Florida Hepatitis Prevention Program Overview

Prevention Planning Group Meeting

Tampa
April 1, 2014

www.FlaHepatitis.org
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Testing

# Hepatitis C Tests Done by State Lab*

<table>
<thead>
<tr>
<th>Year</th>
<th>Tests Done</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>22,812</td>
</tr>
<tr>
<td>2008</td>
<td>28,188</td>
</tr>
<tr>
<td>2009</td>
<td>33,004</td>
</tr>
<tr>
<td>2010</td>
<td>25,756</td>
</tr>
<tr>
<td>2011</td>
<td>21,018</td>
</tr>
<tr>
<td>2012</td>
<td>22,826</td>
</tr>
<tr>
<td>2013</td>
<td>23,442</td>
</tr>
</tbody>
</table>

44.7% Increase in testing from 2007 thru 2009
29% Decrease in testing from 2009 thru 2013

*Based on LabWare Data
Positivity Rate\textsuperscript{1}, Hepatitis Testing
State Lab - Jan-Dec 2013

Hepatitis A Antibody: 30\% \textsuperscript{2}
Hepatitis B Surface Antibody: 44.3\% \textsuperscript{3}
Hepatitis B Surface Antigen: 0.7\% \textsuperscript{4}
Hepatitis C Antibody: 10\% \textsuperscript{5}

1. Raw data from LabWare (Fla State Laboratory)
2. + A Antibody means immunity due to previous infection or vaccination
3. + Hep B Surface Antibody usually denotes vaccine protection
4. + Hep B Surface Antigen usually means acute or chronic infection
5. Most Hep C Antibody + (over 99\%) are chronic
Hepatitis C in Florida

• Average of over 22,500 chronic hep C cases per year reported from 2003-2013
• Average of about 48 acute hep C cases per year reported over the same period
• About half the states do not report chronic hep C
• An estimated 310,000 cases of hep C in Florida (around 4 million in the US—or, 3.2 to 5 million, depending on what you read)
• Prevalence of 1.0% to around 2.0% (we use 1.6%)
• 25% - 50% are unaware of their infection in Florida
• Up to 75% are unaware of their infection in the US
Marina, Ft. Myers
Reported Chronic Hepatitis C Cases
Florida 2003-2012

Source: ESSENCE Database, Florida Department of Health, 03/29/2013
Reported Chronic Hepatitis C Cases
“Baby Boomer” Cohort Age 47-67 Years
Florida 2003-2012

Source: ESSENCE Database, Florida Department of Health, 03/29/2013
Baby Boomer Cohort

- Born from 1945 to 1965
- CDC Guidance, Aug 2012
- Get tested
- Healthcare workers should suggest testing to this group
- 75% of chronic hep C in US in this age group
Hepatitis C in Florida: Testing Individuals Born from 1945-1965 (The Baby Boomer Cohort), August 2013

Philip E. Reichert, MPH and Cyndena A. Hall
Florida Department of Health, Bureau of Communicable Diseases, HIV/AIDS and Hepatitis Section

Statement of Problem
In about 75% to 85% of individuals infected with the hepatitis C virus (HCV), chronic disease persists and may lead to cirrhosis (scarring of the liver), liver cancer or death. Most people with HCV have no discernable symptoms for twenty to thirty years or more. According to the Centers for Disease Control and Prevention (CDC), approximately 75% of all HCV infections occur in Americans born from 1945 to 1965, the “Boomer Cohort”, although they represent only 27% of the US population. In August 2012, CDC released a Morbidity and Mortality Weekly report recommendation titled: Recommendations for the Identification of Chronic Hepatitis C Virus Infection Among Persons Born During 1945-1965. In this report, CDC recommended a one-time test for Americans in the boomer cohort.

Objective
Provide Florida-related data to support CDC’s recommendation that Floridians born from 1945-1965 should be tested for HCV even in the absence of traditional risk factors (such as: persons who share drug or tattooing equipment, blood transfusion before 1992, occupational exposures, etc.)

Description of Program
Offer HCV testing to persons born from 1945-1965 in private and public health settings, including sexually transmitted disease clinics, family health, HIV, and other service settings.

Figure #1
Reported Acute Hepatitis C in Florida Statewide 2003-2012

Figure #2
Reported Acute Hepatitis C in Florida Baby Boomer Cohort 1945-1965

Figure #3
Reported Chronic Hepatitis C in Florida Statewide 2003-2012

Figure #4
Reported Chronic Hepatitis C in Florida “Baby Boomer” Cohort 1945-1965

Summary and Conclusion
Florida has identified an average of 41 acute and 22,346 chronic cases of hepatitis C from 2003 through 2012. Twenty-three percent of acute and 55% of reported chronic cases are in persons born between 1945 and 1965. Individuals in the Baby Boomer cohort constitute approximately 27% of the total population in Florida. Approximately 300,000 persons in Florida have hepatitis C. An estimated 170,000 of those cases are in the Baby Boomer cohort. Florida has documented approximately 80% of expected chronic hepatitis C cases. With current and new therapies on the horizon for HCV, testing this group will link individuals unaware of their infection to medical services that will reduce HCV morbidity and mortality in Florida and the U.S.

References
2 MERLIN/ESSENCE databases. Florida Department of Health, Bureau of Epidemiology, June 2013
4 Centers for Disease Control and Prevention. Recommendations for the identification of chronic hepatitis C virus infection among persons born during 1945-1965, MMWR 2012, 61 (No RR-4)
St. Petersburg
Reported Acute Hepatitis B Cases
Florida 2003-2012

Source: ESSENCE Database, Florida Department of Health, 03/29/2013
Reported Chronic Hepatitis B Cases
Florida 2003-2012

Source: ESSENCE Database, Florida Department of Health, 03/29/2013
Reported Hepatitis A
Florida 2002-2012

Source: ESSENCE Database, Florida Department of Health, 03/29/2013
Caloosahatchee River, Ft. Myers
<table>
<thead>
<tr>
<th>Year</th>
<th># Vaccines</th>
<th># Diff Last Yr</th>
<th>% Diff Last Yr</th>
</tr>
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<tbody>
<tr>
<td>2009</td>
<td>40,535</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2010</td>
<td>31,575</td>
<td>-8960</td>
<td>-22.1%</td>
</tr>
<tr>
<td>2011</td>
<td>25,026</td>
<td>-6549</td>
<td>-20.7%</td>
</tr>
<tr>
<td>2012</td>
<td>19,681</td>
<td>-5345</td>
<td>-21.4%</td>
</tr>
<tr>
<td>2013</td>
<td>11,459</td>
<td>-8222</td>
<td>-41.8%</td>
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*Based on Data from Florida SHOTS (State Health Online Tracking System)
Why Have Vaccine Numbers Gone Down?

• Diminishing Resources (less funding)
• Competing Priorities (nurses called to give flu vaccine)
• Revised Guidance (temporarily suspended buying hep A vaccine, test before vaccinating)
317 Vaccine, 2012 - 2014

- 317 Vaccine CDC Grant, $212k for 2 years
- Collaboration with Immunization Program
- Will provide 13,420 doses of hep B
- Infrastructure costs built in
- 6 CHDs (Miami-Dade, Orange, Duval, Clay, Polk & Sarasota)
- Adding Monroe to make it 7
- Two-year project (Oct 2012 through Sept 2014)
Rainbow Over Tampa
Funding In Florida

- **Total State Funding:** $1,413,745 for 2013-2014 (same for 2014-2015)
- **Current state funding:**
  - $1,083,685 for 15 funded CHDs
  - $131,651 for vaccine, laboratory, test kits, supplies…
  - $190,409 for 4 HQ FTEs
- **Current federal funding:**
  - $108,287 Coop Agreement with CDC
State Funding Comparison

- FY 2002-03 through FY 2008-09: $3,120,000 per year
- FY 2009-10: $2,908,818
- FY 2010-11: $2,788,022
- FY 2011-12: $1,646,725
- FY 2012-13: $1,413,745
- FY 2013-14: $1,413,745

# and % diff between FY 08-09 & FY 12-13: $1,706,255 (-54.7%)
CDC Surveillance Grant

- Funded for 3 years (Oct 2012 – Sep 2015)
- Added to CDC Hepatitis Prevention Grant
- $528,414/year (down $14k due to sequestration)
- 3 HQ positions (Inc. HPP Surv)
- 3 field positions (Palm Beach, Orange & Hillsborough)
- Administered by Bureau of Epi
- Chronic C, hep C in young people (under 30)
Pensacola Beach, Santa Rosa Island
New Hepatitis C Meds

• **Sofosbuvir (Sovaldi-Gilead)** – Approved by FDA Dec 2013

• **Simeprevir (Olysio-J & J)** – Approved by FDA Nov 2013

• Both drugs, generally used with SOC (Standard of Care): Peg Interferon & Ribavirin

• About 90% SVR (Cure) in 14 weeks, instead of 48 weeks

• About $90,000 for 14 Wk Rx regimen
2014 Legislature

- HB465 and SB824: “Hepatitis C Testing Act”
- House sponsor: Rep. Mia Jones, Jax
- Senate sponsor: Sen. Arthenia Joyner, Tampa
- Similar to NY law (as of Jan 1, 2014)
- 465 & 824 approved by committees

The bill:
- Shall offer hep C test if born from 1945-1965
- Hospital inpatient or outpatient, primary care services
- Doctor, ARNP, PA
- Caveats: Unless pt is being Rxed for a life-threatening emergency, has already been offered, is incapable of providing consent to test
- If +, offer follow-up or referral
MacArthur Causeway, Miami
Viral Hepatitis Council (VHC)

- Writes Hepatitis Prevention Comprehensive Plan
- Discusses common issues
- Provides advice and guidance
- 20 Member Maximum (Currently, 15 members)
- Next meeting (awaiting approval): May 15-16, Tampa
- Looking for a consumer to join group
- Writing group met in Tallahassee to update objectives and action steps for comp plan, February 24, 2014
Current HPP Goals

1) Track viral hepatitis case surveillance and reporting
2) Coordinate & collaborate with communicable disease control programs regarding prevention & intervention efforts
3) Reduce hepatitis morbidity & mortality
4) Conduct data analysis & evaluation
5) Raise statewide awareness of viral hepatitis
6) Develop & distribute educational information

Currently, 30 Objectives
**Events & Observances**

- Hepatitis Day at the Capitol (April 16, 2014—Approved!)
- Hepatitis Awareness Month (May)
- National Hepatitis Testing Day (May 19—First one in 2012)
- World Hepatitis Day (July 28)
- Liver Awareness Month (October)
Over Tallahassee
kNOw More Hepatitis

- Hepatitis Prevention Campaign
- Posters, materials available free of charge
- [www.cdc.gov/KnowMoreHepatitis](http://www.cdc.gov/KnowMoreHepatitis)
HHS Hepatitis Action Plan

- Updated Action Plan to be Released April 2014
- Educate Providers and Communities
- Testing, Care and Treatment
- Surveillance
- Vaccine
- Reduce Hepatitis due to Drug Use
- Health Care Associated Viral Hepatitis

*Follow up: Grants, funding

Published April 2011 -- Result of 2010 I.O.M. recommendations

cdc.gov/hepatitis
Old and New Capitols, Tallahassee
Farewell, Sherry
Was Sherry really June Cleaver?
Or, did Sherry play the part of Dodie on *My Three Sons* before her foray into public health?
Thank You for Listening

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www.FlaHepatitis.org
Harvey Lee says, “Bye for now!”