

# Adult Hepatitis A and Hepatitis B Vaccination in Massachusetts Correctional Facilities

# The 6 stages of a project

1. Enthusiasm
2. Disillusionment
3. Panic
4. Search for the guilty
5. Punishment of the innocent
6. Reward of the non-participants

# Background

- Availability of CDC funding to support high-risk adult hepatitis B initiatives was announced in the Fall of 2007
- Possibly one-time only funding
- Available vaccines through program: hepatitis B monovalent and hepatitis A/B combination vaccine
- Funds could only be used for the purchase of vaccine

# Hepatitis in Corrections

- “Recent estimates indicate 12%-39% of all Americans with chronic hepatitis B virus or hepatitis C virus infections were releasees during the previous year.”<sup>1</sup>
- Hepatitis C seropositivity rates in Massachusetts Department of Corrections facilities have been measured as **27.3%** in men and **43.9%** in women.<sup>2</sup>

[1] CDC. Prevention and control of infections with hepatitis viruses in correctional settings. MMWR 2003; 52(No. RR-1).

[2] Eastman, E. Validation of self-reported risk as a method for identifying anti-hepatitis C positive individuals at time of intake physical examination at Massachusetts Department of Correction facilities. Abstract. APHA 4051.0 (2001).

# Massachusetts Corrections

- **Jails:** county facilities that house individuals awaiting trial
- **Houses of Corrections:** county facilities that primarily house inmates with sentences less than 2 years
- **Prisons:** state facilities that primarily house inmates with sentences over 2 ½ years

# CCID Adult Hepatitis B Vaccination Initiative

- Goals of the initiative:
  - Vaccinate high risk adults in correctional health facilities against HAV and HBV
  - Establish a system for facilities to vaccinate at-risk inmates upon intake
- Objectives:
  - 100% of high risk inmates offered at least one dose of HAV and HBV vaccine
  - Facilities to be fully implemented by June 30, 2008

# Adult Hepatitis B Vaccination Initiative Funds Awarded to Massachusetts

	<b>Number of Doses</b>	<b>Dollar Amount Awarded</b>
<b>Hepatitis B</b>	7,774	\$192,256.00
<b>Combined hepatitis A/B</b>	11,000	\$414,040.00
<b>Total</b>	18,774	<b>\$606,296.00</b>

# Participants

- 12 County Correctional Facilities
  - 2 County Correctional Facilities requested MDPH assistance with clinic operations
- Massachusetts Department of Corrections
  - 1 MA DOC facility requested assistance with clinic operations
- Total Amounts of Vaccine Allocated
  - 11,000 doses of combination HAV and HBV vaccine
  - 7774 doses of single antigen HBV vaccine

# MDPH/County Corrections Clinic Operations

- MDPH staff offered to provide clinics in 3 facilities
- Clinic objectives were to deliver doses one and two of the combination HAV and HBV vaccine
- MDPH used clinic operations to exercise Emergency Dispensing Site plans, utilizing Incident Command System
- Bureau Communicable Disease Control staff was cross trained in EDS operations, screening and vaccine administration
- Just in Time training, debriefing and after action review were all exercised

# Hampden County Correctional Facility Clinics

- Facility holds 1,800 male inmates
- Education Day before clinic #1
- 2 clinics were conducted by 4 vaccination teams
- Each team consisted of 3 nurses, and 3 screeners with one Spanish interpreter included in each team
- First clinic on 1/31/08 vaccinated 683 inmates in 5 hours with a combination HAV and HBV vaccine
- Second clinic on 2/28/08 vaccinated 531 inmates with the combination vaccine
  - 499 received their 2<sup>nd</sup> dose of HAV and HBV vaccine
  - 32 received their 1<sup>st</sup> dose of HAV and HBV vaccine

# CCID Hepatitis B Initiative Hampden County Correctional Facility



“Stonybrook 24” – February 28, 2008

# Worcester County Clinics

- Facility holds 1,251 male inmates
- Education Day one week before clinic #1
- 2 clinics were conducted by 4 vaccination teams
- Each team consisted of a Corrections Officer or facility nurse, 3 MDPH nurses, and 3 screeners with one Spanish interpreter included in each team

# Worcester County Clinics

- First clinic on 3/13/08 vaccinated 558 inmates in 5 hours with a combination HAV and HBV vaccine
- Second clinic on 4/10/08 vaccinated 570 inmates with the combination vaccine
  - 373 received their 2<sup>nd</sup> dose of HAV and HBV vaccine
  - 197 received their 1<sup>st</sup> dose of HAV and HBV vaccine

# CCID Hepatitis B Initiative

## Worcester County Jail



# MCI, Framingham Clinics

- Facility holds 700 female inmates
- Education Day one week before clinic #1
- 2 clinics were planned one month apart
- Facility logistics allowed for one main clinic location in the gymnasium
- Clinic staff consisted of Correction Officers, 3 staff nurses, 6 MDPH nurses, and 9 MDPH screeners
- Spanish interpreters were located at both the screening and vaccination tables

# Evaluation

- Practice makes perfect!!!
- Facility staff were key
- Skill refreshers, essential
- Just in time training and debriefing needed to be maximized
- Interpreters were priceless
- No two clinics are exactly alike. **Flexibility!!!**

# Next Steps

- Continued funding
- **Challenge of sustainability!**
- Funding for infrastructure
- Empowering partnering facilities to continue vaccinating upon intake
- Support vaccination upon release

# Questions?

