



IDAHO UPDATE ON IMMUNIZATION RATES FROM THE 2013 NIS WITH TREND DATA



MITCH SCOGGINS
IDAHO IMMUNIZATION PROGRAM



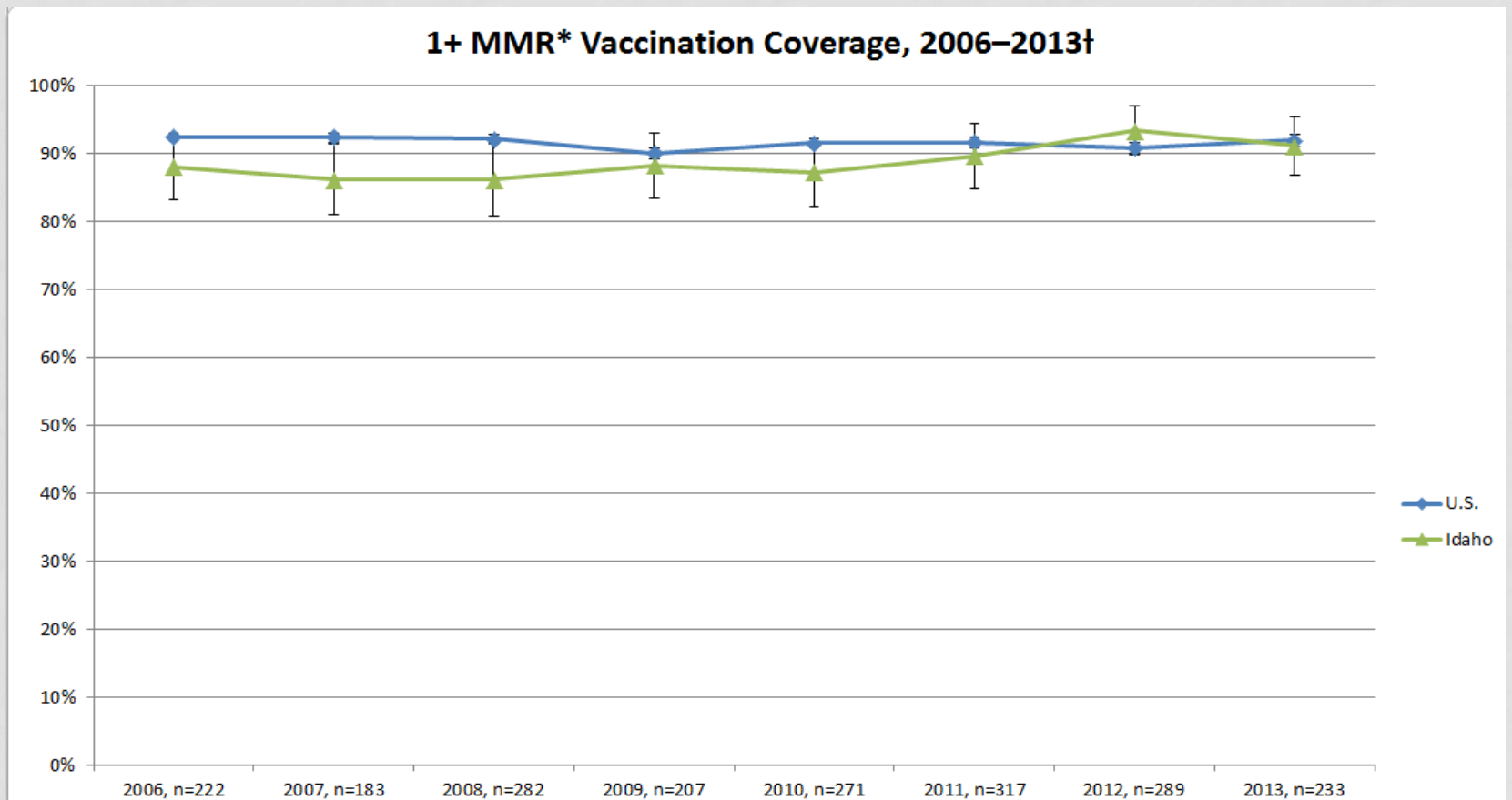


2013 National Immunization Survey (NIS)

Published August 28, 2014

*Our nation's report card for
children 19-35 months of age*

WHERE IDAHO IS DOING WELL



* Refers to 1 or more doses of a measles, mumps, and rubella vaccine (MMR)

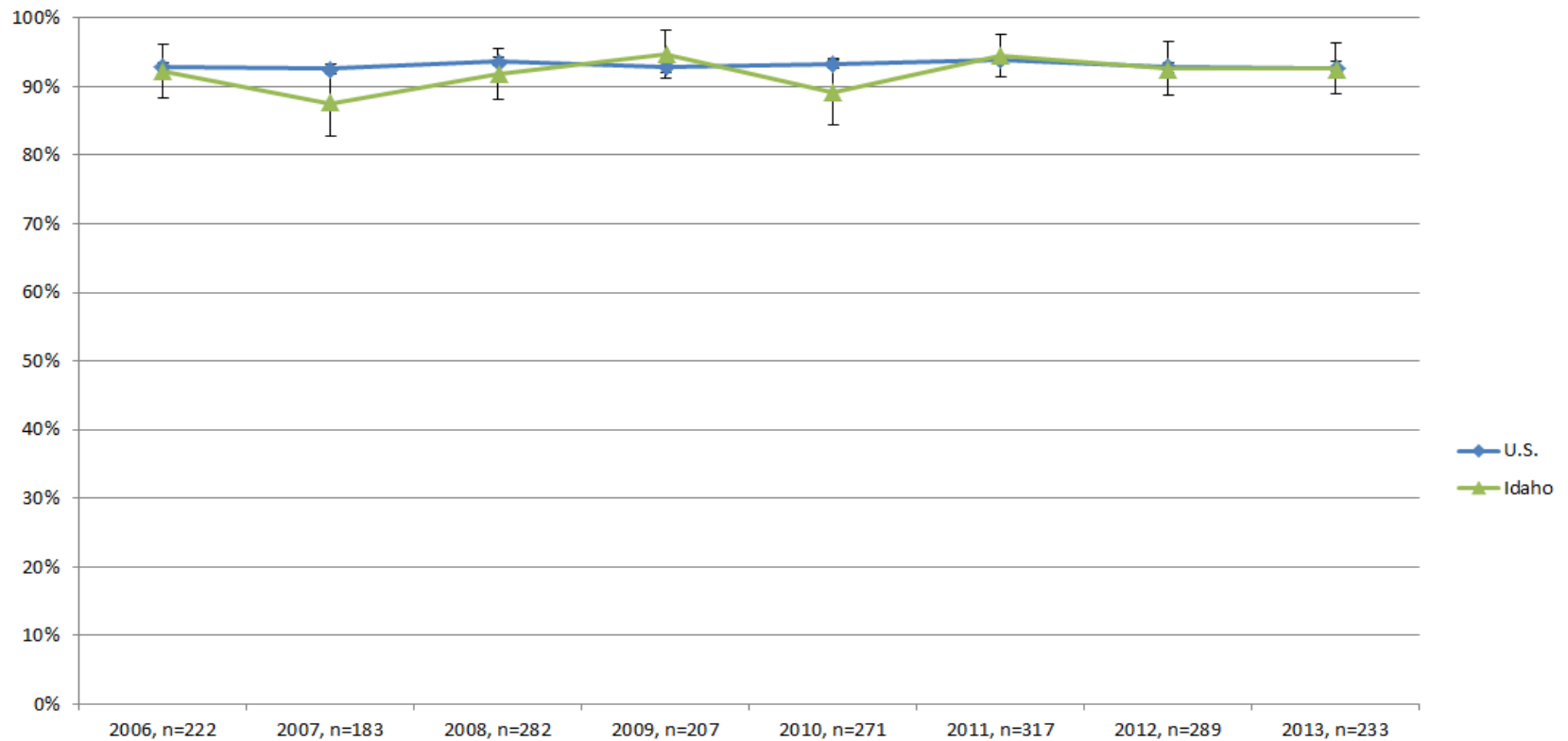
† From the National Immunization Survey (NIS), children aged 19 through 35 months

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†



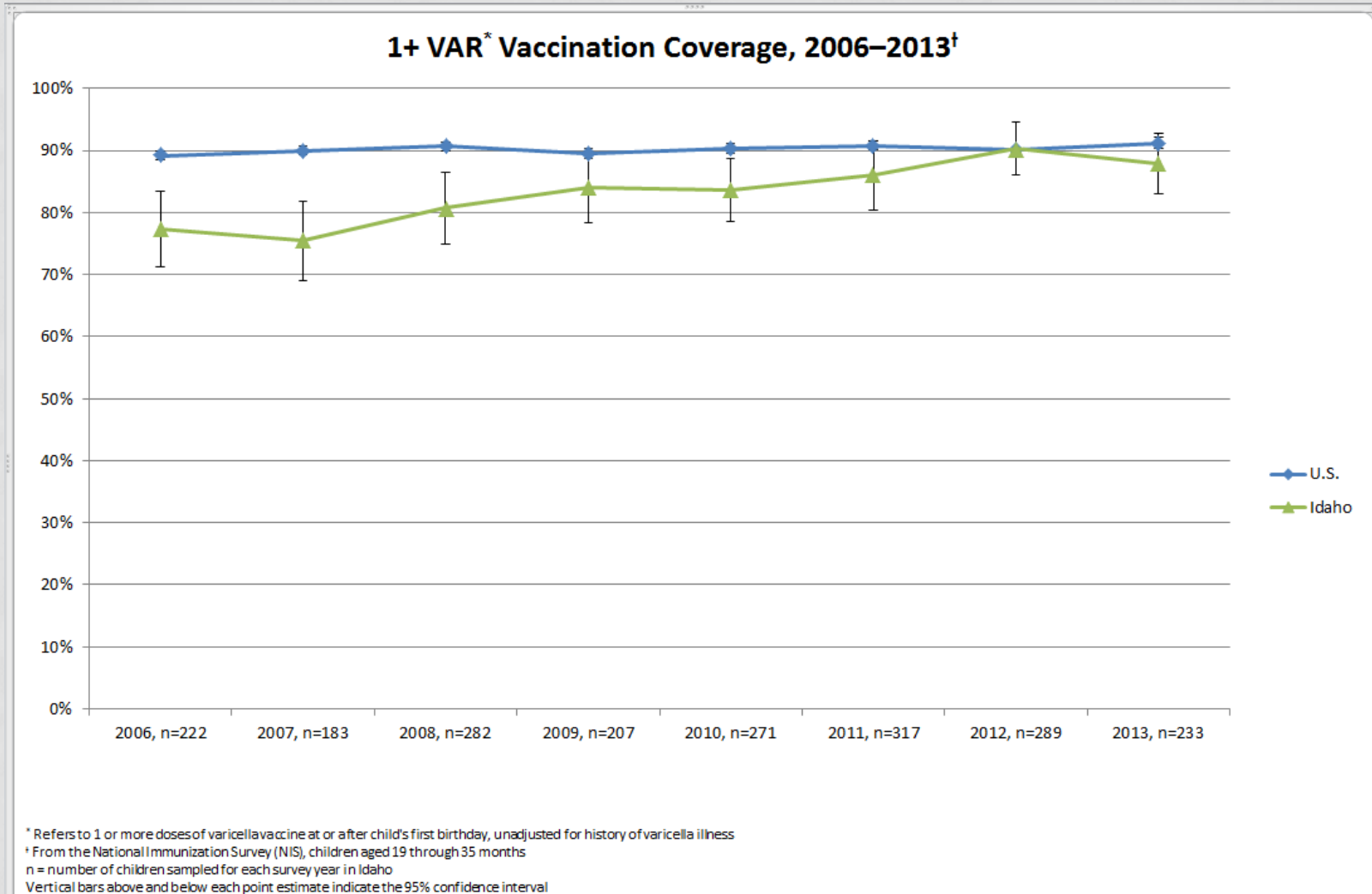
* Refers to 3 or more doses of any polio virus vaccine

† From the National Immunization Survey (NIS), children aged 19 through 35 months

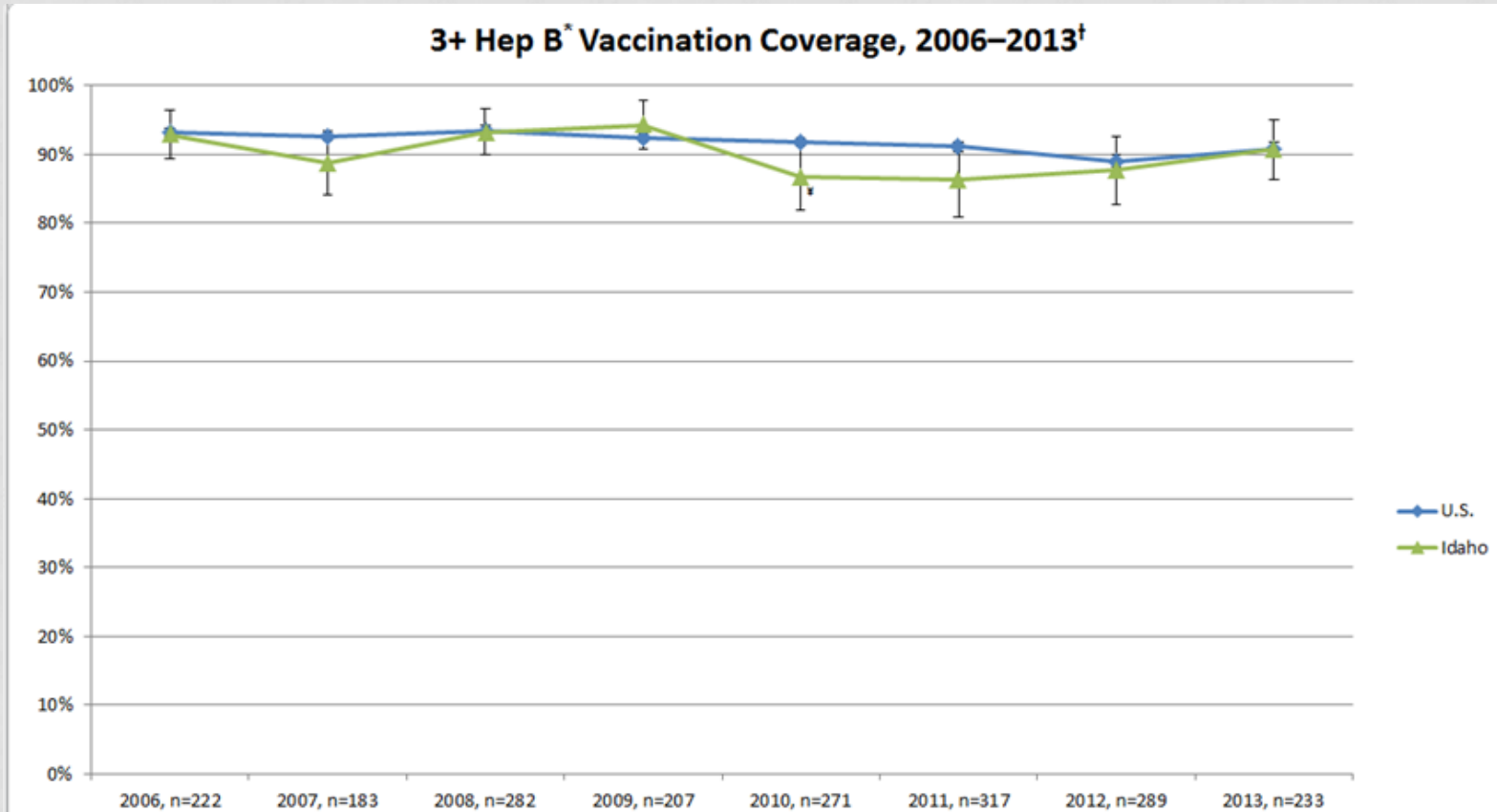
n = number of children sampled for each survey year in Idaho

Vertical bars above and below each point estimate indicate the 95% confidence interval

WHERE IDAHO IS DOING WELL



WHERE IDAHO IS DOING WELL



* Refers to 3 or more doses of hepatitis B vaccine

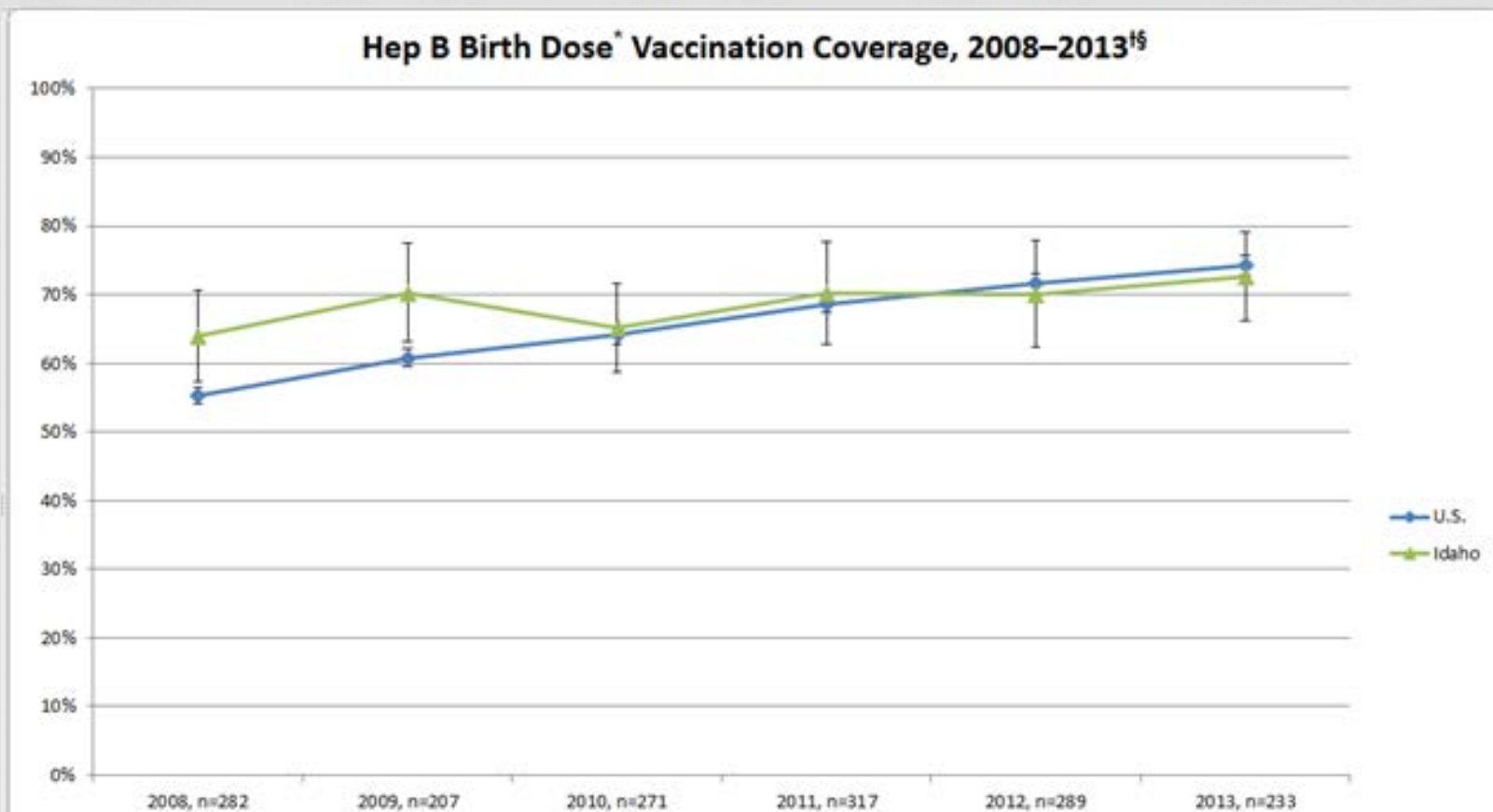
† From the National Immunization Survey (NIS), children aged 19 through 35 months

‡ Refers to a statistically significant change compared to the previous year, $p=0.05$

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

Vertical bars above and below each point estimate indicate the 95% confidence interval

BUT... STILL STRUGGLING WITH HEP B BIRTH DOSE WITHIN 3 DAYS OF BIRTH



* Refers to 1 or more doses of hepatitis B vaccine administered between birth and age 3 days

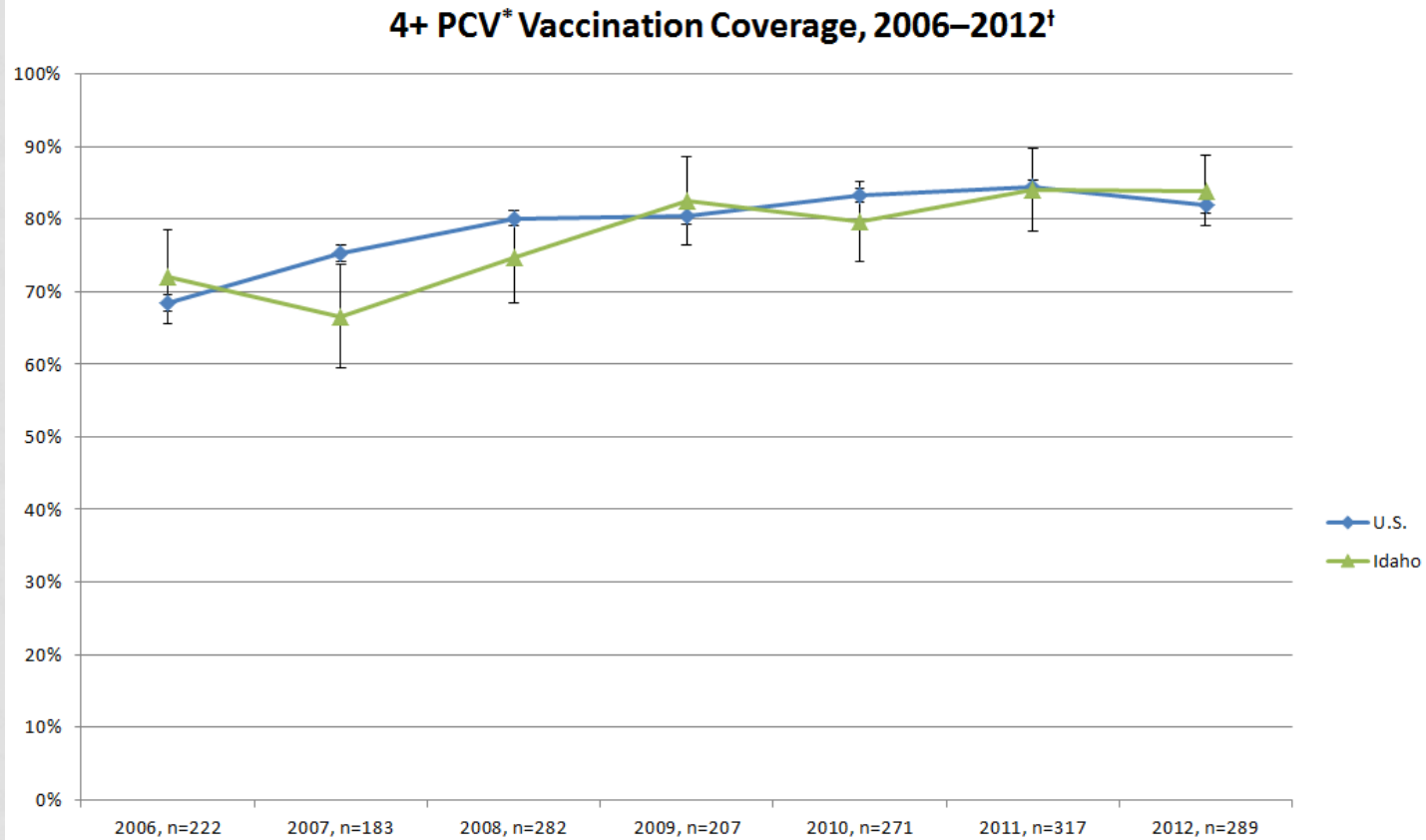
[†] From the National Immunization Survey (NIS), children aged 19 through 35 months

[§] This series was sampled beginning in 2008

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

Vertical bars above and below each point estimate indicate the 95% confidence interval

IMPROVING BUT NOT NEAR 90%



* Refers to 4 or more doses of PCV

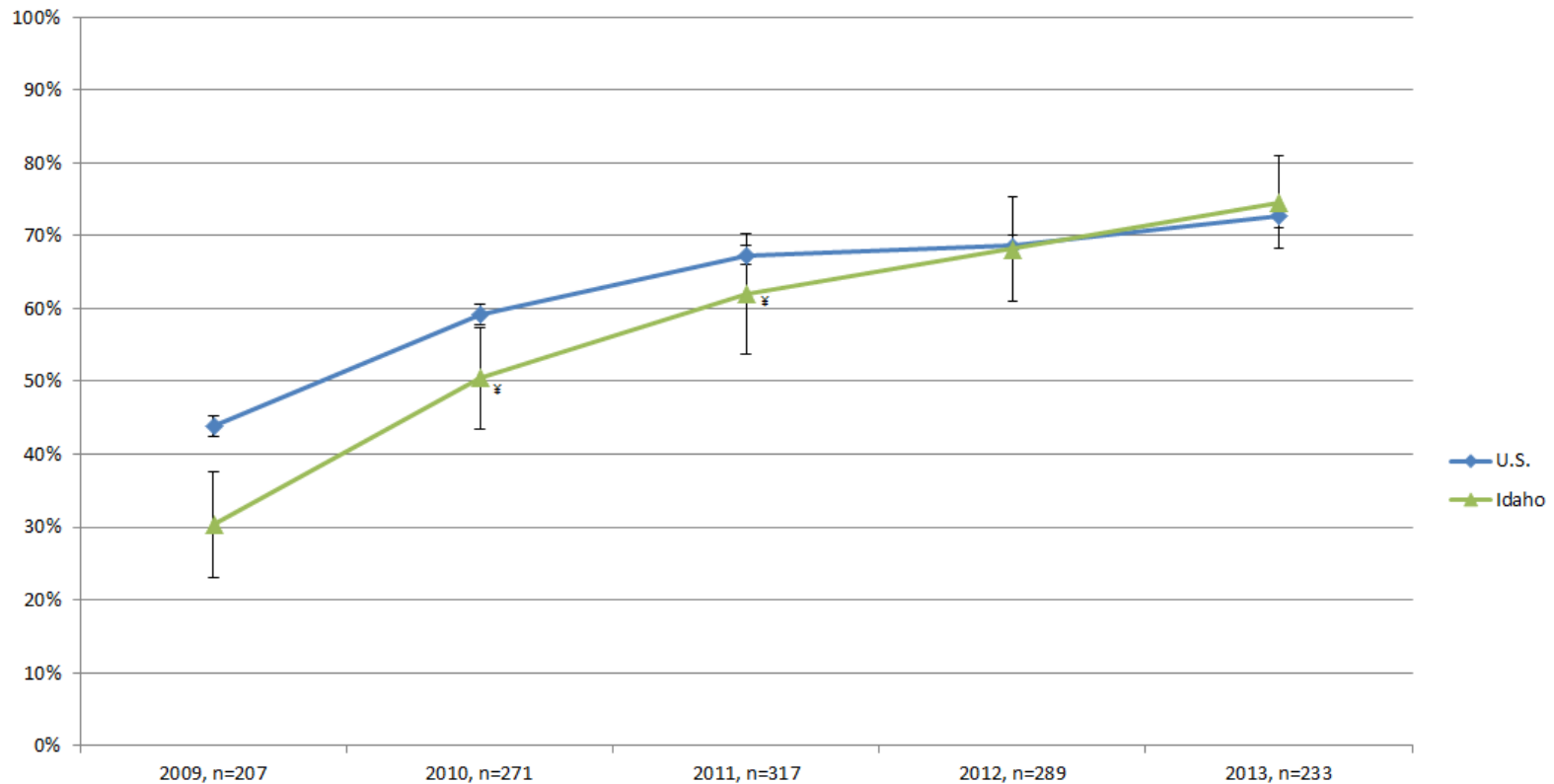
† From National Immunization Survey (NIS)

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

Estimate presented as point estimate (%) ± 95% confidence interval (CI)

IMPROVING BUT NOT NEAR 90%

Rotavirus* Vaccination Coverage, 2009–2013^{†§}



* Refers to ≥ 2 or ≥ 3 doses of rotavirus vaccine depending on brand received

[†] From the National Immunization Survey (NIS), children aged 19 through 35 months

[§] This series was sampled beginning in 2009

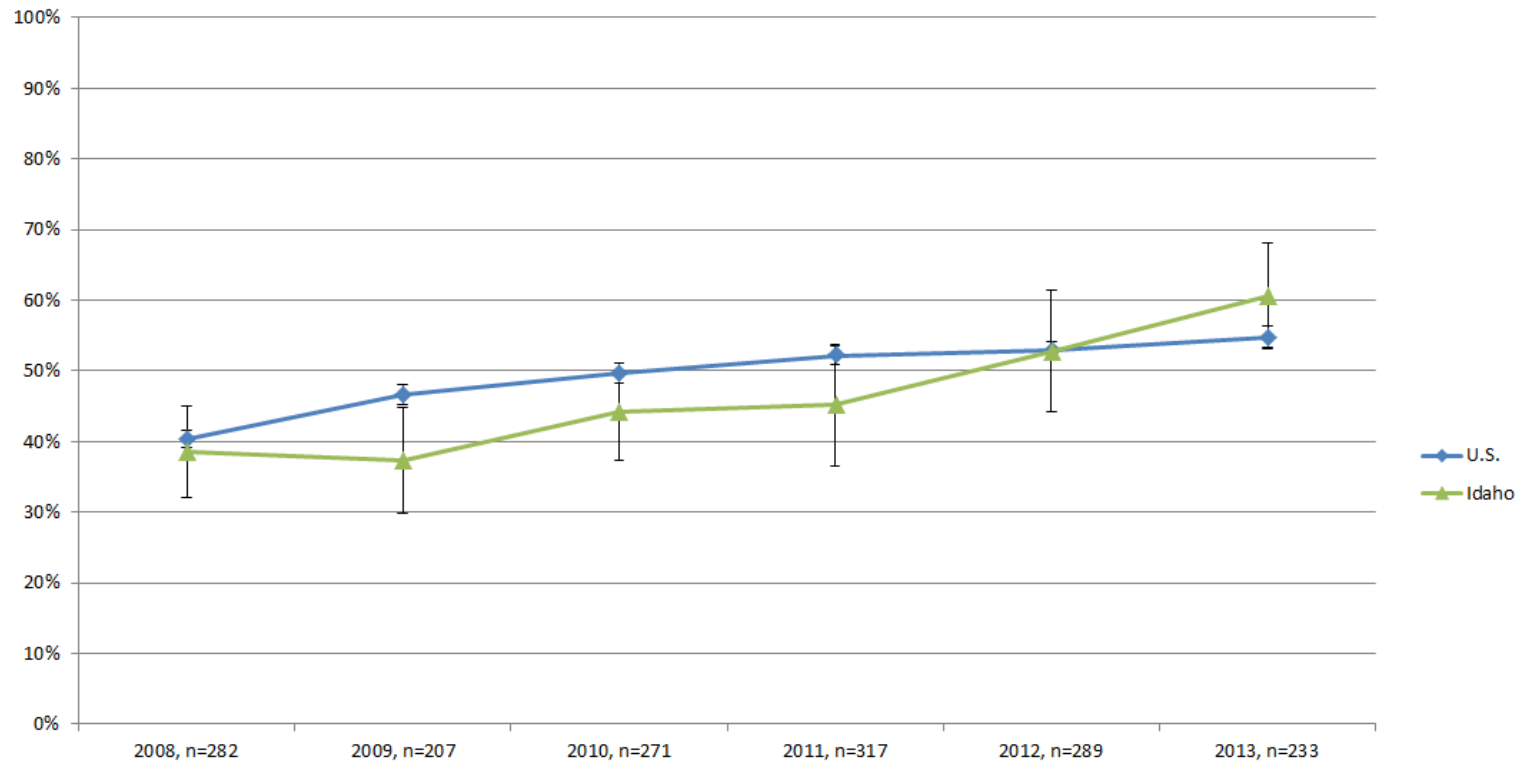
‡ Refers to a statistically significant change compared to the previous year, $p=0.05$

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

Vertical bars above and below each point estimate indicate the 95% confidence interval

IMPROVING BUT NOT NEAR 90%

2+ Hep A* Vaccination Coverage, 2008–2013^{†§}



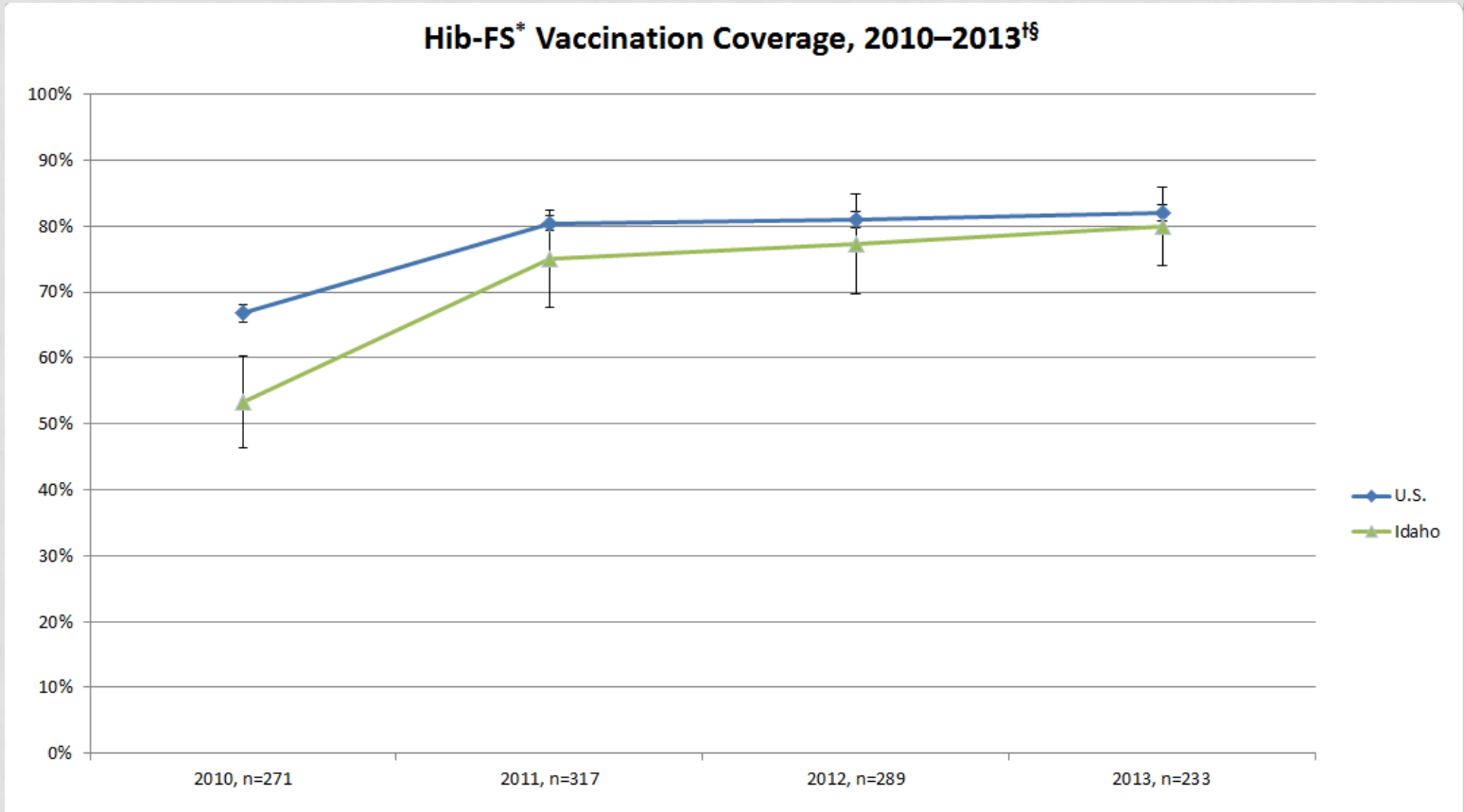
* Refers to 2 or more doses of hepatitis A vaccine

[†] From the National Immunization Survey (NIS), children aged 19 through 35 months

[§] This series was sampled beginning in 2008

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

GAINS ARE STALLING: HIB FULL SERIES



* Refers to full series *Haemophilus influenzae* type b (Hib) vaccine: 23 or 24 doses, depending on brand received

[†] From the National Immunization Survey (NIS), children aged 19 through 35 months

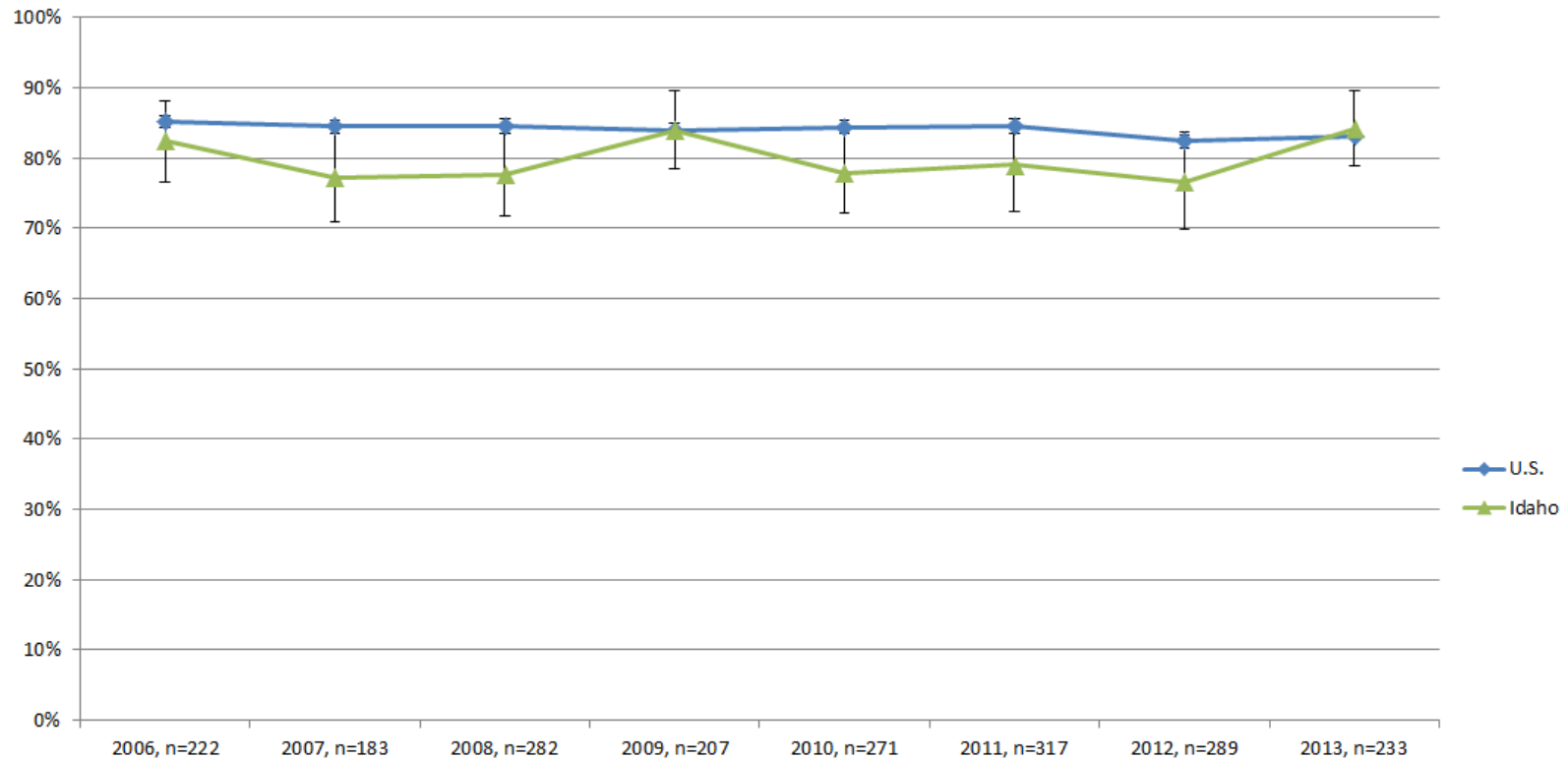
[§] This series was sampled beginning in 2010

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†



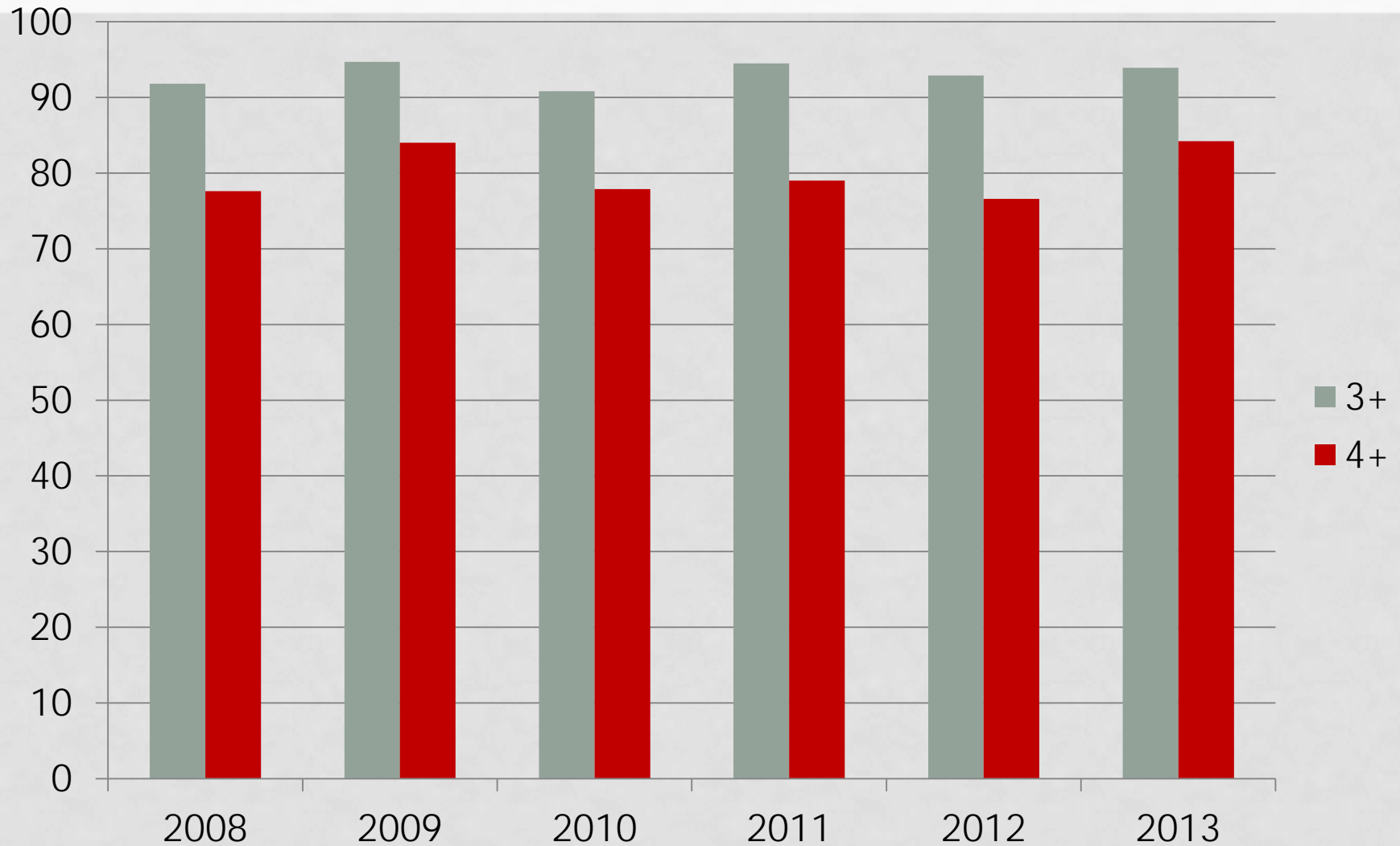
* Refers to 4 or more doses of diphtheria and tetanus toxoids and pertussis vaccine, or diphtheria and tetanus toxoids (DTP/DT/DTaP)

† From the National Immunization Survey (NIS), children aged 19 through 35 months

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

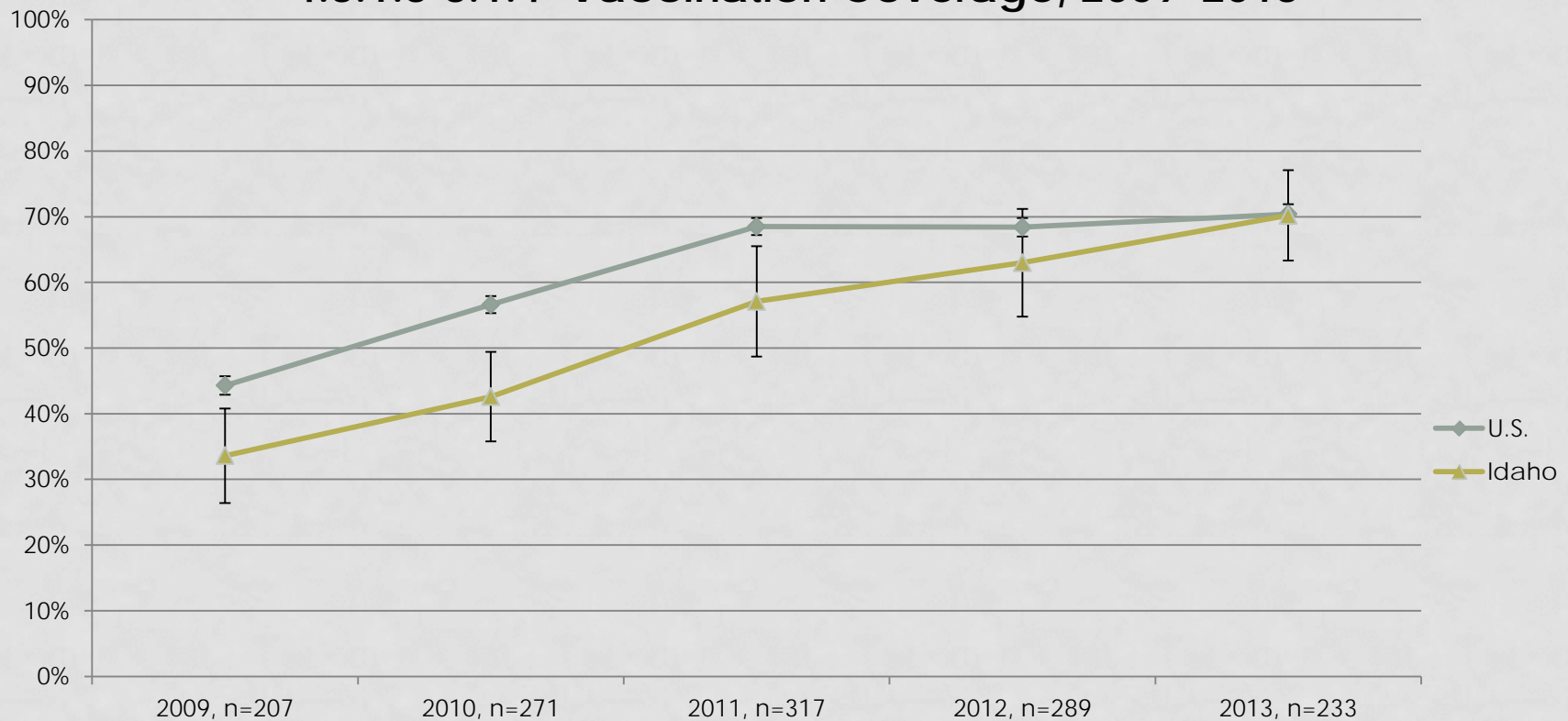
Vertical bars above and below each point estimate indicate the 95% confidence interval

DTAP- IT'S THE FOURTH DOSE



THE “GOLD STANDARD” SERIES

4:3:1:3[‡]3:1:4* Vaccination Coverage, 2009–2013



*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 polysaccharide vaccine (PPV23)
† Full series *Haemophilus influenzae* type b (Hib) vaccine: ≥ 3 or ≥ 4 doses, depending on brand received



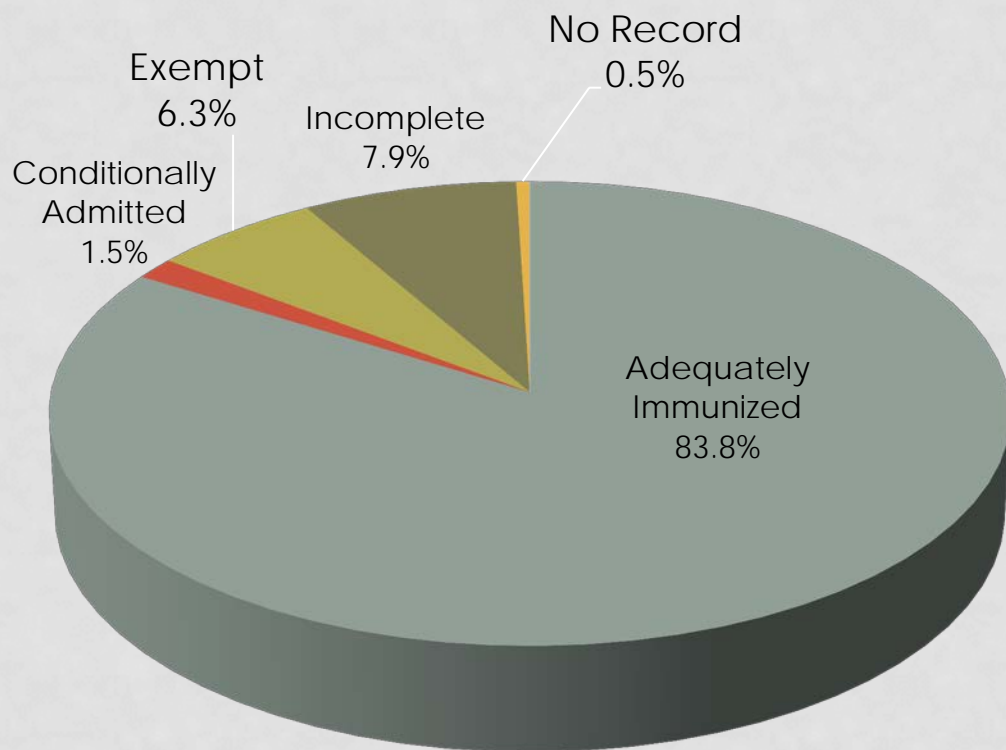
BOTTOM LINE: INFANT IMMUNIZATIONS

- 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

Immunization Requirement by Age	Doses of Vaccines Required
<p>Children born on or before September 1, 1999 must have a minimum of:</p>	<p>(4) Diphtheria, Tetanus, Pertussis (DTaP) (1) Measles, Mumps, and Rubella (MMR) (3) Polio (3) Hepatitis B</p>
<p>Children born after September 1, 1999 through September 1, 2005 must have a minimum of:</p>	<p>(5) Diphtheria, Tetanus, Pertussis (DTaP)² (2) Measles, Mumps, and Rubella (MMR) (3) Polio (3) Hepatitis B</p>
<p>Children born after September 1, 2005¹ must have a minimum of:</p>	<p>(5) Diphtheria, Tetanus, Pertussis (DTaP)² (2) Measles, Mumps, and Rubella (MMR) (4) Polio³ (3) Hepatitis B (2) Varicella (Chickenpox)⁴ (2) Hepatitis A</p>
Immunization Requirement by Grade ⁵	Doses of Vaccines Required
<p>Children admitted to 7th grade must meet the following minimum immunization requirements in addition to school entry requirements:</p>	<p>(1) Tetanus, Diphtheria, Pertussis (Tdap) (1) Meningococcal</p>

2013-14 SCHOOL IMMUNIZATION REPORT



Compliant

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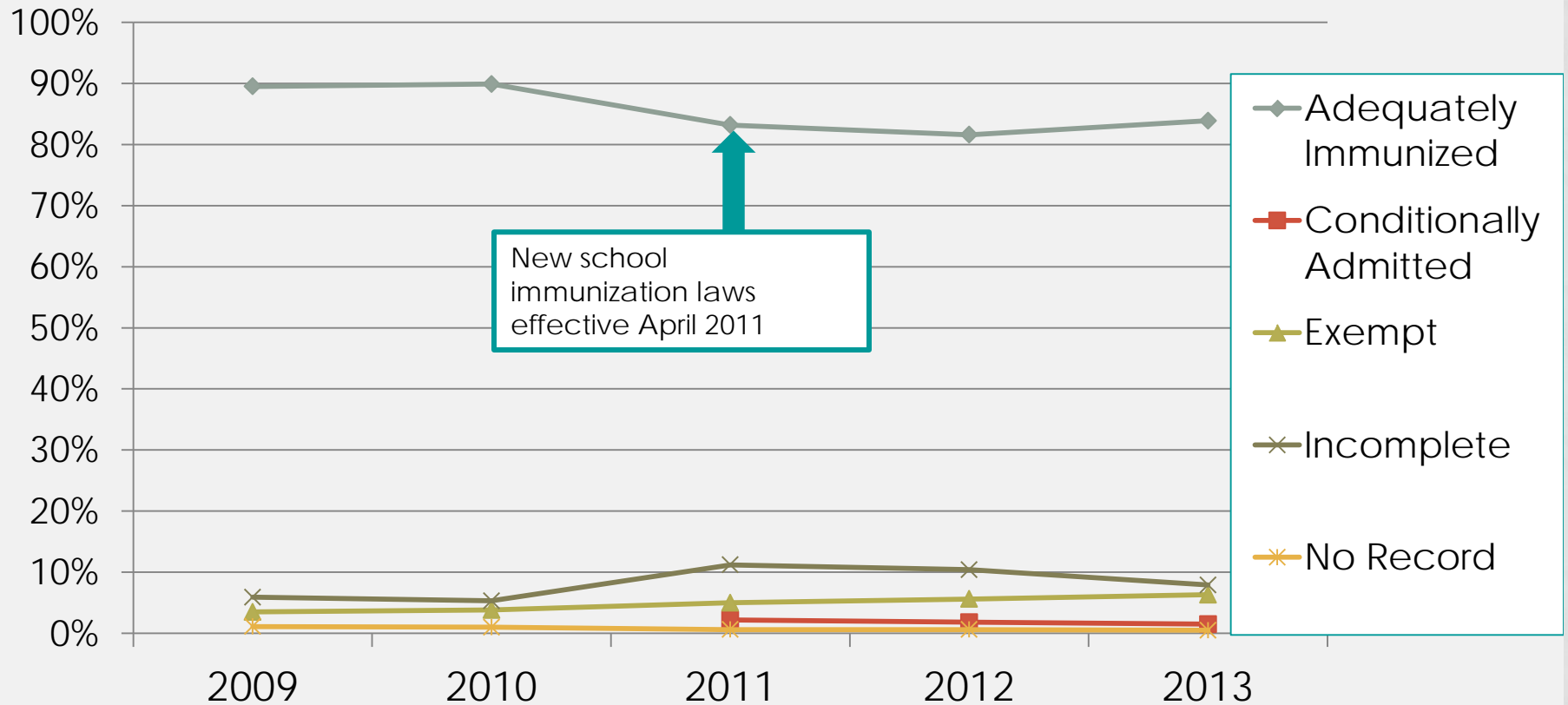
Exempt	Valid state exemption form on file
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Noncompliant

Incomplete	Overdue for at least one required dose
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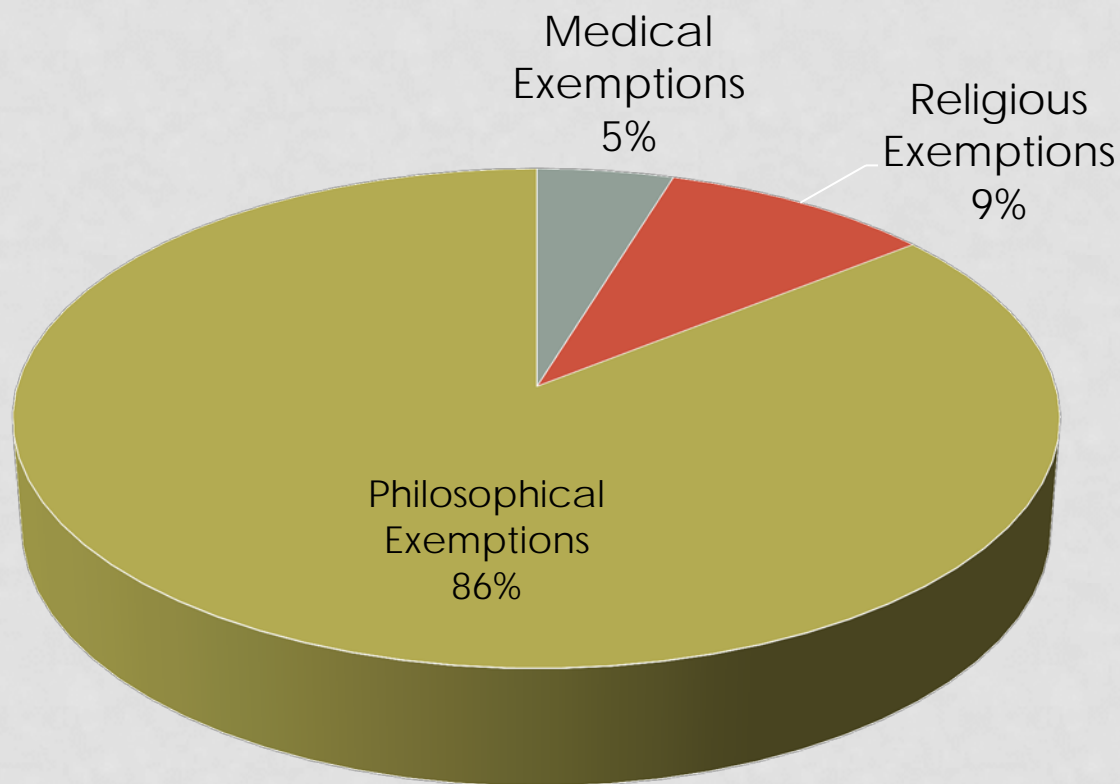
No Record	No valid immunization record
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2009-2013 IMMUNIZATION TRENDS



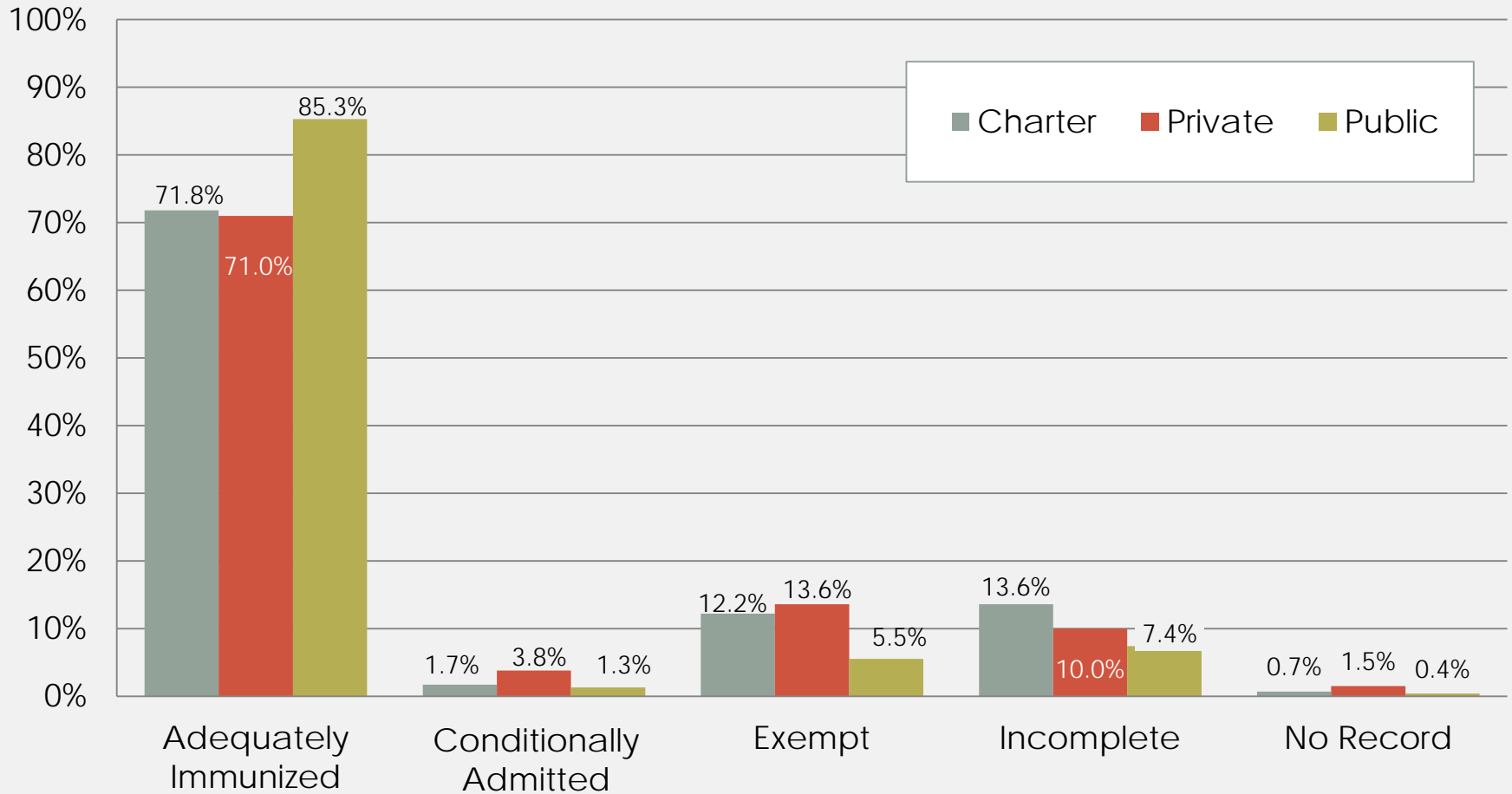
NOTE: "Exempt" means having an exemption form on file indicating the child has not received one or more doses of a required vaccine.

TYPE OF EXEMPTIONS IN IDAHO K, 1ST AND 7TH GRADES, 2013-2014



Percentages of Exemptions Statewide	
Total Exemptions	6.30%
Medical	0.30%
Religious	0.60%
Philosophical	5.40%

IMMUNIZATION STATUS FOR ALL GRADES AND VACCINES BY SCHOOL TYPE, 2013-2014



TEENS



11-12 YEARS

Tetanus, Diphtheria, Pertussis (Tdap) Vaccine

Human Papillomavirus (HPV) Vaccine (3 Doses)²

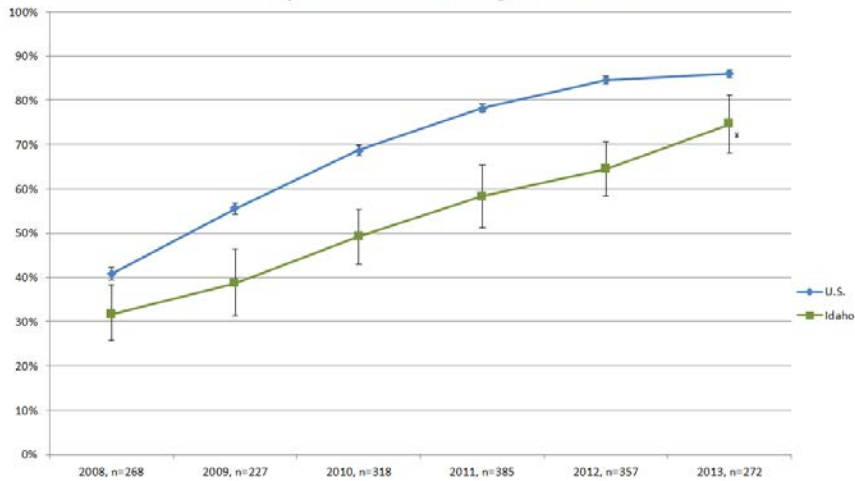
Meningococcal Conjugate Vaccine (MCV4) Dose 1³

Influenza (Yearly)⁴

TEENS

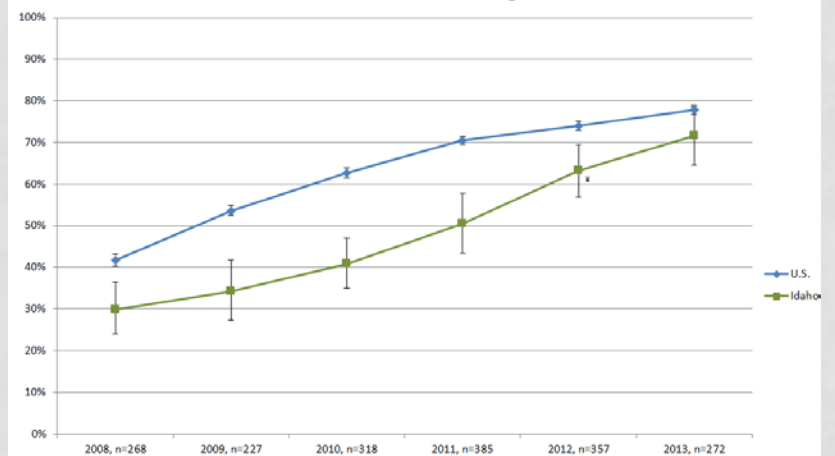
PERTUSSIS, TETANUS, DIPHTHERIA (TDAP) AND MENINGOCOCCAL DISEASE

≥1 Tdap* Vaccination Coverage 2008–2013†



* Refers to ≥1 dose of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of ten years
† From the National Immunization Survey (NIS)-Teen, adolescents aged 13 through 17 years
* Refers to a statistically significant change compared to the previous year, p<0.05
n = number of adolescents sampled for each survey year in Idaho
Vertical bars above and below each point estimate indicate the 95% confidence interval

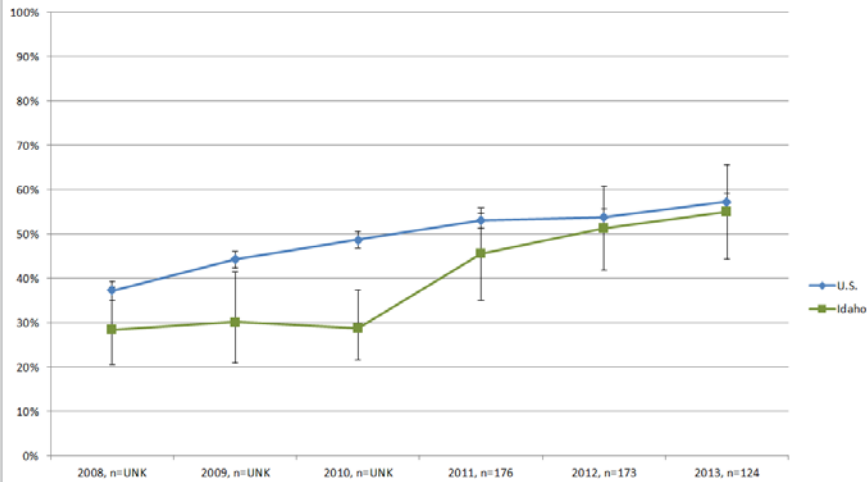
≥1 MenACWY* Vaccination Coverage 2008–2013†



* Refers to ≥1 dose of meningococcal conjugate vaccine or meningococcal vaccine of unknown type
† From the National Immunization Survey (NIS)-Teen, adolescents aged 13 through 17 years
* Refers to a statistically significant change compared to the previous year, p<0.05
n = number of adolescents sampled for each survey year in Idaho
Vertical bars above and below each point estimate indicate the 95% confidence interval

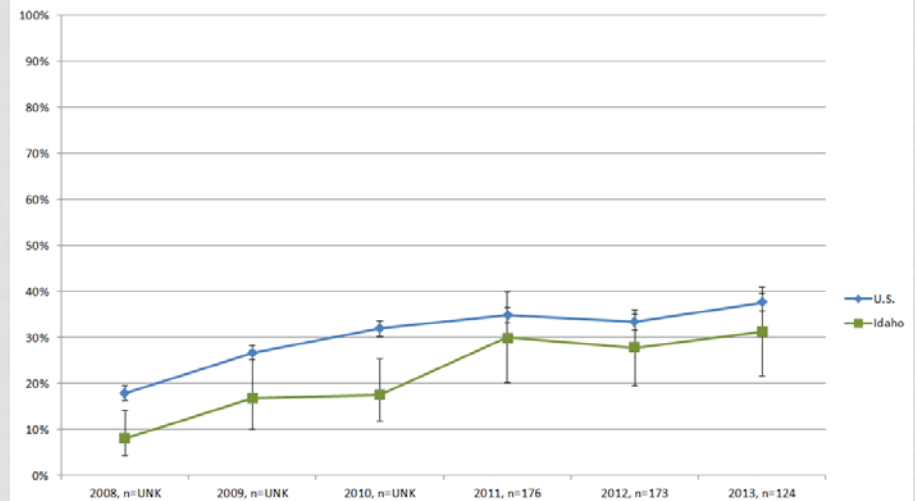
TEENS- FEMALE HUMAN PAPILLOMAVIRUS

≥1 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)-Teen, adolescents aged 13 through 17 years
 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

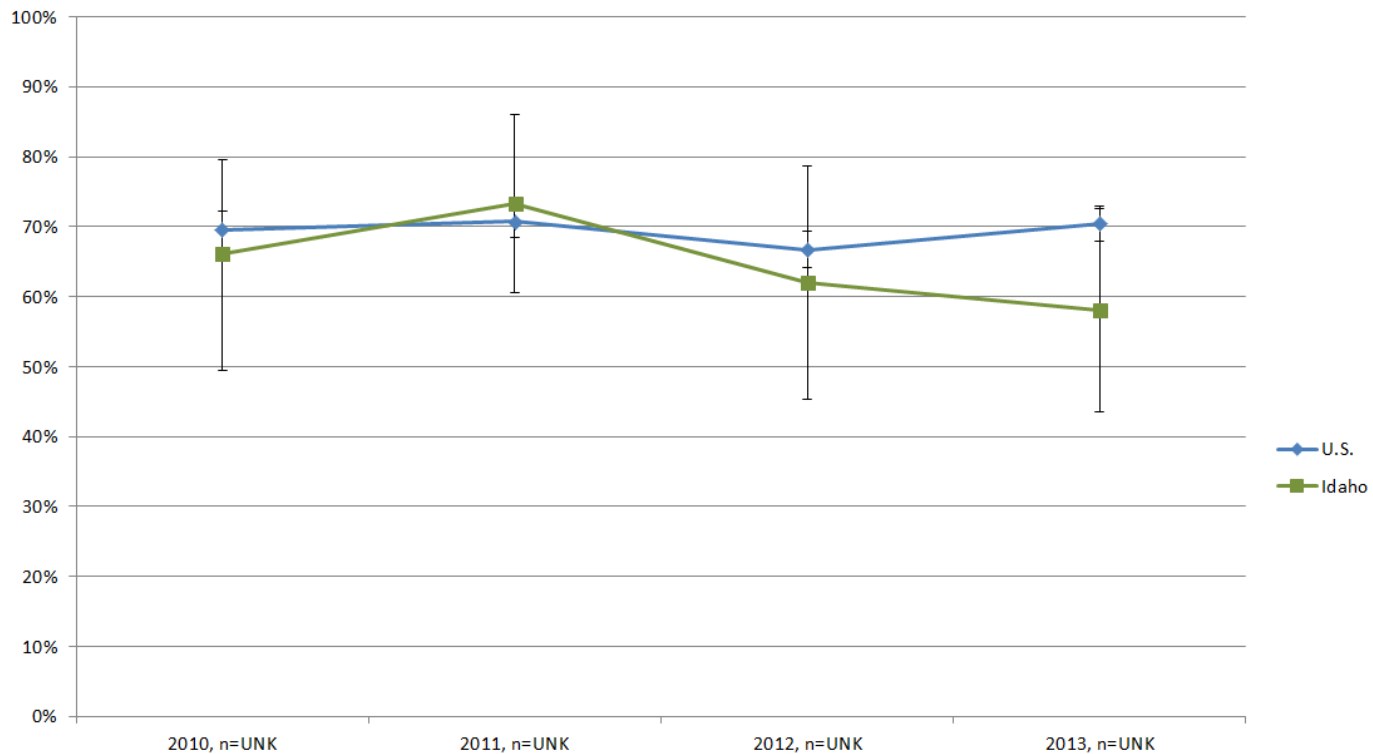
≥3 HPV* Female Vaccination Coverage 2008–2013†



* Refers to 3 doses of human papillomavirus vaccine, either quadrivalent or bivalent, females only
 † From the National Immunization Survey (NIS)-Teen, adolescents aged 13 through 17 years
 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

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

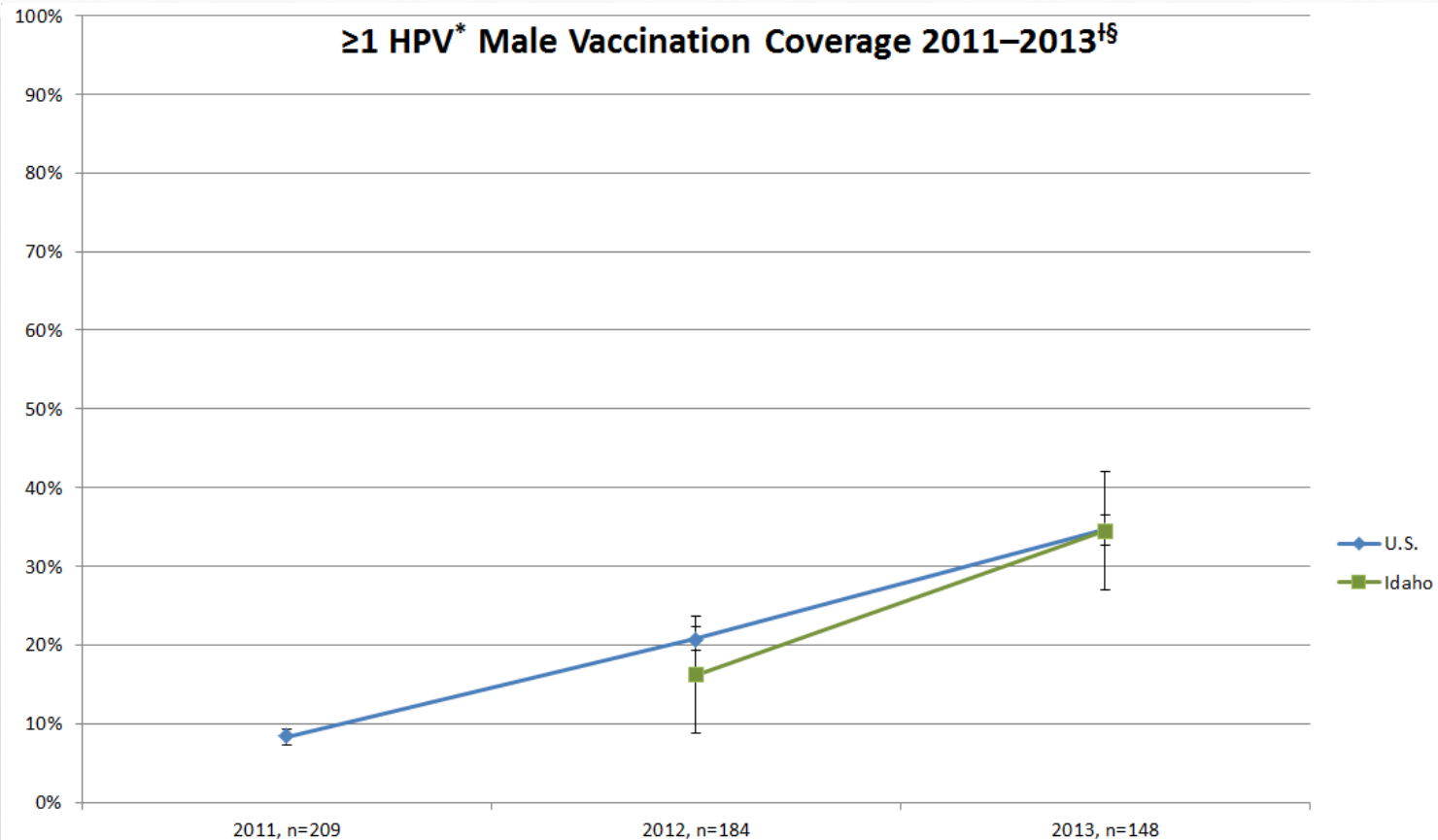
[§] This series sampling began in 2010

UNK=Unknown

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

Vertical bars above and below each point estimate indicate the 95% confidence interval

TEENS- MALE HUMAN PAPILLOMAVIRUS



* 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:



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