

Originating Unit	☐ Administration ☐ Alice! ☐ CPS ☐ Disability Services ☐ Patient Services ☒ Medical Services ☐ Sexual Violence Response			
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SUBJECT: Emergency Vaccine Retrieval and Storage

SCOPE

Applies to all Medical Services clinicians, Medical Assistants, Purchasing -Coordinator, and Manager, Health Facilities and Operations.

POLICY

To protect the vaccine supply by maintaining the cold chain and to minimize loss of vaccine by employing preventive measures when there is an equipment malfunction.

PROTOCOL

Equipment Failure

In the event of vaccine storage unit malfunction the most important goal is to protect the vaccine supply.

1. Note the time and record the temperature of the refrigerator or freezer at the time the malfunction is first noticed
2. Move the vaccine supply to a properly functioning storage unit. Separate the affected vaccine supply noting the date and label the vaccine "Do Not Use."
3. If the refrigerator has a temperature chart, analyze the time the refrigerator exceeded temperature parameters and the maximum temperature excursion.
4. Consult with vaccine manufacturers regarding the viability of the vaccines that were housed in the affected vaccine storage unit. Bayer Biological: 800-288-8371 bioCSL Phone: 1-844-275-2461

Chiron: 800-244-7668

Crucell Vaccine Inc.: 800 533 5899

CSL Biotherapies, Inc. (refer to Merck)

GlaxoSmithKline: 888-825-5249

MedImmune: 877-358-6478

Merck: 800-672-6372

Novartis Vaccines: (800) 244-7668

Pfizer Inc. (800) 438-1985

Sanofi Pasteur: 800-VACCINE (800-822-2463)

Wyeth Lederle Labs: 800-666-7248

In the event of a Medical Services-wide power outage:

1. Keep all refrigerators and freezers closed. This will help to conserve cold mass
2. Continue to monitor temperatures.
3. If alternative storage with reliable power source is available (e.g. hospital with generator power), consider transfer to that facility. The priority is to maintain the cold chain.
 - a. If space is limited, first move the vaccines that are the most sensitive to temperature elevation (MMR, Zostavax, and Varivax) and the most expensive vaccines (rabies, Japanese encephalitis, yellow fever, Menactra, HPV, and Bexsero).
 - b. Pack an insulated cooler (located in the Medical Services 4th floor stockroom) with ice or cold packs, and place vaccines in cooler with the temperature probe from a digital thermometer placed in the center of the vaccines.
 - c. Frozen vaccines should be packed with dry ice in a separate cooler.
 - d. See <http://www.eziz.org/assets/docs/IMM-983.pdf> for packing instructions.
 - e. Continuously monitor the temperature during transport.
 - f. Inventory the stock that is being transported.
 - g. Ensure that vaccines are being stored properly in the emergency storage facility (adequate circulation, temperature, temperature monitoring devices, etc.).
4. When power has been restored:
 - a. Record the temperature in the unit as soon as possible after power has been restored.
 - b. Continue to monitor the temperatures until they reach normal: 2-8 degrees Celsius range in the refrigerator or -15 degrees Celsius or less in the freezer.
 - c. Be sure to record the duration of increased temperature exposure and the maximum temperature observed.
 - d. Do not use the affected vaccine until the vaccine manufacturer or distributor is consulted regarding viability. Keep exposed vaccine separated from any new product received.
 - e. For additional information about storing vaccine during a power outage, see the guidance provided by the Centers for Disease Control (CDC) National Immunization Program at <http://www.bt.cdc.gov/disasters/poweroutage/vaccinestorage.asp>.

Damaged Vaccines

For vaccines that have been determined to have been adversely affected by temperature fluctuation during a mechanical refrigeration failure:

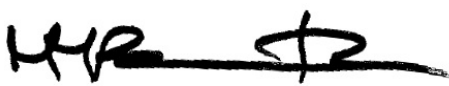
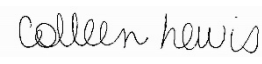
1. Keep vaccines refrigerated, label "Do Not Use," and separate from the rest of the vaccine supply.
2. Notify Purchasing Coordinator.
3. Purchasing Coordinator will inventory damaged stock and provide itemized list complete with pricing to the Business Manager. Use CDC worksheet <http://www.immunize.org/catg.d/p3051.pdf>.
4. The Business Manager will submit a claim to insurance after consulting with the Chief of Administration.
5. Damaged vaccines will be disposed of or discarded in accordance with the recommendations of the CDC. Do not discard vaccines without the approval of the Business Manager.

All incidents that require the activation of this policy must be reported to the Medical Director, Medical Services QA committee, risk management, and forwarded to the Chief of Administration.

RELATED POLICIES:

PCMS-PHM 4

Vaccine Storage and Handling

APPROVALS			
	<u>11/11/21</u>		<u>11/11/21</u>
[x] Senior Vice President	Date	[x] Executive Director, Medical Services	Date
	<u>11/11/21</u>		<u>11/11/21</u>
[x] Executive Director, Counseling and Psychological Services	Date	[x] Executive Director, Disability Services	Date
	<u>11/11/21</u>		<u>11/11/21</u>
[x] Executive Director, Alice! Health Promotion	Date	[x] Executive Director, Sexual Violence Response	Date
	<u>11/11/21</u>		
[x] Chief of Administration	Date		