat or to prevent influenza infections, not necessarily to treat the symptoms of influenza (e.g., analgesics)	
Adverse reaction to influenza vaccine	A reaction experienced by the HCW that is attributable to the influenza vaccine. The Vaccine Information Statement defines a reaction as "Any unusual condition, such as high fever or behavior changes." Typically, adverse reactions to vaccines are only known when the HCW notifies you (i.e., passive surveillance) rather than you following up after the vaccination (i.e., active surveillance).	
Bite	A human bite sustained by an HCW from a patient, other HCW, or visitor.	
Bloodborne pathogens	Pathogenic microorganisms that may be present in human blood and can cause disease in humans. These pathogens include, but are not limited to hepatitis B virus (HBV), hepatitis C virus (HCV) and human immunodeficiency virus (HIV).	
CDC Location	A CDC-defined designation given to a patient care area housing patients who have similar disease conditions or who are receiving care for similar medical or surgical specialties. Each facility location that is monitored is "mapped" to one CDC Location. The specific CDC Location code is determined by the type of patients cared for in that area according to the 80% Rule. That is, if 80% of patients are of a certain type (e.g., pediatric patients with orthopedic problems) then that area is designated as that type of location (in this case, an Inpatient Pediatric Orthopedic Ward). Work locations must be mapped to a CDC location. For CDC locations, see http://www.cdc.gov/nhsn/PDFs/pscManual/15LocationsDescriptions_current.pdf	
CDC (occupation) Code	A CDC-defined designation for each occupation type in a facility. A facility occupation is "mapped" to one CDC Code. See Chapter 7 of protocol for list of occupations.	
Contractor	Individual facilities may have differing classifications of work status. According to the Bureau of Labor Statistics, workers with no explicit or implicit contract for a long-term employment arrangement, such as temporary or term positions, are considered contingent or contract workers. Facilities should use their own definition of a contractor.	
Declined influenza vaccination due to medical contraindications	If the HCW has severe allergy to chicken eggs or other vaccine components or has developed Guillain-Barre' syndrome within 6 weeks of getting an influenza vaccine. For all other reasons, please select Declined Due to Personal Reasons.	
Device	Any of the following devices (hollow-bore needle, suture needle, glass, plastic, other solid sharps, and non-sharp safety devices) used at the healthcare facility.	
Direct patient care	Hands on, face-to-face contact with patients for the purpose of diagnosis, treatment and monitoring.	



Key term	Definition	
Float	A work location for HCP who do not work at least 75% of the time in a single location. For example, a radiology technician who spends most of his/her time performing portable x-rays throughout the facility.	
Full Time Equivalent (FTE)	HCP whose regularly scheduled workweek is 35 hours or more. To calculate the number of FTE's add the number of FTEs to $\frac{1}{2}$ the number of part-time HCP (e.g., 2 part-time HCWs = 1 FTE).	
Healthcare personnel (HCP)	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 and trainees, contractual staff not employed by the healthcare facility, and persons (e.g., clerical, dietary, housekeeping, maintenance, and volunteers) not directly involved in patient care but potentially exposed to infectious agents that can be transmitted to and from HCP. It includes students, trainees, and volunteers.	
Healthcare worker (HCW)	A person who works in the facility, whether paid or unpaid, who has the potential for exposure to infectious materials, including body substances, contaminated medical supplies and equipment, contaminated environmental surfaces, or contaminated air. Healthcare worker is the singular form of healthcare personnel.	
Hollow-bore needle	Needle (e.g., hypodermic needle, phlebotomy needle) with a lumen through which material (e.g., medication, blood) can flow.	
Location	The patient care area to which an HCW is assigned while working in the healthcare facility. See also CDC Location for how locations are defined.	
Mucous membrane exposure	Contact of mucous membrane (e.g., eyes, nose, or mouth) with the fluids, tissues, or specimens listed on the blood and body fluids exposure form.	
Non-intact skin	Areas of the skin that have been opened by cuts, abrasions, dermatitis, chapped skin, etc.	
Non-intact skin- exposure	Contact of non-intact skin with the fluids, tissues, or specimens listed under Occupational Exposure	
Non-Responder to Hepatitis B vaccine	An HCW, who has received two series of hepatitis B vaccine, is serotested within 2 months after the last dose of vaccine and does not have anti-HBs \geq 10 mIU/mL.	
Non-seasonal influenza vaccine	A vaccine for additional/novel influenza virus strains (e.g., 2009 H1N1) not included in the seasonal influenza vaccine which may or may not be available on an annual basis.	
Occupational exposure	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 healthcare worker's duties. Modes of exposure include percutaneous injuries, mucous membrane exposures, non-intact skin exposures, and bites.	



Key term	Definition	
Part Time Equivalent (PTE)	HCP whose regularly scheduled workweek is less than 35 hours. Two PTEs equal 1 FTE.	
Percutaneous injury	An exposure event occurring when a needle or other sharp object penetrates the skin.	
	For percutaneous injuries with a needle or sharp object that was not in contact with blood or other body fluids prior to exposure, collection of data is optional. Facilities are not required to collect data that involve intact skin or exposures to body fluids to which contact precautions do not apply unless they are visibly bloody. However, facilities that routinely collect data on such exposures may enter this information into the system.	
Safety device	Includes any safety device (e.g., needless IV systems, blunted surgical needles, self-sheathing needles) used at the healthcare facility.	
Seasonal influenza vaccine	A vaccine for seasonal influenza virus strains that is offered on an annual basis.	
Severe adverse reaction to antiviral medication use for influenza chemoprophylaxis or treatment	Adverse reactions severe enough to affect daily activities and/or result in the discontinuation of the antiviral medication.	
Sharp	Any object that can penetrate the skin including, but not limited to, needles, scalpels, broken glass, broken capillary tubes, and exposed ends of dental wires.	
Sharps Injury	An exposure event occurring when any sharp penetrates the skin	
Solid Sharp	A sharp (e.g., suture needle, scalpel) that does not have a lumen through which material can flow.	
Vaccination season	A 12-month period starting from September 1, 2xxx to the start of the next traditional influenza season (i.e., August 31 of the following year).	
Vaccinator	The person who administers a vaccine to the HCW.	
Work location	A HCW's current permanent work location. This refers to physical work location rather than to department assignment.	



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CDC occupation Codes used to code ("map") facility locations

CDC (occupation) Code	BLS SOC (2000)*
ATT-Attendant/orderly	31-1012
CLA-Clerical/administrative	
CNA-Nurse Anesthetist	
CNM-Nurse Midwife	
CSS-Central Supply	33-7012
CSW-Counselor/Social Worker	21-1020
DIT-Dietician	29-1030
DNA-Dental Assistant/Tech	31-9091
DNH-Dental Hygienist	29-2021
DNO-Other Dental Worker	
DNT-Dentist	29-1020
DST-Dental Student	
EMT-EMT/Paramedic	29-2041
FEL-Fellow	
FOS-Food Service	35-0000
HEM-Hemodialysis Technician	
HSK-Housekeeper	37-2010
ICP-Infection Control Professional	
IVT-IVT Team Staff	
LAU-Laundry Staff	
LPN-Licensed Practical Nurse	29-2061
MLT -Medical Laboratory Technician	29-2012
MNT-Maintenance/Engineering	
MOR-Morgue Technician	
MST-Medical Student	
MTE-Medical Technologist	29-2090
NUA-Nursing Assistant	
NUP-Nurse Practitioner	
OAS-Other Ancillary Staff	
OFR-Other First Responder	

CDC (occupation) Code	BLS SOC (2000)*
OH-Occupational Health Professional	29-9010
OMS-Other Medical Staff	
ORS-OR/Surgery Technician	29-2055
OTH-Other	
OTT-Other Technician/Therapist	29-2099
PAS-Physician Assistant	29-1071
PCT-Patient Care Technician	
PHA-Pharmacist	29-1051
PHL-Phlebotomist/IV Team	
PHW-Public Health Worker	
PHY-Physician	29-1060
PLT-Physical Therapist	29-1123
PSY-Psychiatric Technician	29-2053
RCH-Researcher	19-1040
RDT-Radiologic Technologist	29-2034
RES-Intern/Resident	
RNU-Registered Nurse	29-1111
RTT-Respiratory Therapist/Tech	29-1126
STU-Other Student	
TRA-Transport/Messenger/Porter	
VOL-Volunteer	

^{*} Bureau of Labor Statistics (BLS) Standard Occupational Codes (SOC), available online at the United States Department of Labor, Bureau of Labor Statistics at http://www.bls.gov/soc/



CDC Device description used to code ("map") medical devices used in the facility

CDC Device Description
IVPER - IV catheter - peripheral
IVCATH - IV catheter – central line
HYPO - Hypodermic needle, attached syringe
UNATT - Unattached hypodermic needle
PREFILL - Prefilled cartridge syringe
STYLET - I.V. Stylet
VHOLD - Vacuum tube holder/needle
SPINAL - Spinal or epidural needle
BMARROW - Bone marrow needle
BIOPSY - Biopsy needle
OTH-HOL - Other hollow-bore needle
UNK-HOL - Hollow-bore needle, type unknown
HUBER - Huber needle
WINGED - Winged-steel (Butterfly™-type) needle
HEMODIAL - Hemodialysis needle
HYPO-TUB - Hypodermic, attached to IV tubing
DENTASP -Dental aspirating syringe with needle
ABCD - Arterial Blood Collection Device
SUTR - Suture needle
BCUT - Bone cutter
BOVIE - Electrocautery device
BUR - Bur
ELEV - Elevator
EXPL - Explorer
FILE - File
FORCEPS - Extraction Forceps
LANCET - Lancet
MICRO - Microtome blade
PIN - Pin
RAZOR - Razor
RETRACT - Retractor
ROD - Rod (orthopaedic)

CDC Device Description
SCALE - Scaler/curette
SCALPEL - Scalpel blade
SCIS - Scissors
TENAC - Tenaculum
TROCAR - Trocar
WIRE - Wire
COLLTUBE - Blood collection tubes
CAPILL - Capillary tube
MED - Medication ampule/vial/IV bottle
PIPE - Pipette (glass)
SLIDE - Slide
TUBE - Specimen/test/vacuum tube
BCADAP - Blood culture adapter
IVDEL - IV Delivery System
CATHSECD - Catheter Securement Device
PCOLLTUBE - Blood collection tubes - plastic
PCAPILL - Capillary tube - plastic
PTUBE - Specimen/test/vacuum tube - plastic
UNK - Unknown type of sharp object

OTHER - Other sharp



Antiretroviral and Associated Drug Codes for Use on Healthcare Worker BBF Postexposure Prophylaxis form (CDC 57.206)

CDC Drug Code 3TC - lamivudine ABC - abacavir APV - amprenavir ATV - atazanavir CD4 - CD4 therapies D4T - stavudine DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690) ZDV - zidovudine (AZT)	BBT T OSTCAPOSUTE T TOP
ABC - abacavir APV - amprenavir ATV - atazanavir CD4 - CD4 therapies D4T - stavudine DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	CDC Drug Code
APV - amprenavir ATV - atazanavir CD4 - CD4 therapies D4T - stavudine DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	3TC - lamivudine
ATV - atazanavir CD4 - CD4 therapies D4T - stavudine DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	ABC - abacavir
CD4 - CD4 therapies D4T - stavudine DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	APV - amprenavir
D4T - stavudine DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	ATV - atazanavir
DDC - zalcitabine ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	CD4 - CD4 therapies
ddI - didanosine DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	D4T - stavudine
DLV - delavirdine DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	DDC - zalcitabine
DRV - darunavir EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	ddI - didanosine
EFV - efavirenz ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	DLV - delavirdine
ENF - enfuvirtide (T-20) ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	DRV - darunavir
ETR - etravirine fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	EFV - efavirenz
fAPV - fosamprenavir FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	ENF - enfuvirtide (T-20)
FTC - emtricitabine HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	ETR - etravirine
HU - hydroxyurea IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	fAPV - fosamprenavir
IDV - indinavir IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	FTC - emtricitabine
IL2 - interleukin2 INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	HU - hydroxyurea
INT - interferon LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	IDV - indinavir
LPV - lopinavir NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	IL2 - interleukin2
NFV - nelfinavir NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	INT - interferon
NVP - nevirapine OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	LPV - lopinavir
OTH - other RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	NFV - nelfinavir
RLT - raltegravir RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	NVP - nevirapine
RTV - ritonavir SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	OTH - other
SQV - saquinavir TDF - tenofovir TIP - tipranavir (PNU-140690)	RLT - raltegravir
TDF - tenofovir TIP - tipranavir (PNU-140690)	RTV - ritonavir
TIP - tipranavir (PNU-140690)	SQV - saquinavir
	TDF - tenofovir
ZDV - zidovudine (AZT)	TIP - tipranavir (PNU-140690)
	ZDV - zidovudine (AZT)