IDAHO UPDATE ON IMMUNIZATION RATES FROM THE 2013 NIS WITH TREND DATA
2013 National Immunization Survey (NIS)
Published August 28, 2014

Our nation’s report card for children 19-35 months of age
WHERE IDAHO IS DOING WELL

1+ MMR* Vaccination Coverage, 2006–2013†

* Refers to 1 or more doses of a measles, mumps, and rubella vaccine (MMR)
† From the National Immunization Survey (NIS), children aged 19 through 35 months
n = number of children sampled for each survey year in Idaho
Vertical bars above and below each point estimate indicate the 95% confidence interval
WHERE IDAHO IS DOING WELL

3+ Polio* Vaccination Coverage, 2006–2013†

* Refers to 3 or more doses of any polio virus vaccine
† From the National Immunization Survey (NIS), children aged 19 through 35 months
n = number of children sampled for each survey year in Idaho
Vertical bars above and below each point estimate indicate the 95% confidence interval
WHERE IDAHO IS DOING WELL

1+ VAR\(^*\) Vaccination Coverage, 2006–2013\(^1\)

\(^*\) Refers to 1 or more doses of varicella vaccine at or after child’s first birthday, unadjusted for history of varicella illness

\(^1\) From the National Immunization Survey (NIS), children aged 19 through 35 months

n = number of children sampled for each survey year in Idaho

Vertical bars above and below each point estimate indicate the 95% confidence interval
WHERE IDAHO IS DOING WELL
BUT…. STILL STRUGGLING WITH HEP B BIRTH DOSE WITHIN 3 DAYS OF BIRTH
IMPROVING BUT NOT NEAR 90%

4+ PCV* Vaccination Coverage, 2006–2012†

* Refers to 4 or more doses of PCV
† From National Immunization Survey (NIS)
  † †number of adolescent sampled for each survey year in Idaho
  † † Estimate presented as point estimate (%) ± 95% confidence interval (CI)
IMPROVING BUT NOT NEAR 90%
IMPROVING BUT NOT NEAR 90%

2+ Hep A⁺ Vaccination Coverage, 2008–2013

⁺ Refers to 2 or more doses of hepatitis A vaccine
⁺⁺ From the National Immunization Survey (NIS), children aged 19 through 35 months
⁺⁺⁺ This series was assessed beginning in 2008
n = number of children sampled for each survey year in Idaho
GAINS ARE STALLING: HIB FULL SERIES

Hib-FS Vaccination Coverage, 2010–2013†

† Refers to full series Haemophilus influenzae type b (Hib) vaccine ≥3 or ≥4 doses depending on brand received
† From the National Immunization Survey (NIS), children aged 19 through 35 months
‡ This series was sampled beginning in 2010
n = number of children sampled for each survey year in Idaho
Vertical bars above and below each point estimate indicate the 95% confidence interval
NOT QUITE THERE: DTAP FULL SERIES

4+ DTaP* Vaccination Coverage, 2006–2013†

* Refers to 4 or more doses of diphtheria and tetanus toxoids and pertussis vaccine, or diphtheria and tetanus toxoids (DTP/DT/DTP)
† From the National Immunization Survey (NIS), children aged 19 through 35 months
n = number of children sampled for each survey year in Idaho
Vertical bars above and below each point estimate indicate the 95% confidence interval
DTAP – IT’S THE FOURTH DOSE

*Refers to 4 or more doses of diphtheria and tetanus toxoids and pertussis vaccine, or diphtheria and tetanus toxoids (DTP/DT/DTaP), 3 or more doses of polio virus vaccine (MMR), plus full series of Haemophilus influenzae type b (Hib), 3 or more doses of hepatitis B vaccine, 1 or more doses of varicella vaccine, and 4 or more doses of pneumococcal vaccine.

‡ Full series Haemophilus influenzae type b (Hib) vaccine: ≥3 or ≥4 doses, depending on brand received.
BOTTOM LINE: INFANT IMMUNIZATIONS

• Idaho is improving in many measures, and has risen in the national rankings (now 24th according to the “gold standard” series compared to the 50 states) but much work remains

• Particular challenges include:
  • Birth dose of hepatitis B
  • 4th dose of DTaP
  • Hib series
  • Hepatitis A series
  • Rotavirus
# SCHOOL IMMUNIZATIONS

<table>
<thead>
<tr>
<th>Immunization Requirement by Age</th>
<th>Doses of Vaccines Required</th>
</tr>
</thead>
</table>
| **Children born on or before September 1, 1999** must have a minimum of: | (4) Diphtheria, Tetanus, Pertussis (DTaP)  
(1) Measles, Mumps, and Rubella (MMR)  
(3) Polio  
(3) Hepatitis B |
| **Children born after September 1, 1999 through September 1, 2005** must have a minimum of: | (5) Diphtheria, Tetanus, Pertussis (DTaP)  
(2) Measles, Mumps, and Rubella (MMR)  
(3) Polio  
(3) Hepatitis B |
| **Children born after September 1, 2005** must have a minimum of: | (5) Diphtheria, Tetanus, Pertussis (DTaP)  
(2) Measles, Mumps, and Rubella (MMR)  
(4) Polio  
(3) Hepatitis B  
(2) Varicella (Chickenpox)  
(2) Hepatitis A |

<table>
<thead>
<tr>
<th>Immunization Requirement by Grade</th>
<th>Doses of Vaccines Required</th>
</tr>
</thead>
</table>
| **Children admitted to 7th grade** must meet the following minimum immunization requirements in addition to school entry requirements: | (1) Tetanus, Diphtheria, Pertussis (Tdap)  
(1) Meningococcal |
2013-14 SCHOOL IMMUNIZATION REPORT

Adequately Immunized: 83.8%
Conditionally Admitted: 1.5%
Exempt: 6.3%
Incomplete: 7.9%
No Record: 0.5%

Compliant

- Adequately Immunized: All required immunizations have been received
- Conditionally Admitted: Up-to-date on required vaccines and on schedule to receive subsequent doses
- Exempt: Valid state exemption form on file

Noncompliant

- Incomplete: Overdue for at least one required dose
- No Record: No valid immunization record
NOTE: “Exempt” means having an exemption form on file indicating the child has not received one or more doses of a required vaccine.
TYPE OF EXEMPTIONS IN IDAHO K, 1ST AND 7TH GRADES, 2013-2014

<table>
<thead>
<tr>
<th>Percentages of Exemptions Statewide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Exemptions</td>
</tr>
<tr>
<td>Medical</td>
</tr>
<tr>
<td>Religious</td>
</tr>
<tr>
<td>Philosophical</td>
</tr>
</tbody>
</table>

- Medical Exemptions: 5%
- Religious Exemptions: 9%
- Philosophical Exemptions: 86%
TEENS

11-12 YEARS

- Tetanus, Diphtheria, Pertussis (Tdap) Vaccine
- Human Papillomavirus (HPV) Vaccine (3 Doses)²
- Meningococcal Conjugate Vaccine (MCV4) Dose 1³
- Influenza (Yearly)⁴
TEENS
PERTUSSIS, TETANUS, DIPHTHERIA (TDAP) AND MENINGOCOCOCAL DISEASE

≥1 Tdap Vaccine Coverage 2008–2013

≥1 MenACWY Vaccine Coverage 2008–2013

*Refers to ≥1 dose of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine ≥15 years or age ≥12 months
*Refers to ≥1 dose of meningococcal conjugate vaccine (MenACWY) for persons aged ≥11 through 17 years
*Refers to a statistically significant change compared to the previous year, p<0.05
*Numbers of adolescents sampled for each survey year in Idaho

Note: Bars above and below each point estimate indicate the ±2% confidence interval
TEENS– FEMALE
HUMAN PAPILLOMAVIRUS

≥1 HPV* Female Vaccination Coverage 2008–2013

≥3 HPV* Female Vaccination Coverage 2008–2013

* Refers to 1 dose of human papillomavirus vaccine, either quadrivalent or bivalent, females only
* From the National Immunization Survey (NIS) with adolescents aged 13 through 17 years
n = number of adolescents sampled for each survey year in Idaho
and/or Utah
Vertical bars above and below each point estimate indicate the 95% confidence interval
TEENS– FEMALE
HUMAN PAPILLOMAVIRUS

3-dose HPV* Vaccination Series Completion among Females 2010–2013

* Refers to percent of females who received 3 doses among those who had at least 1 dose human papillomavirus vaccine, either quadrivalent or bivalent, with at least 24 weeks between the first dose and the interview date
* From the National Immunization Survey (NIS)-Teen, adolescents aged 13 through 17 years
* This series sampling began in 2010
UNK=Unknown
n = number of adolescents sampled for each survey year in Idaho
(40)
≥1 HPV* Male Vaccination Coverage 2011–2013

* Refers to ≥1 dose of human papillomavirus vaccine, either quadrivalent or bivalent, males only
† From the National Immunization Survey (NIS)-Teen, adolescents aged 13 through 17 years
‡ This series began national sampling in 2011, data collected for Idaho was insufficient to determine point estimate prior to 2012
n = number of adolescents sampled for each survey year in Idaho
UNK = Unknown
Vertical bars above and below each point estimate indicate the 95% confidence interval
ALL THE DATA

• Visit www.ImmunizeIdaho.com and click on:

Mitch Scoggins, MPH
(208)334-5942
scogginm@dhw.idaho.gov