



# **PUBLIC HEALTH**

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HEALTHIER WASHINGTON**

## **Washington State Immunization Coverage**

2010 National Immunization Survey: Requirements for Kindergarten Entry

Washington State Board of Health  
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## How We Measure Immunization Rates

- National Immunization Survey (NIS)
  - Percent of infants aged 19-35 months covered for each vaccination and a series of vaccinations as recommended by the Advisory Committee on Immunization Practices (ACIP)
  - Percent of teenagers aged 13-17 years covered for each recommended ACIP vaccination
- Washington State School Data
  - Percent of kindergarteners covered (or exempt) for vaccinations required for school entry

## Recommended vs. Required

- ACIP Schedule = Recommendations
  - National immunization schedule published annually
  - NIS survey for infants and teens based on these recommendations
- Board of Health Rule = Requirements
  - Rule establishes vaccinations required for school and child care attendance
  - Schools and childcares report coverage rates of required vaccinations to the department annually

## Recommended vs. Required

### Recommended Immunization Schedule for Persons Aged 0 Through 6 Years—United States • 2011

For those who fall behind or start late, see the catch-up schedule

Vaccine ▼	Age ►	Birth	1 month	2 months	4 months	6 months	12 months	15 months	18 months	19–23 months	2–3 years	4–6 years
Hepatitis B <sup>1</sup>	HepB		HepB			HepB		HepB				
Rotavirus <sup>2</sup>				RV	RV	RV <sup>2</sup>						
Diphtheria, Tetanus, Pertussis <sup>3</sup>				DTaP	DTaP	DTaP	see footnote <sup>3</sup>	DTaP				DTaP
Haemophilus influenzae type b <sup>4</sup>				Hib	Hib	Hib <sup>4</sup>		Hib				
Pneumococcal <sup>5</sup>				PCV	PCV	PCV		PCV			PPSV	
Inactivated Poliovirus <sup>6</sup>				IPV	IPV			IPV				IPV
Influenza <sup>7</sup>								Influenza (Yearly)				
Measles, Mumps, Rubella <sup>8</sup>							MMR		see footnote <sup>8</sup>			MMR
Varicella <sup>9</sup>							Varicella		see footnote <sup>9</sup>			Varicella
Hepatitis A <sup>10</sup>								HepA (2 doses)				HepA Series
Meningococcal <sup>11</sup>												MCV4

  
Range of recommended ages for all children

  
Range of recommended ages for certain high-risk groups

## Recommended vs. Required

### Recommended Immunization Schedule for Persons Aged 7 Through 18 Years—United States • 2011

For those who fall behind or start late, see the schedule below and the catch-up schedule

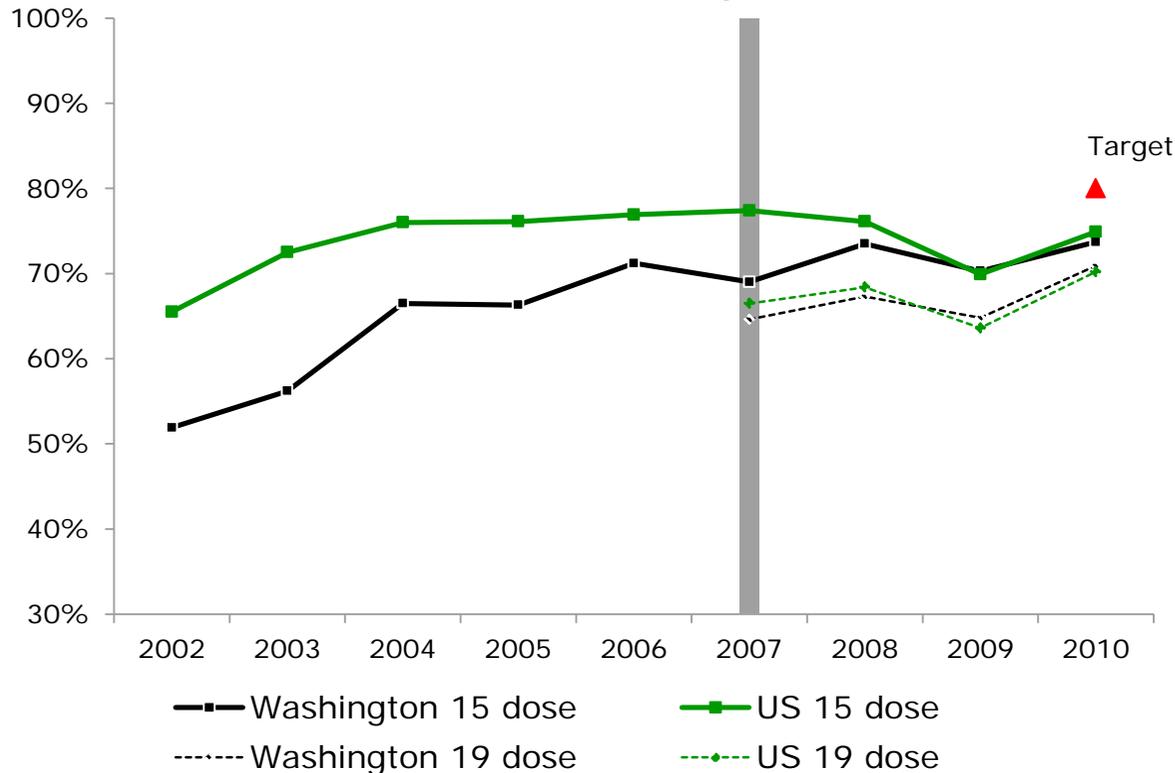
Vaccine ▼	Age ►	7–10 years	11–12 years	13–18 years	
Tetanus, Diphtheria, Pertussis <sup>1</sup>			Tdap	Tdap	Range of recommended ages for all children
Human Papillomavirus <sup>2</sup>	see footnote <sup>2</sup>		HPV (3 doses)(females)	HPV Series	
Meningococcal <sup>3</sup>		MCV4	MCV4	MCV4	Range of recommended ages for catch-up immunization
Influenza <sup>4</sup>		Influenza (Yearly)			
Pneumococcal <sup>5</sup>		Pneumococcal			Range of recommended ages for certain high-risk groups
Hepatitis A <sup>6</sup>		HepA Series			
Hepatitis B <sup>7</sup>		Hep B Series			
Inactivated Poliovirus <sup>8</sup>		IPV Series			
Measles, Mumps, Rubella <sup>9</sup>		MMR Series			
Varicella <sup>10</sup>		Varicella Series			



## 2010 National Immunization Survey (19-35 Months of Age)

# Washington Series Rates Over Time (19-35 Months of Age)

Children Receiving All Recommended Vaccinations  
in Washington



## 15 Dose Series

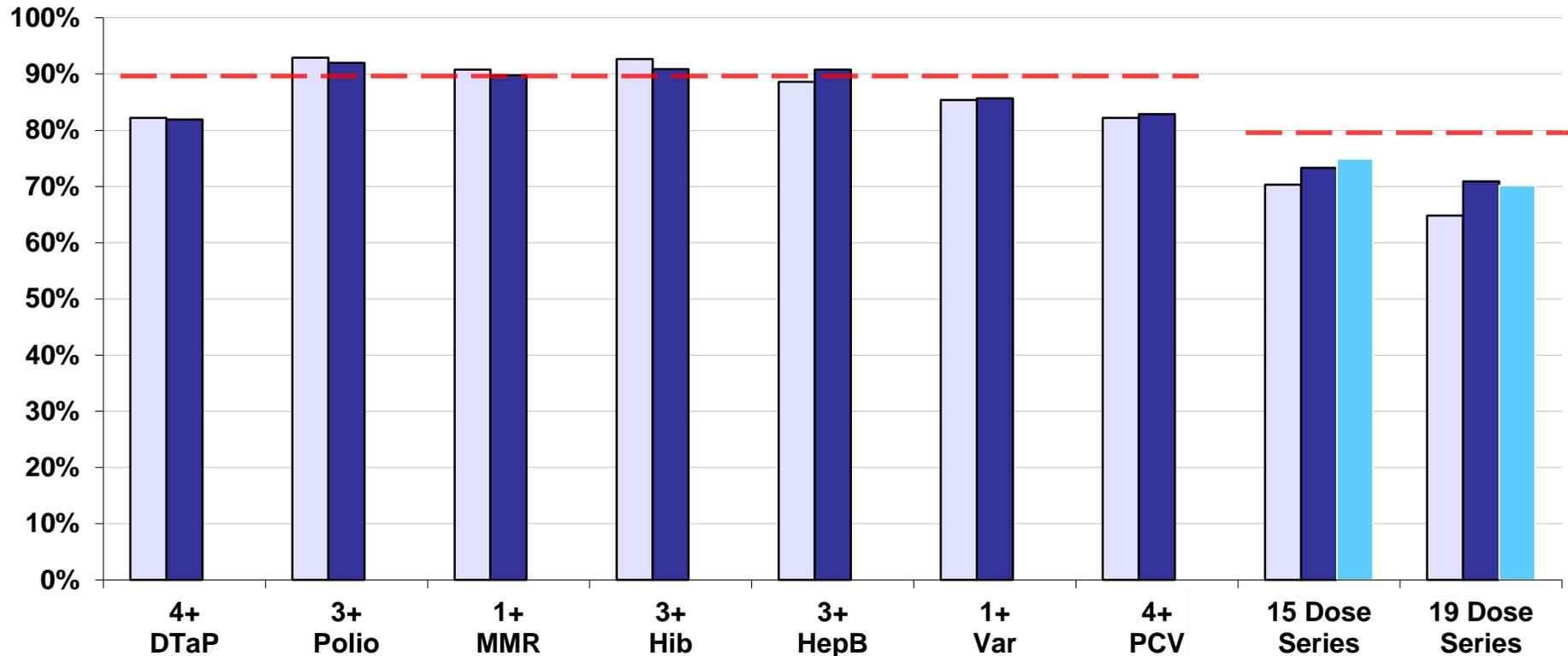
- 73.7% of Washington's toddlers 19-35 months old get the right immunizations at the right time
- Between 2009 and 2010, Washington's series rate rose by 3.4% while the national average rose 5%
- Rate increase of 21.8% since 2002

## 19 Dose Series

- 70.9% of Washington's toddlers 19-35 months old are current for this series
- Between 2009 and 2010, Washington's rate rose by 6.1% while the national average rose by 6.6%

# Washington Individual and Series Rates (19-35 Months of Age)

□ 2009    ■ 2010    ■ 2010 US Average  
- - - Healthy People 2010/2020 Goals



SOURCE: National Immunization Survey, Centers for Disease Control and Prevention, 2009-2010

## Washington Individual and Series Rates (19-35 Months of Age)

Vaccine	2009		2010		Difference	
	Rate	Rank	Rate	Rank	Rate	Rank
<b>4+DTaP</b>	82.2±4.3	32	81.9±4.9	36	(0.3)±6.5	↓ 4
<b>3+Polio</b>	92.9±2.7	28	92.0±3.2	35	(0.9)±4.2	↓ 7
<b>1+MMR</b>	90.8±3.0	26	89.8±3.6	38	(1.0)±4.7	↓ 12
<b>3+Hib</b>	92.7±2.8	3	90.9±3.4	19	(1.8)±4.4	↓ 16
<b>3+HepB</b>	88.6±3.6	46	90.8±3.3	35	2.2±4.9	11
<b>1+Var</b>	85.4±4.2	43	85.7±4.1	44	0.3±5.9	↓ 1
<b>4+PCV</b>	82.2±4.1	18	82.9±4.4	28	0.7±6.0	↓ 10
<b>4:3:1:3:3:1</b>	70.3±5.4	17	73.7±5.4	29	3.4±7.6	↓ 12
<b>4:3:1:3:3:1:4</b>	64.8±5.7	14	70.9±5.5	21	6.1±7.9	↓ 7

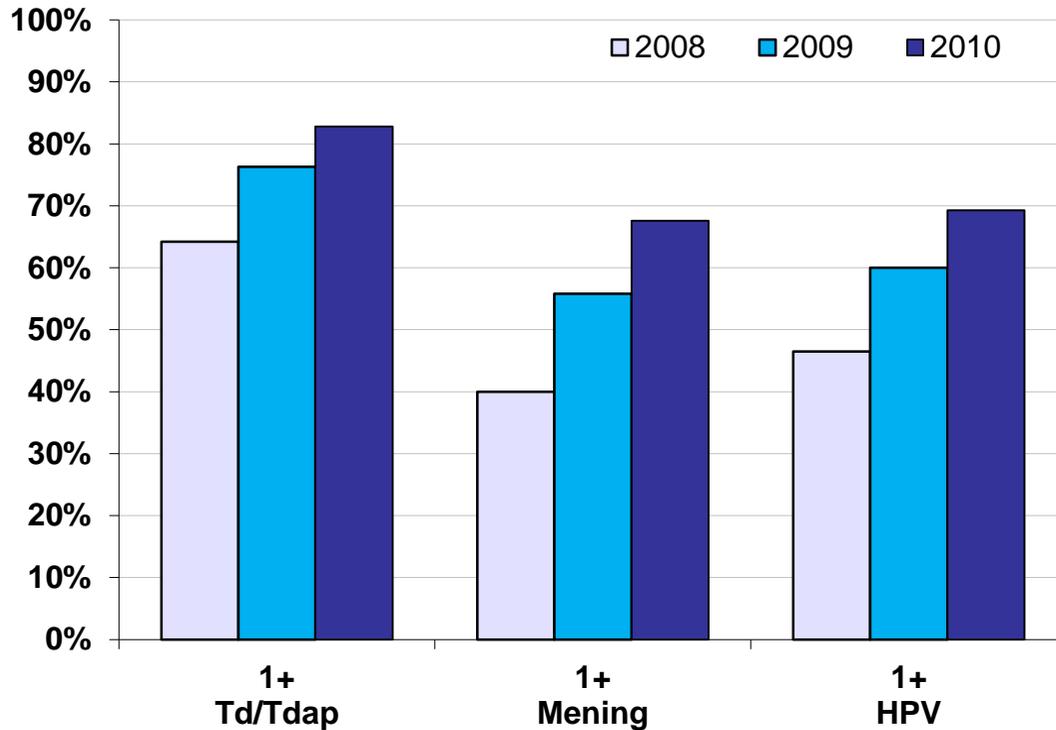
**DTaP** = Diphtheria, Tetanus, Pertussis; **MMR** = Measles, Mumps, Rubella; **Hib** = *Haemophilus influenzae* type b;  
**Hep B** = Hepatitis B; **Var** = Varicella (chicken pox); **PCV** = Pneumococcal



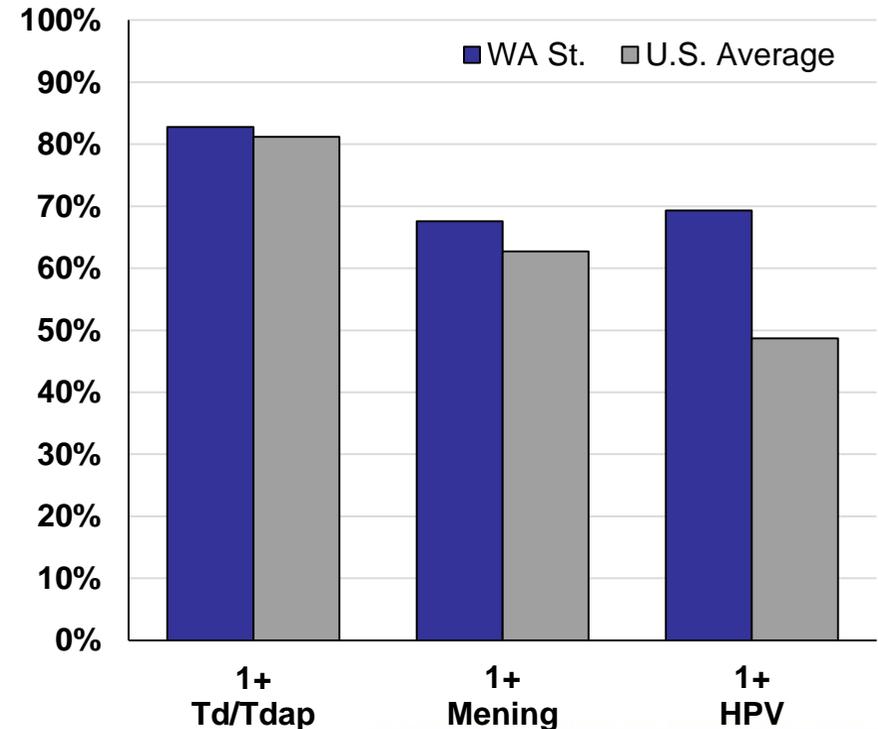
## 2010 National Immunization Survey (13-17 Years of Age)

## Washington Individual Rates (13-17 Years of Age)

Washington Teen Rates Improving



Washington Ahead of U.S. Average, NIS Teen: 2010

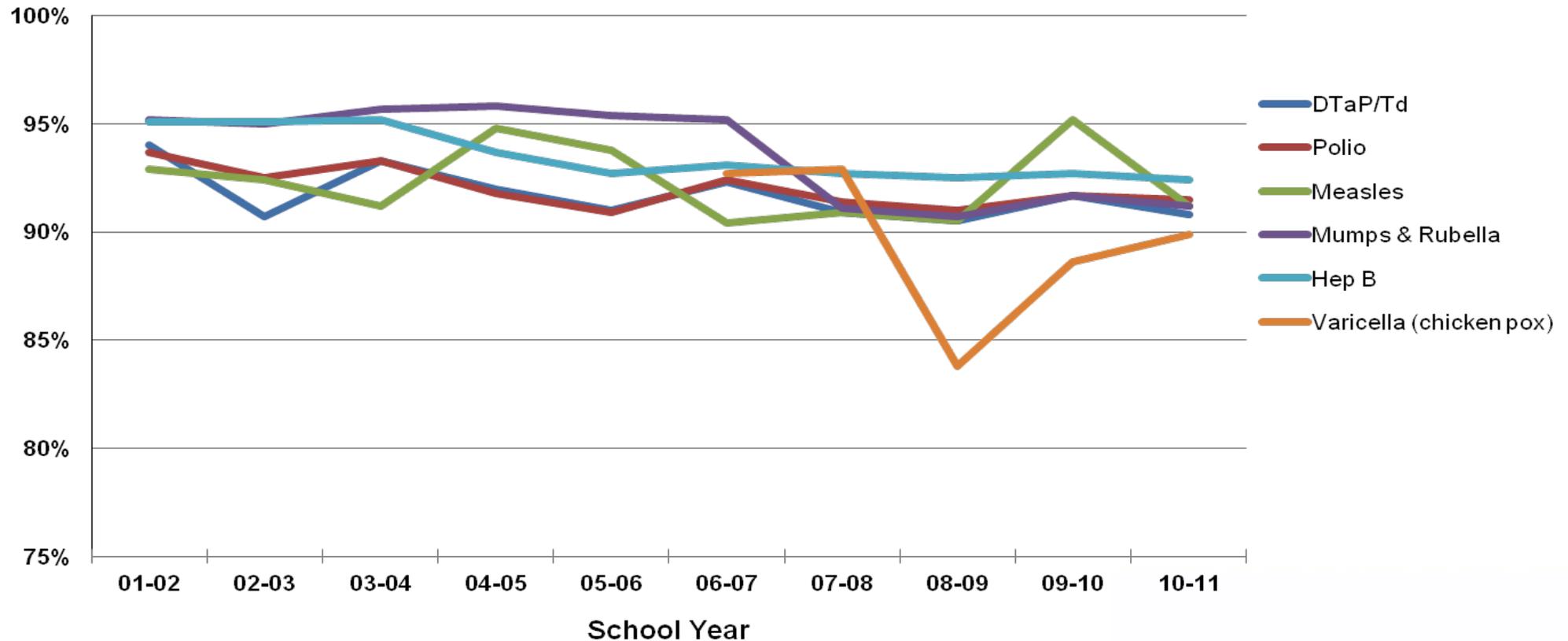


SOURCE: National Immunization Survey, Centers for Disease Control and Prevention, 2008-2010



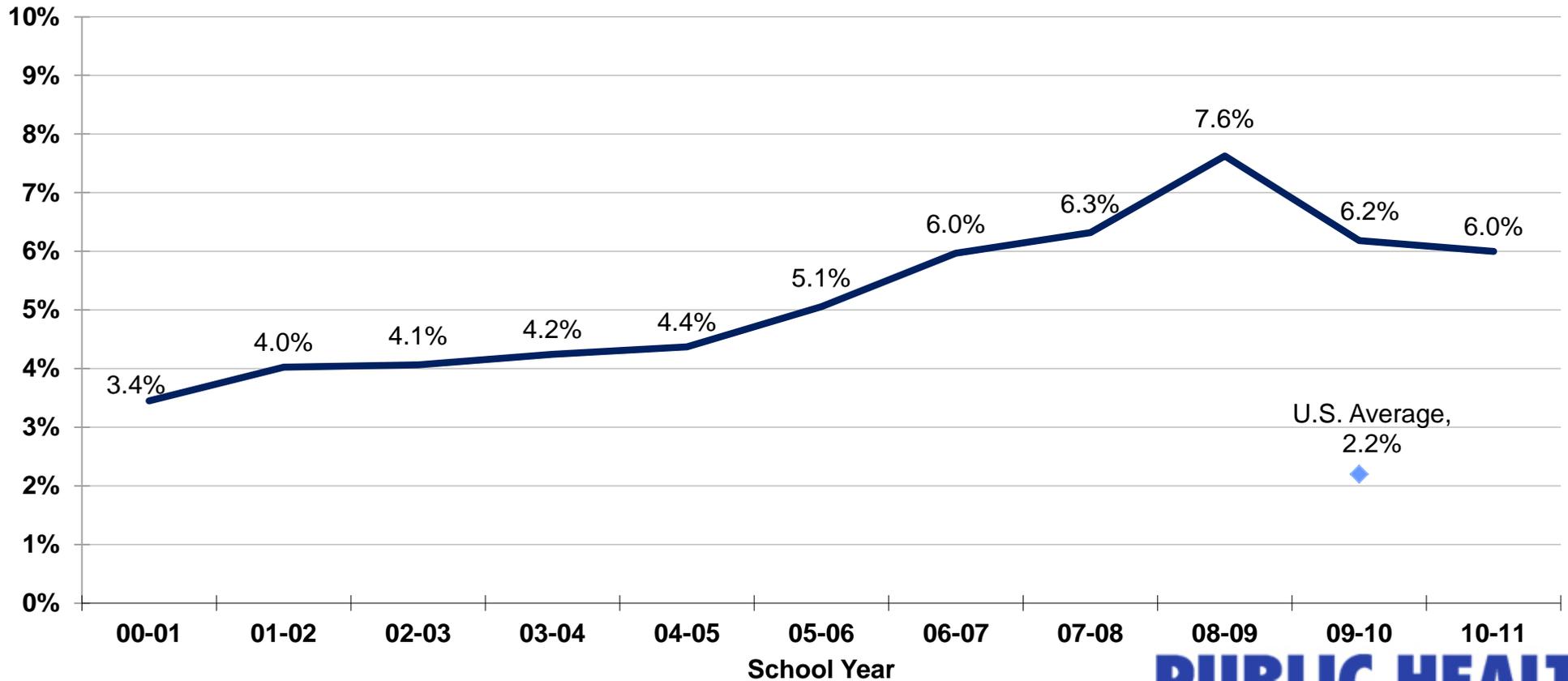
# Kindergarten Entry Washington State Reports on Required Immunizations

# Washington Kindergarten Coverage for Required Immunizations



SOURCE: Washington State School Immunization Status Reports, 2001-2011

## Washington Kindergarten Exemption Rates



SOURCE: Washington State School Immunization Status Reports, 2000-2011

## State Law: Changes to Exemption Policy

- Makes the effort to exempt similar to the effort to vaccinate
- Providers must sign the Certificate of Exemption (or write letter) confirming parent got information about benefits and risks of immunization
- No provider signature needed if parent demonstrates membership in religious body that does not believe in medical treatment
- Change effective July 22, 2011; all new exemption requests
- Data reflecting changed policy starts arriving in April 2012

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