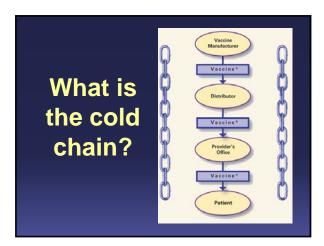
# Vaccine Storage & Handling

Improperly stored vaccine = improperly vaccinated children!



Basic Storage Unit Requirements	
<ul> <li>□ Maintain proper temperatures at all times</li> <li>■ Refrigerator: 36 - 46 - 7, 2 - 8 - C</li> </ul>	
■ Freezer: +5°F or below, - 15°C or below	
☐ Ability to accommodate largest inventory of the year	
☐ Biomedical/scientific units are preferred for practices ordering more than 6,000 doses of vaccine per year	
☐ Refrigerator units less than 16.7 cubic feet are not allowed unless they are scientific/biomedical	
	1
Basic Storage Unit Requirements	
(cont'd)	
☐ Refrigerator/freezer units are accepted for	
providers that:	
<ul> <li>Enrolled &amp; approved before April 2009</li> <li>Separate controls for each area storing vaccine &amp;</li> </ul>	
separate exterior doors	
☐ CDC recommends only using refrigerator	
compartment of a combination unit	
<ul><li>Separate exterior doors</li><li>Separate thermostat controls</li></ul>	
Basic Storage Unit Requirements	
(cont'd)	
☐ Refrigerators	
<ul> <li>New providers (after April 2009) will be required to have freezerless units</li> </ul>	
reezeriess units  Existing providers are required to obtain freezerless units	
when replacing current units	
☐ Freezers  • Manual defrost or frost-free	
■ Chest or upright, chest preferred	

## Setting up storage unit ☐ Allow for air flow/proper spacing between walls & other vaccines $\hfill \Box$ Group vaccines by type & label designated space ☐ Place thermometer in middle of unit ☐ Do not store vaccines in doors or drawers ☐ Fill refrigerator door & drawer space with water bottles ☐ Fill freezer door & drawer space with ice packs ☐ Do not store food in unit **Setting up storage unit (cont)** ☐ Keep public vaccine (VFC, 317, CHIP) separate from private purchase vaccine ☐ Rotate stock. Keep short dated vaccine in front ☐ If vaccine will expire in 90 days, contact liaison for approval to transfer ☐ Keep vaccine in original packaging until use **Thermometers** ☐ Current certified, calibrated data logger for all areas storing vaccine, even temporary storage ☐ Glycol-encased probe in bottle ☐ Have an extra for backup &/or transport ☐ Keep track of expiration date on certificates & fax certificates to VFC

# Monitoring Temperatures □ Read & record twice a day (am & pm) □ Colder is NOT better in the refrigerator • Keep temps at 40°F/4°C • Most refrigerated vaccine is destroyed by freezing □ Keep a log for any temporary storage □ Keep all temperature logs for at least 3 years □ Temps out of range? Take action & document!

### **Out of Range Temperatures**

- □ Label the vaccine DO NOT USE until you follow these steps
  - Quarantine potentially compromised vaccine
  - Recheck the temperature
  - Check the thermometer
  - Call your VFC liaison
  - Contact the vaccine manufacturers regarding viability
  - Complete Emergency Response Worksheet
    - Include wastage form, if wastage occurs

## **Plug Warning**

- ☐ Use WARNING stickers
- ☐ Mark the unit & the plug
- ☐ Secure the plug (if exposed)
- DO NOT USE POWER STRIPS THAT CAN BE TURNED OFF!



