Hepatitis Prevention Program

UPDATE

Hepatitis Prevention Program Staff - 2010

PCPG Meeting - Tampa

November 9, 2010
Hepatitis A
Total Reported Cases
2004-2008

Source: Merlin Database, Florida Department of Health
Acute Hepatitis B
Total Reported Cases
2004-2008

Source: Merlin Database, Florida Department of Health
Acute Hepatitis C
Total Reported Cases
2004-2008

Source: Merlin Database, Florida Department of Health
# Chronic Hepatitis C

<table>
<thead>
<tr>
<th>Year</th>
<th>2000-2007</th>
<th>2008</th>
<th>2009</th>
<th>2010 Thru Sept</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases</td>
<td>124,688</td>
<td>23,062</td>
<td>20,888</td>
<td>15,815</td>
</tr>
</tbody>
</table>

**NOTES:**
- 2010 on track to approx. 21,000
- BOE suggested ceasing reporting requirement
- Only half the states report chronic hep C
- Fla has reported 184,453 cases since 2000
- 62.2% of estimated 297,000 cases

**SOURCE:** Merlin Database, Florida DOH
### HIV/HCV Co-infected Cases by County

**Living through 2008, Florida, N=7,365**

<table>
<thead>
<tr>
<th>County Name</th>
<th>Cases</th>
<th>County Name</th>
<th>Cases</th>
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<tr>
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<tr>
<td>BAKER CO.</td>
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<td>2</td>
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<td>BAY CO.</td>
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<td>HARDEE CO.</td>
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<tr>
<td>BRADFORD CO.</td>
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<td>HENDRY CO.</td>
<td>10</td>
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<tr>
<td>BREVARD CO.</td>
<td>159</td>
<td>HERNANDO CO.</td>
<td>21</td>
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<tr>
<td>BROWARD CO.</td>
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<td>HIGHLANDS CO.</td>
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<td>CHARLOTTE CO.</td>
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<td>29</td>
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<tr>
<td>CITRUS CO.</td>
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<td>JACKSON CO.</td>
<td>9</td>
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<tr>
<td>CLAY CO.</td>
<td>16</td>
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<td>LEE CO.</td>
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<tr>
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<td>1754</td>
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<tr>
<td>DIXIE CO.</td>
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<td>MARION CO.</td>
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<td>PUTNAM CO.</td>
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<tr>
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<td>SARASOTA CO.</td>
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<td>JEFFERSON CO.</td>
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<td>SEMINOLE CO.</td>
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<td>ST JOHNS CO.</td>
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<td>LEE CO.</td>
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<td>ST LUCIE CO.</td>
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<tr>
<td>LEON CO.</td>
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<td>SUMTER CO.</td>
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<td>SUWANNEE CO.</td>
<td>4</td>
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<td>MANATEE CO.</td>
<td>78</td>
<td>TAYLOR CO.</td>
<td>1</td>
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<tr>
<td>MARION CO.</td>
<td>92</td>
<td>UNION CO.</td>
<td>2</td>
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<tr>
<td>MARTIN CO.</td>
<td>22</td>
<td>VOLUSIA CO.</td>
<td>123</td>
</tr>
<tr>
<td>MONROE CO.</td>
<td>68</td>
<td>WAKULLA CO.</td>
<td>1</td>
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<tr>
<td>NASSAU CO.</td>
<td>5</td>
<td>WALTON CO.</td>
<td>4</td>
</tr>
<tr>
<td>OKALOOSA CO.</td>
<td>33</td>
<td>WASHINGTON CO.</td>
<td>1</td>
</tr>
<tr>
<td>OKEECHOBEE CO.</td>
<td>6</td>
<td></td>
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</tr>
</tbody>
</table>

County totals exclude Department of Corrections cases (N=584).
HIV/HCV Co-infection

- 5-10% of HCV are HIV infected
- 30-40% of HIV are HCV infected
- 50-90% of HIV infected IDUs also have HCV
- Rx for hepatitis C while co-infected with HIV may take 6 months longer for sustained viral response (SVR)

Testing

# Hepatitis Panels Done by State Lab*

2005: 13,647
2006: 14,230
2007: 24,842
2008: 34,608
2009: 35,515

160% Increase in Testing from 2005 thru 2009
*Based on HMS Data
Positivity Rate*, Hepatitis Testing
State Lab - Jan-Dec 2008

Hepatitis A Antibody: 25.9%**
Hepatitis B Surface Antibody: 42.4%***
Hepatitis B Surface Antigen: 1.2%****
Hepatitis C Antibody: 6.8%*****

* Raw data from LabWare (Fla State Laboratory)
** + A Antibody means immunity due to previous infection or vaccination
*** + Hep B Surface Antibody usually denotes vaccine protection
**** + Hep B Surface Antigen usually means acute or chronic infection
***** Most Hep C Antibody + (over 99%) are chronic
Positivity Rate*, Hepatitis Testing
State Lab - Jan-Dec 2009

Hepatitis A Antibody: 28.7%**
Hepatitis B Surface Antibody: 45.4%***
Hepatitis B Surface Antigen: 1.1%****
Hepatitis C Antibody: 6.5%*****

* Raw data from LabWare (Fla State Laboratory)
** + A Antibody means immunity due to previous infection or vaccination
*** + Hep B Surface Antibody usually denotes vaccine protection
**** + Hep B Surface Antigen usually means acute or chronic infection
***** Most Hep C Antibody + (over 99%) are chronic
Florida State University
## TOTAL A, B & A/B Vaccines*
### 2005 - 2009

<table>
<thead>
<tr>
<th></th>
<th># Vaccines</th>
<th># Diff Last Yr</th>
<th>% Diff Last Yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>33,601</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2006</td>
<td>31,221</td>
<td>-2380</td>
<td>-7.1%</td>
</tr>
<tr>
<td>2007</td>
<td>37,026</td>
<td>+5805</td>
<td>+18.6%</td>
</tr>
<tr>
<td>2008</td>
<td>41,431</td>
<td>+4405</td>
<td>+11.9%</td>
</tr>
<tr>
<td>2009</td>
<td>35,429</td>
<td>-6002</td>
<td>-14.5%</td>
</tr>
</tbody>
</table>

*Based on HMS Data
<table>
<thead>
<tr>
<th></th>
<th>HMS</th>
<th>Fla SHOTS (CHD)</th>
<th>Fla SHOTS (All Sites)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>31,221</td>
<td>29,189</td>
<td>29,431</td>
</tr>
<tr>
<td>2007</td>
<td>36,525</td>
<td>42,702</td>
<td>45,588</td>
</tr>
<tr>
<td>2008</td>
<td>41,726</td>
<td>46,067</td>
<td>50,832</td>
</tr>
<tr>
<td>2009</td>
<td>35,621</td>
<td>40,092</td>
<td>46,372</td>
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</tbody>
</table>

“All Sites” includes MOA partners (Alert Health Inc, Armor Health Care, CFDFL, etc)
NOTE: Information on vaccine activity entered into Fla SHOTS (State Health Online Tracking System) is not always entered into HMS
Adult Hepatitis Vaccine Delivery
Florida Hepatitis Prevention Program

All sites-Florida SHOTS 2007-2009
317 Vaccine Initiative

- Partnership between hepatitis & immunization programs (CDC and DOH)
- Hep B & A/B combo vaccine only
- No infrastructure
- Advance “Elimination of Hepatitis B in US”
- Venue-based vaccine delivery (STD, jails, substance abuse Rx facilities)
Adult Hepatitis Vaccine

- End of CDC-sponsored adult hepatitis vaccine – 2010 ($250k?)
- HPP working with Bureau of Imm to access Florida 317 vaccine in 2011
- HPP working with Bureau of Epi to access hepatitis funds to purchase vaccine ($100k - $150k)
- $106k line item in HPP budget
- Total of $456k - $506k
- Plus, using up 317 supply from 2010
Public Health Reports

- Article submitted describing Florida’s HPP experience with the availability of 317 adult hepatitis vaccine
- Initial increase in hep A vaccine
- Opportunity to collaborate with CBOs, jails, etc.
- Unintended + consequence of increased amount of hepatitis panel testing
Destin
I.O.M. Hepatitis Report

- “Hepatitis and Liver Cancer: A National Strategy for Prevention and Control of Hepatitis B and C”
- Pre publication copy released January 2010
- Final copy in May
- Generated lots of press
- Researched, met with key stakeholders
- Florida’s HPP was an invited reviewer/editor
- Florida’s HPP cited (from 2007 PHR article)
- Florida’s Hepatitis Comprehensive Plan used as resource
I.O.M. Report Contents

• Hepatitis **Surveillance** (consistent, national)
• **Knowledge & Awareness** (for health care providers, those at risk & general population)
• **Immunization** (Infants, adolescents & adults—hepatitis B elimination & develop hep C vaccine)
• Hepatitis **Services** (community health cntrs, SEPs, Medicare, Medicaid, corrections)
• 22 Recommendations
• [www.national-academies.org](http://www.national-academies.org)
CDC Hepatitis Plan

- Division of Viral Hepatitis Strategic Plan – 2010-2015
- Will be finalized later this year
- 4 Strategic Imperatives
- 13 Goals
- Recognizes recommendations from IOM report
4 Strategic Imperatives from CDC Strategic Plan

• Protect vulnerable populations from viral hepatitis (32% of resources)
• Prevent disease & death from chronic hepatitis B & C (32%)
• Collect and disseminate data to guide disease prevention (32%)
• Act globally to disseminate effective interventions and detect emerging threats (4% of resources)
Federal Legislation

- HR 3974: “Viral Hepatitis & Liver Cancer Control & Prevention Act of 2009” (B & C)
- Reps. Mike Honda (D-CA) and Charles Dent (R-PA) et al (Bipartisan support)
- Sen. John Kerry introduced bill in Senate
- Outlines: Prevention, Medical Mgmt, Education & Training, Surveillance, Vaccine, More Support for AVHPCs
- $90 million (2011) to $150 million (2015)
- 2010 CDC funding: $19.3 million
- 2011 funding: Prob. $21.1 million
Funding In Florida

• Total State Funding: $2,864,818 for 2010-11
• Current state funding:
  -$2,140,400 for 15 funded CHDs
  -$481,749 for vaccine, laboratory, test kits, supplies…
  -$242,669 for 5 HQ FTEs
• Current federal funding:
  -$86,044 Coop Agreement with CDC
  -$1,097,889 in 317 Vaccine
  Gone after Nov. 1, 2010
Downtown Tampa
Viral Hepatitis Council (VHC)

• Next meeting: 2011
• Group will analyze:
  – Gaps in Services
  – Barriers to Service Provision
  – Unmet Needs (with or without additional funding)
  – Current goals, objectives & action steps
Program Goals & Objectives

• Raise awareness of viral hepatitis
• Develop & distribute educational info
• Coordinate & collaborate with disease control programs re intervention & prevention (spirit of PCSI)
• Track the burden of disease through case surveillance and reporting
• Conduct research & evaluation
• Reduce hepatitis morbidity & mortality
Analysis & Evaluation

• Review objectives 2x/year for IPR and APR to CDC
• Performance measures
• Reported A-B-C Cases (from Merlin to MSR)
• Chronic hepatitis C
• # Vaccines given (inc. 2\textsuperscript{nd} “A” dose & 2\textsuperscript{nd} & 3\textsuperscript{rd} “B” doses)
• # Tests performed (and positives)
• Budget (how and where money is spent)
• Clients with a risk
10th ANNIVERSARY
FLORIDA HEPATITIS PREVENTION PROGRAM
2000 – 2010
Program Highlights

• Legislature 1st funded program in FY1999-2000
• Jan 2000: 1st six BIG funded CHDs
• Sep 2000: 1st full-time Program Admin
• Mar 2001: All 67 CHD offer hep A & B vaccine and testing
• Mar 2004: 1st VHC meeting (Tampa)
More Highlights

• Jul 2004: 1st issue of *Hepatitis Health*
• Oct 2004: 1st comprehensive plan (2005-07)
• Feb 2006: 20-year surveillance report
• Nov 2007: AVHPC Coop Agreement with CDC
• Nov 2007: 1st CDC 317 vaccine funding
• May 19, 2008: 1st observance of WHD
• Jan 2010: 594 chronic “C” cases reported in 2000--20,019 reported in 2009 (62% of the nearly 300,000 estimated in Fla)
World Hepatitis Day, 2010

• Tallahassee, May 19
• Partnering with the Talla Fire Dept for EMS Awareness Week
• Other partners: DOH, state, private
• Press release
• Press conference
• Displays
• Vaccine
• Mayoral proclamation
• Next: July 28, 2011
Thanks for Listening

St. Petersburg Beach