Hepatitis C in Wisconsin: Focus on Baby Boomers

Background

Hepatitis C (HCV) is a blood-borne virus that infects approximately 3.2 million people in the United States. The majority of those infected were born between 1945 and 1965 and are referred to as the baby boomer population.1

- Baby boomers are five times more likely than other age groups to be infected with HCV.
- 75% of individuals in the U.S with HCV infection were born between these years.
- Up to 75% of infected individuals may not know they are infected because they do not have symptoms of the disease.

When HCV is undiagnosed and untreated, it can cause adverse health effects, most importantly cirrhosis of the liver, liver cancer, and liver failure.

People born between 1945-1965 are five times more likely to be infected with HCV.

Wisconsin Trends

In 2012, baby boomers made up only a quarter of the total population, but made up 53% of all of the HCV cases in the state (Figure 1).2

Figure 1: Ages of Wisconsin Population and HCV Prevalence, 2012

The percent of HCV hospitalizations in baby boomers was three times the percent of hospitalizations for other causes in this age group (Figure 2).3

Similar comparisons can be seen in other health care settings:

- Hospitalizations in HCV-infected baby boomers increased 78% from 1,618 in 2003 to 2,886 in 2012 (Figure 3).
- The rate of hospitalization of HCV-infected baby boomers in 2012 was five times greater than that of infected persons in other age groups.
- 81% of HCV-related liver transplants between years 2009 and 2013 occurred in baby boomers aged 50-64.

Figure 2: Ages of Non-HCV and HCV-related Hospitalizations, 2012

Figure 3: Number of Hospitalizations with HCV, by Age Group, Wisconsin, 2003-2012
Wisconsin Deaths

The Wisconsin Vital Records Registry contains information on primary and underlying causes of death. When examining age at death, there is a clear difference between persons with HCV-related deaths and those dying from other causes (Figure 4). 4

- The median age at death with HCV infection as either the primary or underlying cause of death is 57 years.
- The median age at death without HCV listed as a cause of death is 79 years.
- 80% of HCV-related deaths occurred in baby boomers.
- 17% of non-HCV-related deaths occurred in baby boomers.

Figure 4: Age Distribution of Deaths in Wisconsin, 2009-2011

<table>
<thead>
<tr>
<th>Age at Death (Years)</th>
<th>Percent of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
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</tr>
<tr>
<td>5-14</td>
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<td>55-64</td>
<td>11.2</td>
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<td>65-74</td>
<td>7.4</td>
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<tr>
<td>75-84</td>
<td>3.0</td>
</tr>
<tr>
<td>85+</td>
<td>0.4</td>
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</tbody>
</table>

What can health care providers do?

**The U.S Preventive Services Task Force recommends a one-time screening for HCV of all individuals born between 1945-1965...**

Encourage all baby boomers to be screened for hepatitis C infection, along with individuals who have any of the following risks:

- Ever injected drugs
- Had a blood transfusion or transplant before 1992
- Have ever been on long-term hemodialysis
- Ever worked in a health care field and was exposed to blood

Stay up to date on treatment advances...

New treatments will require fewer pills, have fewer side effects, shorter regimens, and more efficacy

Additional Resources

**AASLD Treatment Guidelines**
http://www.aasld.org/practiceguidelines/pages/default.aspx

**CDC Testing Guidelines**
http://www.cdc.gov/hepatitis/HCV/GuidelinesC.htm

**The Epidemiologic Profile of Hepatitis C Virus in Wisconsin, 2014**
http://www.dhs.wisconsin.gov/publications/P0/p00860.pdf

References

2. Wisconsin Electronic Disease Surveillance System, Division of Public Health, Wisconsin Department of Health Services. Data include prevalent HCV cases reported as of 3/31/2014.

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