Oregon Health Authority Immunization Program Updates

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What are we going to talk about today

2019 updates

• Two stories
  – Measles
  – HPV

• Miscellaneous other important updates
  – Hepatitis A outbreak prevention work
  – Influenza in Department of Corrections facilities
A TALE OF TWO CONTINENTS
#1 ACROSS THE POND
MEASLES IN EUROPE, A CAUTIONARY TALE
Measles in Europe

Number of measles cases, June 2019

- 0
- 1
- 10
- 100

- No data
- EU/EEA Member States
- Other countries

Luxembourg
Malta

Produced 29 Jul 2019 using ECDC map maker: https://emma.ecdc.europa.eu
55,000 cases in 2019

Ukraine

 Luxemburg

 Malta


Produced 29 Jul 2019 using ECDC map maker: https://emma.ecdc.europa.eu
Ukraine Vaccination rates

WHO and UNICEF data

Ukraine Vaccination rates

Loss of vaccine confidence

Ukraine Vaccination rates

Annexation of Crimea and vaccine shortages

WHAT’S HAPPENING IN OREGON?
Oregon has had an average of <3 measles cases per year since 1993

*data as of 10 August 2019
What is going on in Oregon?

- Highest measles cases since 1991
- Loss of vaccine confidence
- Increasing school exemptions in close knit communities
- Luckily no geopolitical strife

Kindergarten completion and non-medical

Oregon law requires up-to-date proof of vaccinations for children to attend school. This includes preschool, child care or home care. If children do not have proof, they need an exemption.

[Graph showing kindergarten completion rate and non-medical exemption rate from 2015 to 2019]

https://www.oregon.gov/oha/PH/PREVENTIONWELLNESS/VACCINESIMMUNIZATION/Pages/researchschool.aspx
What is being done?

• Attempts at legislative solutions (HB 3063 did not pass in 2019)
• Metrics and Scoring committee retained childhood vaccination incentive metric
  – Regional quality improvement partnerships
    • Metro area vaccine hesitancy workgroup
    • Regional Quality Improvement partnerships
• State and County outreach to close knit communities at risk for measles outbreaks
#2 DOWN UNDER
HPV IN AUSTRALIA, AN OPTIMISTIC TALE
HPV Vaccine in Australia

- Elimination of cervical cancer by 2035 possible
- Vaccine delivered through school vaccination program
- 77% reduction in high risk HPV types
- 50% reduction in Cervical abnormalities in young adults
- 90% reduction in genital warts in young adults

http://www.hpvvaccine.org.au/the-hpv-vaccine/has-the-program-been-successful.aspx
HPV VACCINATION RATES IN AUSTRALIA
Proportion of the population aged 15 years who have received the first/second/third dose of the HPV vaccine, 2007 to 2017

Sex: Females

Displayed graph groupings
Population groups can be toggled on or off by clicking on the respective names below.
- Dose 1
- Dose 2
- Dose 3
Proportion of the population aged 15 years who have received the first/second/third dose of the HPV vaccine, 2007 to 2017

Sex: Males

Displayed graph groupings
Population groups can be toggled on or off by clicking on the respective names below.

- Dose 1
- Dose 2
- Dose 3
WHAT’S HAPPENING IN OREGON?
HPV cancers in Oregon, 2015-2016
Cervical and oropharyngeal cancer trends in Oregon, 2000-2016

+ 50% since 2000
Up-to-date HPV vaccination by year

Incremental Progress

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2019 Oregon HPV Completion Rates, Ages 13-17

HP 2020 Goal = 80%
Urban vs. Rural Disparities
So what’s going on here?

Provider Champions
What is being done?

- HB 2220 – Dentists can vaccinate (1st state)
- 2020 CCO incentive measure for adolescent vaccination including 2 HPV by 13 years of age (maybe 1st state)
- Public Health Modernization funding of $10 million
  - Focus on communicable disease infrastructure
  - Regional public health modernization projects
  - Several counties chose HPV vaccination
- Annual HPV Summit
# 2020 CCO Incentive Measures

1. Assessments within 60 days for children in DHS custody
2. Childhood immunization status
3. Cigarette smoking prevalence
4. Depression screening and follow-up plan
5. Diabetes: HbA1c Poor Control
6. Disparity measure: ED utilization among members with mental illness
7. Drug and alcohol screening (EHR–based SBIRT)
8. Oral evaluation for adults with diabetes
9. Timeliness of postpartum care
10. Well-child visits for 3-6-year-olds (kindergarten readiness) *NEW*
11. Preventive dental visits, ages 1-5 (kindergarten readiness) and 6-14 *NEW*
12. Immunizations for adolescents, combo 2 *NEW*
13. Initiation and engagement in drug and alcohol treatment *NEW*
What is an incentive measure and how do they work?

- Set of measure tied to critical health outcomes
- 5% of CCO capitation rate is withheld (a per member per month payment, average is $449.69, the largest part of a CCO’s budget)
- To access this funding CCOs must meet 1-2 key measures plus
- 75% of the remaining measures improvement targets
- CCOs must distribute some portion of incentive funds to providers and partners
Other Miscellaneous Updates

- Hepatitis A outbreak prevention work
  - Outbreaks in neighboring states of CA and WA among individuals experiencing homelessness
  - Work to encourage emergency department vaccination
  - Vaccine available at no cost to organizations serving at risk individuals

- SB 499 – Dept of Corrections must offer flu vaccine
  - Provides key preventive care to 14,000 incarcerated persons
  - About 30% of inmates vaccinated in ’18-’19 season
  - 1 inmate death due to flu 2018 season
We have both reasons to be excited, and reasons to be concerned about vaccination in Oregon

- Loss of vaccine confidence and measles increases
- Opportunity to dramatically improve HPV vaccination
- Significant progress is happening around Hepatitis A and Flu prevention in at risk communities
Questions?