

Assessment of Kindergarten Immunization Reporting Data for Madera County Schools for the Years 2015-2019

California schools with Kindergarten grade levels are required to screen students for all required vaccinations or valid exemptions and report the status of their students under CA Health & Safety Code 120325-120380 and CA Code of Regulation Title 17, Section 6075. The California Department of Public Health (CDPH) and the Madera County Department of Public Health (MCDPH) work to ensure compliance from schools reporting kindergarten immunization data. MCDPH is responsible for monitoring immunization status and supporting schools in efforts to get students in compliance with required immunizations. An analysis of Madera County reporting and immunization data for Kindergarten students will help assess the patterns in compliance from schools reporting immunization data and the number of students receiving all immunizations.

Trends and patterns for percentage of schools reporting Kindergarten immunizations

- Through the 2015-2019 school years, there was also an upward trend in the percent reporting Kindergarten immunizations for all private and public schools combined (Figure 1).
- From the 2018-2019 school years the total percentage of all schools reporting Kindergarten immunizations was 97.4%, an 8.8 percentage point increase from 2017-2018, a 11.0 percentage point increase from 2016-2017, and a 7.6 percentage point increase from 2015-2016 school year (Figure 1).
- For the 2018-2019 school years, Private schools showed a great increase in reporting the Kindergarten immunizations data at 100% percent compared to only 75% reporting in 2017-2018 (Figure 2-3).
- In the 2018-2019 school year, the percentage of public and private schools improved in the reporting of kindergarten immunization data with 97.4% compared to 88.6% in the 2017-2018 school year (Figure 2-3).

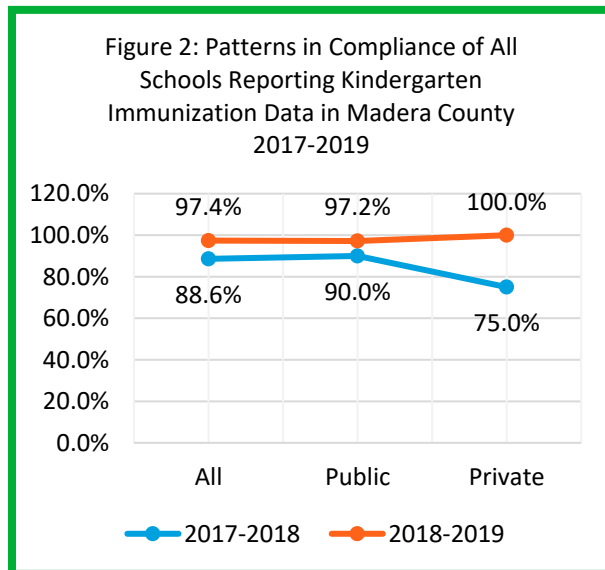
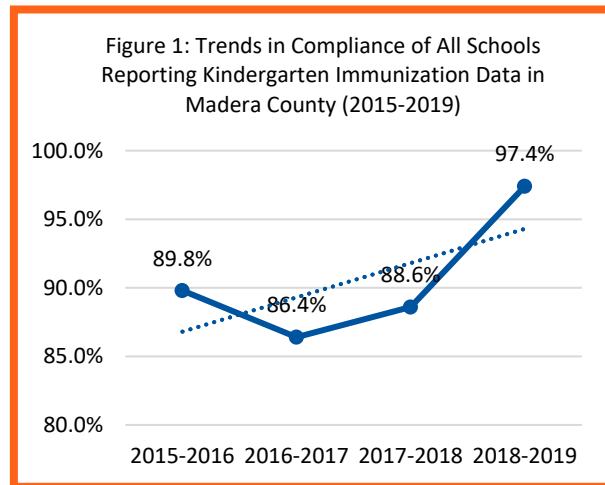


Figure 3: Patterns in Compliance of All Schools Reporting Kindergarten Immunization Data in Madera County 2015-2019

	Total # of all schools	All Schools Reporting	Public Schools Reporting	Private Schools Reporting
2015-2016	49	89.8%	92.9%	71.4%
2016-2017	44	86.4%	92.3%	40.0%
2017-2018	44	88.6%	90.0%	75.0%
2018-2019	38	97.4%	97.2%	100.0%

California Dept. of Public Health, Immunization Branch, Kindergarten Data and Reports (2015-2019) <https://www.shotsforschool.org/k-12/reporting-data/> 12/17/2020 A.G.

Trends and patterns for Kindergarten entrants with all required immunization numbers

- Data from 2015 -2019 shows a slight downward trend of all required immunizations at Kindergarten Entry in Madera County (Figure 4).
- From the 2018-2019 school years, the total reported percentage of students in Kindergarten to have all required immunizations was 95.5%, a 0.9 percentage point increase from the 2017-2018 school year, a 0.5 percentage point decrease from the 2016-2017 school year, and a 0.4 percentage point decrease from the 2015-2016 school year (Figure 4).
- From the 2015-2019 school years, the highest reported rate for the total percentage of Kindergarten students with all required immunizations was in 2016-2017 with 96% reporting. The 2017-2018 school year demonstrated the lowest reported rate with 94.6% reported and the highest percentage point decrease at 1.4% from the 2016-2017 school year (Figure 4).
- Compared to 2017-2018, the 2018 -2019 shows an increase in the percentage of students with vaccinations for DTP 4, POLIO 3+, and MMR2, and a decrease in the percentage of students vaccinated for HEP B+ and VAR 1+. Yet, there is still an upward trend in the percentage of students with required immunizations by vaccine type (Figure 5-6).

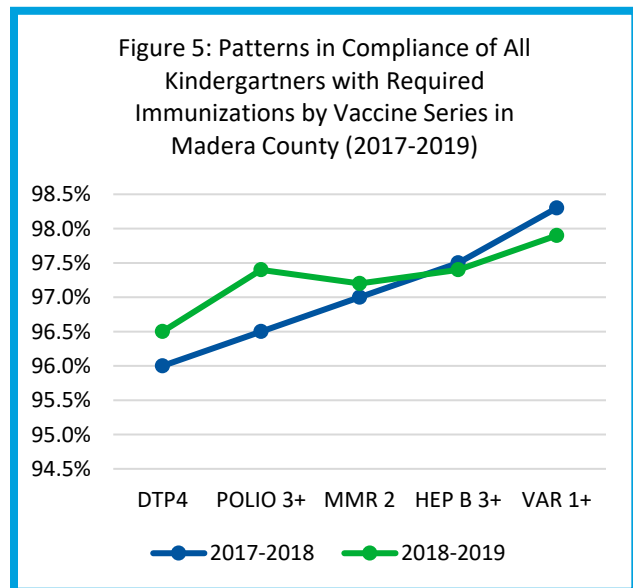
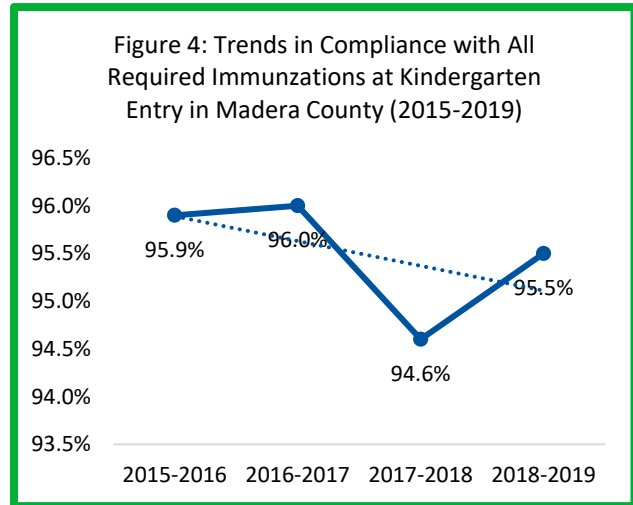


Figure 6: Patterns in Compliance of All Kindergartners with Required Immunizations by Vaccine Series in Madera County (2015-2019)

	Total Students	DTP4	POLIO 3+	MMR 2	HEP B 3+	VAR 1+
2015-2016	2797	96.3%	97.1%	97.3%	97.7%	97.9%
2016-2017	2835	96.9%	97.4%	97.6%	98.2%	98.8%
2017-2018	2778	96.0%	96.5%	97.0%	97.5%	98.3%
2018-2019	2762	96.5%	97.4%	97.2%	97.4%	97.9%