STI, BBV & HIV
Epidemiology Update
Period Ending 4th Quarter 2014

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Department of Health
Number of chlamydia, gonorrhoea, unspecified hepatitis B & unspecified hepatitis C notifications in WA by time period

<table>
<thead>
<tr>
<th>Infection</th>
<th>5 year mean</th>
<th>Previous 12 month period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlamydia</td>
<td>5% increase</td>
<td>3% decrease</td>
</tr>
<tr>
<td>Gonorrhoea</td>
<td>28% increase</td>
<td>12% increase</td>
</tr>
<tr>
<td>Hepatitis B (Unsp.)</td>
<td>8% increase</td>
<td>10% increase</td>
</tr>
<tr>
<td>Hepatitis C (Unsp.)</td>
<td>Comparable</td>
<td>Comparable</td>
</tr>
</tbody>
</table>

Delivering a Healthy WA
Number of infectious syphilis, newly acquired hepatitis B & newly acquired hepatitis C notifications in WA by time period

<table>
<thead>
<tr>
<th>Infection</th>
<th>5 year mean</th>
<th>Previous 12 month period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infectious syphilis</td>
<td>11% increase</td>
<td>14% increase</td>
</tr>
<tr>
<td>Hepatitis B (New Acq.)</td>
<td>20% decrease</td>
<td>38% decrease</td>
</tr>
<tr>
<td>Hepatitis C (New Acq.)</td>
<td>46% increase</td>
<td>27% increase</td>
</tr>
</tbody>
</table>

**Time period comparison**

**Number of notifications**

- **Infectious Syphilis**
  - 2013: 88.6
  - 2014: 98

- **Hepatitis B (Newly acquired)**
  - 2013: 30.0
  - 2014: 39

- **Hepatitis C (Newly acquired)**
  - 2013: 107.8
  - 2014: 157
Number of gonorrhoea notifications by exposure category and time period

- Majority heterosexual but greatest increases among MSM

![Bar chart showing number of notifications by exposure category and year.]
Number of newly acquired hepatitis C notifications in WA by Aboriginality and time period

- Notifications among Aboriginal people almost doubled
- 83% of notifications among Aboriginal people from prisons
- Majority of Aboriginal people notified by prisons after entry screening
Number of newly acquired hepatitis C notifications among Aboriginal people in prison in WA by risk factor and time period

- Reports of injecting drug use and a history of imprisonment have increased over time.
HIV
Number of HIV notifications in WA by time period

![Graph showing the number of HIV notifications in WA from 2010 to 2014. The graph indicates a gradual increase in notifications over the years.]
Crude HIV notification rate in WA by sex

Crude notification rate per 100,000 population

Year

Male
Female

Delivering a Healthy WA
Number of HIV notifications in WA by exposure category
Newly diagnosed HIV among men who have sex with men by age group, WA residents

Time period comparison

<table>
<thead>
<tr>
<th>Age Group</th>
<th>2014</th>
<th>Previous 5-year mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 to 29 yrs</td>
<td>25 notifications</td>
<td>11 notifications</td>
</tr>
<tr>
<td>30 to 34 yrs</td>
<td>12 notifications</td>
<td>6 notifications</td>
</tr>
</tbody>
</table>

![Graph showing number of notifications by age group and year]
Newly diagnosed HIV notifications among men who have sex with men by stage of infection, WA residents

Late HIV = CD4 count 200 to 349 cells per µL at time of diagnosis
Advanced HIV = CD4 count < 200 cells per µL at time of diagnosis
Newly diagnosed HIV notifications among men who have sex with men and time since last HIV test, WA residents

Year

Within last 12 months
> 1 year to 2 years
> 2 years
No report of previous HIV test

Number of notifications
HIV notifications among men who have sex with men by place of birth and acquisition, WA residents

![Bar chart showing HIV notifications by year and place of birth and acquisition for WA residents.](chart.png)
HIV notifications among males reporting heterosexual exposure by place of birth and acquisition, WA residents

![Graph showing HIV notifications by place of birth and acquisition by year.](graph.png)

- **Aus born and acquired**
- **Overseas born and Aus acquired**
- **Overseas born and acquired**
- **Aus born and overseas acquired**
- **Unknown place born and/or acquired**

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HIV notifications among females reporting heterosexual exposure by place of birth and acquisition, WA residents

- Aus born and acquired
- Overseas born and Aus acquired
- Overseas born and acquired
- Aus born and overseas acquired
- Unknown place born/acquired

Year period:
- 2010: 26 notifications
- 2011: 20 notifications
- 2012: 17 notifications
- 2013: 14 notifications
- 2014: 20 notifications