The Epidemic of Hepatitis C Virus (HCV) Infections in Michigan’s Young Adults

HCV cases in young adults in MI (aged 18-29 years) have increased from 59 cases in 2000 to 2,060 cases in 2016.

- **17%** of all chronic hepatitis C cases in Michigan in 2016 were aged 18 through 29 years.
- **53%** of chronic hepatitis C cases in Michigan young adults in 2016 were male.
- **89%** of chronic hepatitis C cases in Michigan young adults in 2016 were Caucasian.
- **84%** of chronic hepatitis C cases in Michigan young adults in 2016 reported IV drug use.

**Young Adult HCV Epidemic – By the Numbers**

<table>
<thead>
<tr>
<th>Category</th>
<th>2000</th>
<th>Increase</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young Adult HCV Case Count</td>
<td>59</td>
<td>3,392% Increase</td>
<td>2,060</td>
</tr>
<tr>
<td>Heroin Treatment Admissions</td>
<td>7,291</td>
<td>227% Increase</td>
<td>25,910</td>
</tr>
<tr>
<td>Heroin Overdose Deaths</td>
<td>65</td>
<td>891% Increase</td>
<td>644</td>
</tr>
</tbody>
</table>

- The *rise in young adult hepatitis cases* is thought to be related to the concurrent *increase in intravenous drug use* within the age group.
- Young adults infected with hepatitis C tend to be:
  - Caucasian
  - Residents of suburban or rural areas
  - Equally male and female

1 in 3 young adults that use IV drugs is infected with hepatitis C.
2.7-3.9 million people in the US have Chronic Hepatitis C

Out of every 100 people infected:
- 60 to 70 develop chronic Liver disease
- 5 to 20 develop cirrhosis over 20-30 years
- 1 to 5 die from cirrhosis or liver cancer

Hepatitis C Virus (HCV) is a blood-borne pathogen that can cause a chronic infection that affects the liver. Chronic infection with HCV can lead to liver disease, liver cancer, and death.

HCV treatments are over 90% effective, yet less than 10% of those infected are cured

Liver cancer incidence and mortality are growing faster than any other common cancer. Factors contributing to liver cancer incidence in the US include:
- 50% Hepatitis C related
- 35% Other factors
- 15% Hepatitis B related

Hepatitis C Virus Testing and Treatment Continuum

**Hepatitis C Virus is nearly 4 times as prevalent as HIV and Hepatitis B virus in the US**

FY 2017 President’s Budget Request ($ In Millions) for NCHHSTP Programs

- **HIV**: $789
- **STD**: $157
- **Tuberculosis**: $142
- **Viral Hepatitis**: $39