WASHINGTON IMMUNIZATION TRENDS

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Office of Immunization and Child Profile
Today’s Presentation

At the conclusion of today’s presentation, participants should be able to:

▪ Describe current immunization trends rates in the U.S.
▪ Identify trends identified recent Washington state measles outbreak
▪ Define some factors that might impact local or regional area immunization rates
▪ Identify Washington policy planning
Section 1

IMMUNIZATION TRENDS IN THE U.S.
Community Immunity

Some of the population gets immunized.

Contagious disease spreads through some of the population.

= not immunized but still healthy
= immunized and healthy
= not immunized, sick, and contagious

CDC at: https://www.cdc.gov/outbreaks/index.html, accessed 7/22/19
School Immunizations Requirements

Vaccine-Preventable Outbreaks

CDC identifies the following current multi-state outbreaks in the U.S:

- Measles
- Hepatitis A

CDC at: https://www.cdc.gov/outbreaks/index.html, accessed 7/22/19
U.S. Measles Cases in 2019

https://www.cdc.gov/measles/cases-outbreaks.html; accessed 07/22/19
Measles Outbreak History

Washington State Measle Cases 1920-2018

Current Vaccine Introduced

1968-present

Cases

0 5000 10000 15000 20000 25000

Year


Slide courtesy of Chas DeBolt, RN, MPH, Sr. Epidemiologist, VPD, WA DOH
Confirmed Measles Cases from Clark County by Rash Onset Date (n=74)*

- 72% of patients 10 years old or younger
- 95% of patients unimmunized or unverified status

* Cases reported as of March 18, 2019
WA State Outbreak January 2019

72 cases

<table>
<thead>
<tr>
<th>Summary Numbers</th>
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<tbody>
<tr>
<td>Total confirmed cases</td>
</tr>
<tr>
<td>Currently under investigation</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Reported Confirmed Cases by County</th>
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<tbody>
<tr>
<td>Clark</td>
</tr>
<tr>
<td>King</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hospitalization:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed cases</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Vaccination Status (confirmed cases):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to date (two doses)</td>
</tr>
<tr>
<td>One dose</td>
</tr>
<tr>
<td>Unimmunized</td>
</tr>
<tr>
<td>Unknown</td>
</tr>
<tr>
<td>Too young</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Demographics of Confirmed Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age Categories:</td>
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<tr>
<td>&lt;1</td>
</tr>
<tr>
<td>1-10</td>
</tr>
<tr>
<td>11-18</td>
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<tr>
<td>19-29</td>
</tr>
<tr>
<td>30-39</td>
</tr>
<tr>
<td>40-49</td>
</tr>
<tr>
<td>50-59</td>
</tr>
</tbody>
</table>

Public Health excluded susceptible students and staff at 13 public schools in three school districts and two private schools.

- **Evergreen Public Schools**
  - Six schools
  - 293 students excluded

- **Vancouver Public Schools**
  - Three schools
  - 138 students excluded

- **Battle Ground Public Schools**
  - Four schools
  - 398 students excluded

- **Slavic Christian Academy**
  - No students excluded

- **Cornerstone Christian Academy**
  - 20 students excluded
2nd Measles Outbreak

8 cases at SEA on 4/25
1 case with exact sequence match & air travel 4/25 but not through SEA

Contact
1 public
**WA State Outbreak May 2019**

<table>
<thead>
<tr>
<th>Summary Numbers</th>
<th>13</th>
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<tbody>
<tr>
<td>Total confirmed cases</td>
<td>13</td>
</tr>
<tr>
<td>Currently under investigation</td>
<td>4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Reported Confirmed Cases by County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pierce</td>
</tr>
<tr>
<td>King</td>
</tr>
<tr>
<td>Snohomish</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hospitalization:</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed cases</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vaccination Status (confirmed cases):</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 doses</td>
</tr>
<tr>
<td>1 dose</td>
</tr>
<tr>
<td>2 or more doses</td>
</tr>
<tr>
<td>Unknown</td>
</tr>
<tr>
<td>Other documented evidence</td>
</tr>
</tbody>
</table>

| Demographics of Confirmed Cases     |     |
|-------------------------------------|
| **Age Categories:**                 |     |
| <1                                  | 2   |
| 1-10                                | 0   |
| 11-18                               | 3   |
| 19-29                               | 1   |
| 30-39                               | 1   |
| 40-49                               | 4   |
| 50-59                               | 2   |

Current case count: 13

[https://www.doh.wa.gov/YouandYourFamily/IllnessandDisease/Measles/Measles2019](https://www.doh.wa.gov/YouandYourFamily/IllnessandDisease/Measles/Measles2019), accessed 7/26/19.
Governor Inslee visits emergency coordination center for measles outbreak

Washington State Department of Health | 14
Hepatitis A

- Activation of a Hep A outbreak status in WA
- Multiple counties with cases
- Cross-agency workgroup to plan and address
Section 2

WASHINGTON IMMUNIZATION TRENDS
Washington Required Vaccinations

For Childcare: 7 Vaccines
- Hepatitis B, DTaP, Hib, Polio, PCH/pneumococcal, MMR, Varicella/Chickenpox
- Depending on age and when the child enters childcare, the some vaccines might not be indicated at that point in time

For School: 5 vaccines
- Hepatitis B, DTaP or Tdap depending on age, polio, MMR, Varicella

https://www.doh.wa.gov/CommunityandEnvironment/Schools/Immunization#reqs.
Kindergarteners complete for required immunizations, 2010-2018

Any exemption: 4.9%

Non-medical exemptions: 4.0%

Medical exemptions: 0.9%

Separate Certificate of Exemption required

Healthcare provider signature required on Certificate of Exemption

Kindergartners complete for required immunizations by county Washington, school year 2017-2018

Kindergarten: Percent Complete
- 90.709% - 96.644%
- 87.571% - 90.708%
- 85.980% - 87.570%
- 83.516% - 85.979%
- 79.311% - 83.515%
- 67.689% - 79.310%
- 47.009% - 67.688%

Students in grades K – 12 complete for required immunizations by county, Washington, school year 2017-2018

Students in grades K-12 with school immunization exemptions by county, Washington, school year 2017-2018

Individuals Making Up a Community

Work together
Shop together
Spend time together
School together

Vaccine preventable disease outbreak together too?

Pockets of Disease Outbreak At-Risk

Section 3

WASHINGTON IMMUNIZATION LAWS
Exemptions

- Medical
- Personal and philosophical exemption*
- Religious
- Religious membership: “…used when religious beliefs or teachings of the church preclude a health care practitioner from providing medical treatment to the child”

*Not allowed for MMR

Effective July 22, 2011, education must be provided by a healthcare practitioner

RCW28A.210.090
Who is Allowed to Sign?

- Physician licensed under chapter 18.71 or 18.57 RCW
- Naturopath licensed under chapter 18.36A RCW
- Physician Assistant licensed under chapter 18.71A or 18.57A RCW
- Advanced registered nurse practitioner licensed under chapter 18.79 RCW
### Certificate of Exemption—Personal/Religious

For School, Child Care, and Preschool Immunization Requirements

| Child’s Last Name: | First Name: | Middle Initial: | Birthdate (mm/dd/yyyy): |

**NOTICE:** A parent or guardian may exempt their child from the vaccinations listed below by submitting this completed form to the child’s school and/or child care. A person who has been exempted from a vaccination is considered at risk for the disease or diseases for which the vaccination offers protection. An exempted child/student may be excluded from school or child care settings and activities during an outbreak of the disease that they have not been fully vaccinated against. Vaccines preventable diseases still exist and can spread quickly in school and child care settings. Immunizations are one of the best ways to protect people from getting and spreading diseases that may result in serious illness, disability, or death.

**Personal/Philosophical or Religious Exemption**

I am exempting my child from the requirement my child be vaccinated against the following disease(s) to attend school or child care. Select an exemption type and check the vaccinations you wish to exempt your child from:

- **PERSONAL/PHILOSOPHICAL EXEMPTION**
  - Polio
  - Hepatitis A
  - DTaP
  - MMR
  - Pneumococcal
  - Meningococcal
  - Pertussis
  - Varicella
  - *Measles, mumps, or rubella may be exempted for personal/philosophical reasons per state law

**RELIGIOUS EXEMPTION**

- Polio
- Hepatitis A
- DTaP
- MMR
- Pneumococcal
- Meningococcal
- Pertussis
- Varicella

**Parent/Guardian Declaration**

One or more of the required vaccines are in conflict with my personal, philosophical, or religious beliefs. I have discussed the benefits and risks of immunizations with the health care practitioner (signed below). I have been told an outbreak of vaccine-preventable diseases occurs for which my child is exempted, my child may be excluded from their school or child care for the duration of the outbreak. The information on this form is complete and correct.

- Parent/Guardian Name (print)  
- Parent/Guardian Signature  
- Date

**Health Care Practitioner Declaration**

I have discussed the benefits and risks of immunizations with the parent/legal guardian as a condition for exempting their child. I certify I am a qualified MD, DO, ARNP, or PA licensed in Washington State.

- Licensed Health Care Practitioner Name (print)  
- Licensed Health Care Practitioner Signature  
- Date

**Religious Membership Exemption**

Complete this section ONLY if you belong to a religious organization that objects to the use of medical treatment. Use the section above if you have a religious objection to vaccinations but the beliefs or teachings of your church or religion allow for your child to be treated by medical professionals such as doctors and nurses.

**Parent/Guardian Declaration**

I am the parent or legal guardian of the above-named child. I affirm I am a member of a church or religion whose teaching does not allow health care practitioners to give medical treatment to my child. I have been told if an outbreak of vaccine-preventable disease occurs for which my child is exempted, my child may be excluded from their school or child care for the duration of the outbreak. The information on this form is complete and correct.

- Name of church or religion of which you are a member:
- Parent/Guardian Name (print)  
- Parent/Guardian Signature  
- Date

If you have a disability and need this form in a different format please call 1-800-525-1217 (TDD/TTY Call 711).  
DOH-546-106 May 2018

### Certificate of Exemption—Medical

For School, Child Care, and Preschool Immunization Requirements

| Child’s Last Name: | First Name: | Middle Initial: | Birthdate (mm/dd/yyyy): |

**NOTICE:** This form may be used to exempt a child from the requirement of vaccination when a health care practitioner has determined specific vaccination is not advisable for the child for medical reasons. This form must be completed by a health care practitioner and signed by the parent/guardian. An exempted child/student may be excluded from school or child care during an outbreak of the disease they have not been fully vaccinated against. Vaccines preventable diseases still exist, and can spread quickly in school and child care settings.

**Medical Exemption**

A health care practitioner may grant a medical exemption to a vaccine required by the Washington State Board of Health only if in his or her judgment, the vaccine is not advisable for the child. When it is determined that this particular vaccine is no longer contraindicated, the child will be required to have the vaccine (ECW 28A.210.090). Providers can find guidance on medical exemptions by reviewing Advisory Committee on Immunization Practices (ACIP) recommendations via the Centers for Disease Control and Prevention website, “Guide to Vaccine Contraindications and Precautions,” or the manufacturer’s package insert. The ACIP guide can be found at: [www.cdc.gov/vaccines/safety/acip-recs/general-recs/contraindications.html](http://www.cdc.gov/vaccines/safety/acip-recs/general-recs/contraindications.html)

Please indicate which vaccine antigen(s) the medical exemption is referring to. If the patient is not exempt from certain antigen(s), mark “not exempt.”

<table>
<thead>
<tr>
<th>Disease</th>
<th>Not Exempt</th>
<th>Permanent Exempt</th>
<th>Temporary Exempt</th>
<th>Expiration Date for Temporary Exemption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphtheria</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hepatitis B</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hib</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measles</td>
<td>X</td>
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<td></td>
</tr>
<tr>
<td>Mumps</td>
<td>X</td>
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<tr>
<td>Pertussis</td>
<td>X</td>
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<tr>
<td>Pneumococcal</td>
<td>X</td>
<td></td>
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</tr>
<tr>
<td>Polio</td>
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<tr>
<td>Tetanus</td>
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<tr>
<td>Varicella</td>
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</tbody>
</table>

**Health Care Practitioner Declaration**

I declare that vaccination for the disease(s) checked above is not advisable for this child. I have discussed the benefits and risks of immunizations with the parent/legal guardian as a condition for exempting their child. I certify I am a qualified MD, DO, ARNP, or PA licensed in Washington State, and the information provided on this form is complete and correct.

- Licensed Health Care Practitioner Name (print)  
- Licensed Health Care Practitioner Signature  
- Date

**Parent/Guardian Declaration**

I have discussed the benefits and risks of immunizations with the health care practitioner granting the medical exemption. I have been told if an outbreak of vaccine-preventable disease occurs for which my child is exempted, my child may be excluded from their school or child care for the duration of the outbreak. The information on this form is complete and correct.

- Parent/Guardian Name (print)  
- Parent/Guardian Signature  
- Date

If you have a disability and need this form in a different format please call 1-800-525-1217 (TDD/TTY Call 711).  
DOH-546-106 May 2018

Washington State Department of Health
Legislative Response

- Weekend of January 12-13: 11 suspect measles cases

- January 14: First Day of Legislative Session

- Two bills introduced
  - SB 5841 – removes personal belief exemptions for all vaccines for childcare and K-12
    ♦ Status: Dead
  - HB 1638 – removes personal belief exemptions for just MMR vaccine childcare and K-12, adds a MMR vaccination requirement for childcare workers and volunteers
    ♦ Status: Passed both houses and signed by Governor Inslee 10 May
New Immunization Law

Children in licensed child cares and schools (public and private):

- Removed option for personal and philosophical exemptions for measles, mumps, and rubella (MMR) vaccine

- No change to
  - Religious, religious membership, or medical exemptions
  - Titer testing in lieu of immunization

- Effective July 28, 2019
New Immunization Law

Employee & Volunteer Requirement:

- All licensed child care centers including ECEAP (Early Childhood Education & Assistance Program) and Head Start
- Employees and volunteers at child care centers must provide proof of MMR through one of the following:
  - Documentation of immunization
  - Proof of measles immunity with laboratory titer testing
  - Documentation of medical exemption

Information about the new law and FAQs:
www.doh.wa.gov/mmrexemption.
Pros and Cons

- **Parent:**
  - You’re taking away my right as a parent to make decisions for my child!
  - OR
  - I need help to protect my child by increasing community immunity

- **Healthcare provider:** You’re making it hard for me as a provider. Why are you making me make the decision?

- **Schools:**
  - I need to protect the immunocompromised child by increasing community immunity!
  - OR
  - The safest place for children is in school!

Washington State Department of Health
Washington State Department of Health is committed to providing customers with forms and publications in appropriate alternate formats. Requests can be made by calling 800-525-0127 or by email at civil.rights@doh.wa.gov. TTY users dial 711.