Inventory Management Tracking, Distribution and Delivery

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Agenda

Inventory Management and Tracking System Need

Inventory Management and Tracking System Capabilities

H1N1 Medical Countermeasure Situation Report

MEDICAL	COUNTERMEASURE	CITTLA TION	DEDODT

State/Locality:	
Date:	

SHIPMENTS

For this reporting period, provide the number of shipments containing antiviral regimens and/or

LOCATION	ATION NUMBER OF ANTIVIRALS SHIPMENTS SHIPPED			PPE SHIPPED	
Community Health Centers		Yes 🗌	No 🗌	Yes 🗌	No 🗌
Local Health Departments		Yes 🗌	No 🗌	Yes 🗌	No 🗌
Emergency Medical Services / First Responder Organizations		Yes 🗌	No 🗌	Yes 🗌	No 🗌
Federal (VA, Military Installations, etc)		Yes 🗌	No 🗆	Yes 🗌	No 🗆
Hospitals / Alternate Care Facilities		Yes 🗌	No 🗌	Yes 🗌	No 🗌
Nursing Homes / Assisted Living Facilities		Yes 🗌	No 🗌	Yes 🗌	No 🗆
Retail Pharmacies		Yes 🗌	No 🗌	Yes 🗌	No 🗌
Private Physicians		Yes 🗌	No 🗌	Yes 🗌	No 🗌
Quarantine Stations		Yes 🗌	No 🗌	Yes 🗌	No 🗆
Tribal Governments/IHS		Yes 🗌	No 🗌	Yes 🗌	No 🗌
VNA/Home Healthcare Agencies		Yes 🗌	No 🗌	Yes 🗌	No 🗌
(Other please specify)		Yes 🗌	No 🗌	Yes 🗌	No 🗆

ote: Please ensure that healthcare providers/facilities receiving product being used under an Emergency Use Authorization (EUA) are directed to or provided with copies of required documentation / fact sheets.

Notes:			

INVENTORY

General Antiviral Drugs (If unable to provide by product type)

For this reporting period, provide on-hand inventory for each product. If you are unable to

		STATE RSS	REGIONAL RSS	LOCAL
	Relenza			
	Tamiflu (75mg)			
Antiviral Drugs	Tamiflu (45 mg)			
Diago	Tamiflu (30 mg)			
	Tamiflu suspension			
PPE	N95 respirators			
PPE	Surgical Masks			

- Notify leadership and assist in decision for future deployments
- Data elements provided by:
 - Biomedical Advance Research and Development Authority (BARDA)
 - Food and Drug Administration (FDA)
 - Assistant Secretary for Preparedness and Response (HHS/ASPR)
 - Strategic National Stockpile (CDC/SNS)

H1N1 Medical Countermeasure Situation Report, continued

MEDICAL COUNTERMEASURE SITUATION REPORT State/Locality: SHIPMENTS For this reporting period, provide the number of shipments containing antiviral regimens and/or personal protective equipment distributed to each type of location. NUMBER O ANTIVIRALS SHIPMENTS SHIPPED SHIPPED Community Health Centers Yes No No 🗌 Yes 🗌 Local Health Departments Emergency Medical Services No 🗌 Yes 🗌 First Responder Organizations Federal (VA, Military Installations, Hospitals / Alternate Care Facilities Assisted Living Facilities Yes No Retail Pharmacies Yes No Private Physicians Quarantine Stations No □ Yes □ Tribal Governments/IHS Yes No Yes VNA/Home Healthcare Agencies No 🗌 Yes 🗌 (Other please specify) Yes 🖂 Please ensure that healthcare providers/facilities receiving product being used under an Emergency U Authorization (EUA) are directed to or provided with copies of required documentation / fact sheets. For this reporting period, provide on-hand inventory for each product. If you are unable to specify by each item, please provide an aggregate total. (Please report number of bottles/units) STATE RSS | REGIONAL RSS | LOCAI Antiviral Tamiflu (45 mg) Tamiflu (30 mg) Tamiflu suspensio N95 respirators General Antiviral Drugs

Sent to:

- White House National Security Staff
- Assistant Secretary for Preparedness and Response (HHS/ASPR)
- Biomedical Advanced Research and Development Authority (BARDA)
- Principal FDA Partners
- Association of State and Territorial Health Officials (ASTHO)
- National Association of County and City Health Officials (NACCHO)
- Division of State and Local Readiness (CDC/DSLR)
- Hospital Preparedness Program (HPP)

Mission

Increase the capacity of all levels of public health to track and manage inventory of medical and non-medical countermeasures during daily operations or an emergency response event

- Create a line of sight for inventory, i.e. what is available at all levels
- Identify point of dispensing facilities where product is shipped
- Determine how much of the product is used/dispensed at the point of dispensing location, therefore extending the line of sight

Inventory Management and Tracking System

- Framework Designed by State and Local Partners
- Day to Day Inventory Management
- Visibility to Point of Dispensing Facilities
- Standardized Process to receive Inventory Records
 Utilizing existing CDC systems
- Interoperability with Existing Inventory Systems

Health IT Needs During Influenza Pandemics: Vaccine Administration Tracking Perspective

Samuel B. Graitcer, M.D. Medical Epidemiologist Vaccine Task Force

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Public Health Analyst



Severe Pandemic Preparedness Assumptions

- Pandemic disease activity may be more severe and may peak earlier than during 2009 H1N1
 - Many new vaccine providers may be required for an effective vaccine campaign to deliver vaccine early in a response
- All ages may be equally susceptible to infection
 - Vaccination may need to occur in multiple types of settings in order to reach children and adults
 - Vaccination outside of traditional providers' offices, such as in the workplace, in mass vaccination settings, and at pharmacies will be particularly important
- Public demand for vaccination may be high
 - Especially if disease is severe and if vaccine available early
 - Advances in vaccine development and manufacturing suggest much earlier availability

Severe Pandemic Preparedness Assumptions: Pandemic Vaccine Assumptions

- Multiple vaccine types and products may be available
 - Providers and patients may have multiple options and systems will need to be able to track these different products
- Multiple vaccine doses, separated by 21 days, in all ages may be required for adequate immune response
 - Adjuvant was not used in U.S. for 2009 H1N1
 - For seasonal influenza and 2009 H1N1, multiple doses typically only required for children in first year of vaccination
- May need to match vaccine type and adjuvant type between doses

Preparing for Severe Pandemic: Leveraging Public Health IT

- Immunization Information System (IIS)
 - Population based systems which track vaccination encounters from enrolled providers
 - IIS can provide clinically verified vaccine administration data
- IIS as a component of overall response
 - Patients may receive dose 1 and dose 2 from different providers, at different settings, using different data collection systems
 - Data exchange with EHRs supports correct matching of dose 1 and dose 2 in the IIS and vaccine safety monitoring
 - May support public health management (e.g., provider registration)

Considerations

- Current use of IIS among adult vaccine providers
- Vaccinations given outside of traditional setting may use other health information systems

CDC Health IT Activities Related to Improving Pandemic Influenza Preparedness for Vaccine Administration Tracking

- CDC supports 64 state and local Section 317 immunization programs
 - Includes IIS and other preparedness related activities
- Recent funding supports IIS to improve pandemic influenza preparedness capacity
 - Target a select network of high performing IIS; Sentinel Sites
 - Increase adult provider outreach, enrollment, and report to the IIS, including pharmacies
 - Identify and enhance system capabilities to track a vaccine with adjuvant component
 - Identify barriers and challenges to implementation and strategies to mitigate impact

Thank You Questions??

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333 Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: cdcinfo@cdc.gov Web: www.cdc.gov

