



# 2019 Hep A Outbreak BoS Work Session Update

Cochise Health & Social Services  
Office of Emergency Services  
Last Updated: 4 June 2019

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# Incident Overview

## WHAT ARE THE SYMPTOMS?



Yellow eyes or skin  
(jaundice)



Fever



Nausea, vomiting,  
diarrhea

Other symptoms include: dark (cola-colored) pee, white/gray poop, stomach pain, feeling tired, and loss of appetite.

IF YOU HAVE SYMPTOMS, GO SEE A DOCTOR.

## HOW IS IT SPREAD?



Not washing  
hands



Sex with infected  
partners



Eating/drinking foods  
contaminated by  
Hepatitis A



Drug use

# Incident Overview

## HOW DO I PROTECT MYSELF FROM HEPATITIS A?



Wash your hands with soap & water after using the bathroom and before eating food.



Get vaccinated for hepatitis A!

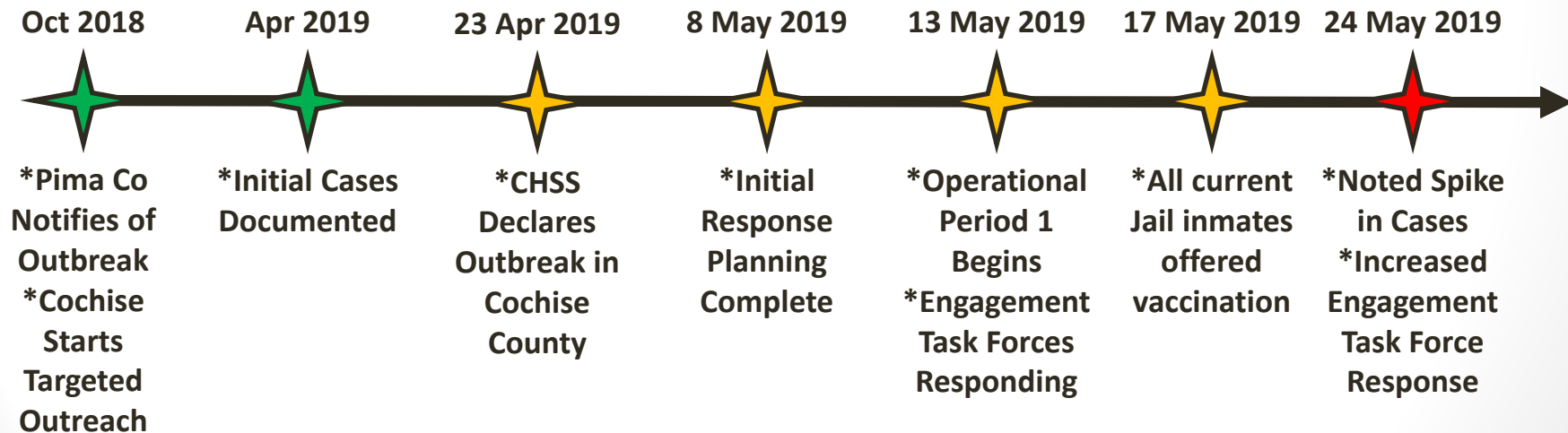
## WHAT PUTS YOU AT RISK FOR HEPATITIS A?

- Using or injecting drugs
- Having anal sex
- Being homeless or having unstable housing
- Recently being in jail or prison

# Incident Overview

Total Vaccines Administered to Date: 1479

Total Engagements Completed to Date: 56



# Incident Overview

## Hep A Outbreak Dashboard

Confirmed Cases

9

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Probable / Suspected

3

Last update: a few seconds ago

Reported Cases

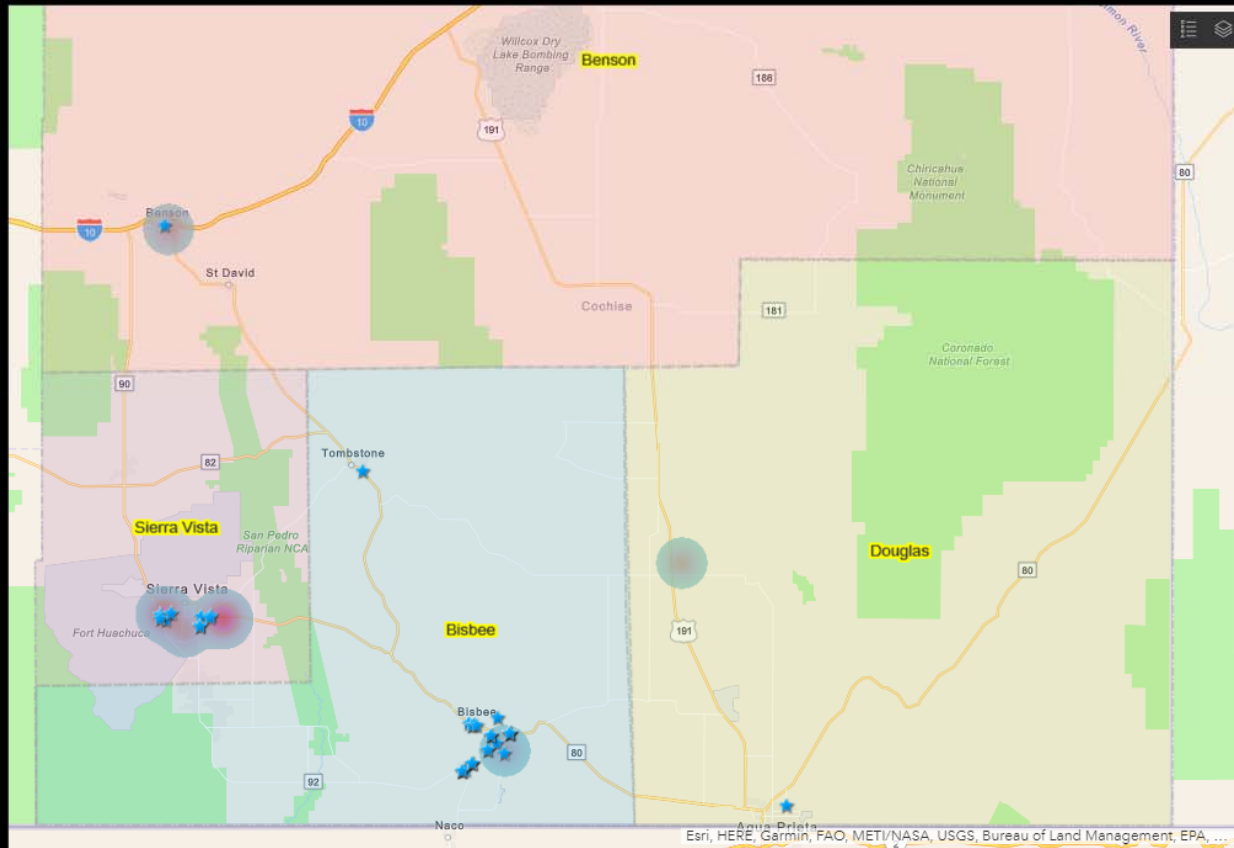
17

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Ruled Out Cases

4

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Vaccines Administered

1,479

Total vaccinations needed for herd immunity in at risk populations = ?

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Individuals Educated (Site Visits)

2,137

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# Operational Model

- Target “at-risk” populations
  - Meet people where they are
  - Help those with the most need
- Multi-Discipline Task Force
  - Nurse or Pharmacist – Vaccinate / Educate / Assess
  - Paramedic – Vaccinate / Educate / Assess
  - Educator – Education / Outreach
  - Environmental Health Specialist – Technical Assist / Educate
- Data Driven
  - New cases / suspected cases
  - Unvaccinated percentages of population

# Operational Model

- **Cochise County**

- Health Department
- Emergency Services
- Risk Management
- Fleet Services
- Sheriffs Office
- Fry Fire District
- Sierra Vista Fire and Medical Services
- Douglas Fire Department
- Bisbee Fire Department
- Bisbee Police Department
- Willcox Police Department
- Sierra Vista Police Department
- Douglas Police Department
- Canyon Vista Medical Center
- Copper Queen Medical Center
- Northern Cochise Community Hospital
- Healthcare Innovations
- Sunsites Pearce Fire District
- Fry Foods

- **Statewide**

- Sant Cruz Office of Emergency Management
- American Red Cross
- Medical Reserve Corps of Southern AZ
- Pinal County Office of Emergency Management
- La Paz County Public Health
- Apache County Office of Emergency Management
- Pima County Office of Emergency Management
- The Arizona Partnership for Immunization
- Arizona Department of Health Services
- Arizona Department of Emergency and Military Affairs
- Arizona Association of Nurses

# Future Operations

## Initial Response (1-2 Weeks)

- **Resources Committed**
  - Cochise County
    - 4 x Task Forces
    - Jail Group
- **Cmd Staffing**
  - County Incident Management Team
- **Focus Areas**
  - At-risk congregation spots



## Extended Response (Week 3-6)

- **Resources Committed**
  - 6 x Task Forces
- **Cmd Staffing**
  - County Incident Management Team
- **Focus Areas**
  - Long Term Health
  - Food Service
  - Public Spaces



## Prolonged Response (Week 7-TBD)

- **Resource Needs**
  - TBD
- **Cmd Staffing**
  - County Incident Management Team
- **Focus Areas**
  - Reevaluate and reengage

# Cost Break Down

- 80% of Cases Hospitalized
  - Charges Range from \$2,773.00 (ED Visit) to \$68,480.00 (Inpatient)
  - Average - \$21,403.71
  - Median - \$20,476.00
- Average cost of a Hepatitis A Vaccine \$35 per dose

# Cost Break Down

- Cost To Date (First 3 Operational Periods / Weeks):
  - General Dept Operating Funds – \$55,000
    - Labor – \$52,000
    - Equipment / Supplies - \$3,000
  - Emergency Funds / Vacancy Savings - \$99,000
    - Vaccines - \$88,000
    - External Support - \$11,000

**Total Incident Cost - \$154,000**
- Projected:
  - \$33,000 per week *Emergency Funds*
  - Dept Emergency / Vacancy Savings for additional **3 Weeks**

# Public Information

- Consolidated Public Information via the Joint Information Center (JIC)
- Key Themes
  - Vaccine Preventable
  - Hygiene
  - Readiness
  - Healthy Communities
  - Collaboration
- Educational materials available for distribution

# Considerations

- Public Health and Safety
  - Impact to county services
  - Impact to community critical access hospitals
  - Impact to tourism if not effectively addressed
- Public Health Emergency Declaration
- Committing County Emergency Funds
- State Assistance Request
- BoS Guidance / Additional Information Needed?

# Questions/Comments