



# OKLAHOMA KINDERGARTEN IMMUNIZATION SURVEY

Each year, the Oklahoma State Department of Health (OSDH), in collaboration with the Oklahoma State Department of Education and schools throughout the state, conducts a survey to assess vaccination coverage and exemption status of children enrolled in public and private kindergarten programs.

Participation of schools in this survey is not only essential to capture immunization rates among children, but analysis of this data drives public health policy and program activities to improve vaccination coverage in our state. Aggregate results are also shared with the Centers for Disease Control and Prevention (CDC) for inclusion in the national kindergarten survey report. We appreciate the time and effort of our education partners in participating in the annual survey.

## 2017-18 Oklahoma Kindergarten Immunization Survey Results

### Participation and Response Rates

We achieved a high rate of participation for the 2017-18 survey.

- ◆ 89% of public schools and 52% of private schools submitted responses and data.
- ◆ Responses from schools represented 91% of students enrolled in public kindergarten programs and 59% in private school programs.

### Vaccination Rates

- ◆ For the 2017-18 school year, 91% of public school kindergartners and 84% of private school kindergartners were found to be fully vaccinated.
- ◆ When examining individual vaccine coverage, the highest rates among kindergartners were for 1 dose of varicella (chickenpox) vaccine. MMR (measles, mumps, and rubella) vaccine coverage had the lowest rates.
- ◆ Immunization exemption rates were found to be 2.1% for public schools and around 6% for private schools.
- ◆ The tables on the following page highlight in greater detail the vaccine specific coverage rates, overall immunization rates by county, and medical/non-medical exemption rates.



## Percentage of Kindergarten Students with Record of Current Vaccination by Vaccine Type and Public or Private School Affiliation, Oklahoma, 2017-2018

	Public	Private	Combined Estimate*
Up to date all vaccines	90.7%	84.4%	89.9%
Up to date DTaP	94.7%	89.8%	93.9%
Up to date Polio	94.6%	88.3%	93.7%
Up to date MMR	93.4%	87.6%	92.6%
Up to date Hep B	94.9%	91.6%	94.1%
Up to date Hep A	95.8%	92.3%	95.1%
Up to date Varicella	97.6%	93.3%	96.8%
Any Exemption	2.1%	5.6%	2.2%

\*Combined estimates are calculated to account for potential non-response bias among public and private school students, which are included in the CDC national kindergarten survey available at [https://www.cdc.gov/mmwr/volumes/67/wr/mm6740a3.htm?s\\_cid=mm6740a3\\_e](https://www.cdc.gov/mmwr/volumes/67/wr/mm6740a3.htm?s_cid=mm6740a3_e).

## Percentage of Kindergarten Students with Record of Exemption for any Vaccination by Exemption Type, Oklahoma, 2017-2018

	Medical		Non-Medical	
	Public	Private	Public	Private
All vaccines	0.1%	0.3%	1.4%	3.0%
DTaP	0.1%	0.7%	1.5%	3.3%
Polio	0.1%	0.7%	1.5%	3.7%
MMR	0.1%	0.7%	1.6%	3.6%
Hep B	0.1%	0.7%	1.5%	3.6%
Hep A	0.1%	0.7%	1.5%	3.6%
Varicella	0.1%	0.7%	1.5%	3.3%
Any Exemption	0.2%	0.7%	1.9%	4.9%

## Public & Private School Kindergarten Vaccination Coverage Rates by County, Oklahoma, 2017-2018

County	Up to Date For All	Any Exemption	County	Up to Date For All	Any Exemption	County	Up to Date For All	Any Exemption	County	Up to Date For All	Any Exemption	County	Up to Date For All	Any Exemption
	%	%		%	%		%	%		%	%		%	%
Adair	95.1	0.1	Cotton	54.6	0	Jackson	93.6	0	McIntosh	93.8	2.5	Roger Mills	89.8	3.4
Alfalfa	84.8	0	Craig	93.8	2.7	Jefferson	86.1	0	Murray	88.7	1.1	Rogers	91.2	2.7
Atoka	86.6	2.9	Creek	93.0	2.7	Johnston	91.8	1.0	Muskogee	92.8	1.1	Seminole	92.4	1.2
Beaver	93.1	0	Custer	89.0	1.8	Kay	95.3	1.4	Noble	94.0	0	Sequoyah	90.9	0.9
Beckham	94.3	0.8	Delaware	95.0	2.1	Kingfisher	86.7	2.2	Nowata	90.8	1.5	Stephens	95.3	2.1
Blaine	93.9	0	Dewey	87.5	4.7	Kiowa	96.2	0.8	Okfuskee	97.7	2.3	Texas	96.1	0.3
Bryan	93.4	1.1	Ellis	88.0	0	Latimer	95.4	0	Oklahoma	88.2	2.3	Tillman	100.0	0
Caddo	82.3	0	Garfield	95.3	0.9	Le Flore	96.3	0.6	Okmulgee	95.1	0.8	Tulsa	91.5	2.8
Canadian	92.0	1.7	Garvin	90.0	2.7	Lincoln	93.4	0.4	Osage	89.4	2.4	Wagoner	90.1	3.5
Carter	94.5	1.8	Grady	88.3	3.3	Logan	81.5	1.8	Ottawa	88.9	2.4	Washington	91.7	1.3
Cherokee	95.2	0.5	Grant	94.6	0	Love	92.8	0	Pawnee	94.5	1.1	Washita	99.2	0
Choctaw	97.1	1.0	Greer	90.3	1.6	Major	93.7	2.1	Payne	77.5	2.8	Woods	91.4	1.9
Cimarron	93.3	0	Harmon	93.8	0	Marshall	96.2	1.3	Pittsburg	93.7	1.4	Woodward	84.0	3.9
Cleveland	90.2	3.1	Harper	91.4	0	Mayes	93.8	1.1	Pontotoc	96.9	0.9			
Coal	92.4	3.8	Haskell	94.3	1.1	McClain	90.1	2.6	Pottawatomie	94.6	2.4			
Comanche	82.0	1.3	Hughes	93.0	2.9	McCurtain	94.6	0.5	Pushmataha	92.9	0			