STATEWIDE E-LEARNING SURVEY RESULTS
Survey Background

• Group Health Foundation funded WithinReach to assess immunization educational needs of rural health partners and design accredited e-courses based on these needs.
• We developed a comprehensive survey to inform the direction and development of our e-courses.
Survey administered throughout the month of May

- Total respondents: 199
- “Complete”* respondents: 171
- Healthcare providers excluding school personnel: 95
- School nurses and other school personnel: 76

*Complete = filled out at least one response past the demographic questions; does not mean they answered all questions
Healthcare providers excluding school personnel
Urban 1 response
Suburban 2 responses
Rural 3 responses
Other 4 responses

Map of Washington State with counties shaded in various colors to indicate response counts.
Demographics of Patients Served

**Age**
- 0-18 yrs
- 19-64 yrs
- 65+ yrs

**Immigration Status**
- US Citizen
- Immigrant
- Refugee
- Undocumented
- Unknown

WithinReach
Demographics of Patients Served (cont.)

### Language

- English: 90
- Spanish: 80
- Russian: 70
- Somali: 60
- Vietnamese: 50
- Ukrainian: 40
- Chinese: 30
- Other: 20
- Korean: 10
- Tagalog: 0

### Race/Ethnicity

- White: 90
- Hispanic/Latinx: 80
- Black/African American: 70
- Asian: 60
- AI/AN: 50
- Native Hawaiian/PI: 40
- Other: 30
<table>
<thead>
<tr>
<th>Activity</th>
<th>Urban</th>
<th>Suburban</th>
<th>Rural</th>
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</thead>
<tbody>
<tr>
<td>Make immunization recommendations</td>
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<tr>
<td>Administer Immunizations</td>
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<td>Send immunization reminders to patients</td>
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<td>Social media outreach</td>
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<td>Immunization clinics on evenings/weekends</td>
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<td>Partner with schools</td>
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<tr>
<td>Immunization screenings at every visit</td>
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<tr>
<td>Travel immunizations</td>
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</table>
Organizational Barriers/Challenges

- Immunization Reimbursements
- Vaccine Hesitancy
- Incomplete/Missing Immunization Records
- Difficulty Understanding Immz. Recommendations
- Difficulty with International Records
- Immunizing at sick visits/missed opportunities
- Vaccine supply, storage, and handling

Urban
Suburban
Rural
Patient Barriers/Challenges

Cultural and/or religious beliefs
Poor understanding of vaccine value
Language/translation difficulties
Insurance logistics
Transportation to clinic visits
Availability/scheduling of Immz. appts
Lack of affordable adult vaccines
Difficulty discerning true/false vax. Information

Urban
Suburban
Rural
<table>
<thead>
<tr>
<th>Topic</th>
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<th>Rural</th>
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<tbody>
<tr>
<td>Cultural barriers for disparate populations</td>
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<tr>
<td>Successful strategies for patient recall/reminders</td>
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<td>Taking advantage of missed opportunities</td>
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<td>Storage &amp; handling of vaccines</td>
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<tr>
<td>Making a strong recommendation for vaccines</td>
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<tr>
<td>Understanding immz schedules &amp; recommendations</td>
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<tr>
<td>Preventing vaccine administration errors</td>
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<tr>
<td>School &amp; childcare immunization topics in WA</td>
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<tr>
<td>Interpreting international immz. Records and follow-up</td>
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<tr>
<td>Vaccine promotion, education, and immunization culture</td>
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<tr>
<td>Promote immunizations in the workplace</td>
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School nurses and other school personnel
Demographics of Patients Served

Age

- 0-18 yrs: 70
- 19-64 yrs: 10

Immigration Status

- US Citizen: 70
- Immigrant: 40
- Refugee: 20
- Undocumented: 10
- Unknown: 10

WithinReach
Current Immunization Activities

- Make immunization recommendations
- Administer Immunizations
- Send immunization reminders to patients
- Social media outreach
- Immunization clinics on evenings/weekends
- Immunization screenings at every visit
- Travel immunizations

Urban
Suburban
Rural
Organizational Barriers/Challenges

- Immunization Reimbursements
- Vaccine Hesitancy
- Incomplete/Missing Immunization Records
- Difficulty Understanding Immunization Recommendations
- Difficulty with International Records
- Immunizing at sick visits/missed opportunities

Bar graph showing the percentage of urban, suburban, and rural areas facing various organizational barriers/challenges. The graph highlights the areas with the highest percentages for each category.
### Patient Barriers/Challenges

<table>
<thead>
<tr>
<th>Barriers/Challenges</th>
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<tbody>
<tr>
<td>Cultural and/or religious beliefs</td>
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Proposed E-Course Topics

- Cultural barriers for disparate populations
- Successful strategies for patient recall/reminders
- Taking advantage of missed opportunities
- Storage & handling of vaccines
- Making a strong recommendation for vaccines
- Understanding immz schedules & recommendations
- Preventing vaccine administration errors
- School & childcare immunization topics in WA
- Interpreting international immz. Records and follow-up
- Vaccine promotion, education, and immunization culture
- Promote immunizations in the workplace

Legend:
- Urban
- Suburban
- Rural
Next Step:

Develop More E-Courses!

- Vaccine Hesitancy
- Strategies and best practices for improving immunization rates
A special thank you to Trang Kuss and Pat DeHart at DOH for their expertise in survey development, data collection, and formulation of next steps.

If you have questions about this material or would like a specific sub-analysis to be conducted, contact Izzy Brandstetter, MPH:

izzyb@withinreachwa.org