

Kindergarten Immunization Assessment, 2020-2021 and 2021-2022

First Grade Immunization Assessment, 2021-2022

Executive summary

Immunization requirements for school entry help protect children and communities from vaccine-preventable diseases. Schools in California are required to report student immunization status to the California Department of Public Health (CDPH) every year. This report summarizes California student immunization rates reported at kindergarten in the 2020-2021 and 2021-2022 school years and at first grade in 2021-2022.

Events potentially affecting immunization and reporting during this period included:

- The Coronavirus 2019 (COVID-19) pandemic has disrupted routine primary health care and education.
- Beginning January 1, 2021 Senate Bills [\(SB\) 276](#) and [SB 714](#) have required that all new medical exemptions to requirements for school entry be issued through a statewide database accessed at the California Immunization Registry Medical Exemption (CAIR-ME) website.

Reported immunization rates in 2021-2022 decreased slightly from before the pandemic. The proportion of kindergarten students reported to have received all required immunizations was 94.3% in 2019-2020 and 94.0% in 2021-2022. An interim rate for kindergarten students in 2020-2021, when immunization or reporting might have been affected by delayed immunization and widespread school closures, was 92.8%. The rate for this cohort during first grade in 2021-2022 was 96.0%. The rate of kindergarteners reported as having received 2 doses of Measles, Mumps and Rubella (MMR) in 2021-2022 was 96.3%, with 16 (28%) of California counties reporting MMR rates below 95%. The rate of kindergarteners reported with permanent medical exemptions decreased from 1.0% in 2019-2020 to 0.3% in 2021-2022, the lowest level since 2015-2016.

CDPH and local health departments in California continue to closely monitor immunization coverage and to support schools in protecting the health of their students and communities.

Introduction

All schools with kindergartens in California are required to report annually on student compliance per California Health and Safety Code Sections 120325-120375. This report summarizes the 2020-2021 and 2021-2022 school year data for kindergarteners. In 2021-2022, an additional reporting requirement was added for first grade students to follow immunization trends during the COVID-19 pandemic, associated with delayed primary healthcare, lengthy school closures, shifts from in-person to virtual and hybrid learning, and, in concert with [smaller birth cohorts](#), a decreased kindergarten student enrollment of 10% between [2019-2020](#) and [2021-2022](#) per California Department of Education data.

California laws over the past decade have modified:

- Medical exemptions to required immunization: Starting January 1, 2021, Senate Bills [SB 276](#) and [SB 714](#) have required that all new medical exemptions for school and child care entry be issued through CAIR-ME, an electronic, statewide database. Medical exemptions can only be issued by physicians and surgeons licensed with the Medical Board or Osteopathic Medical Board of California and must meet criteria for appropriate exemptions from the Centers for Disease Control and Prevention, Advisory Committee on Immunization Practices and American Academy of Pediatrics.
- Personal beliefs exemptions (PBEs): PBEs have not been permitted since 2016 per [SB 277](#).
- Required doses: Since 2019, students entering kindergarten are required to receive two rather than one dose of Varicella (chickenpox) vaccine due to changes in the [California Code of Regulations](#).

Methods

California schools registered with the California Department of Education reported to CDPH data on enrolled kindergarteners during the winter of the 2020-2021 and 2021-2022 school years. In 2021-2022, schools reporting kindergarten enrollment were also required to report the immunization status of first grade students to monitor their vulnerability to vaccine-preventable diseases during the pandemic.

Based on their immunization status, students were classified by school staff into the following categories:

- Received all required immunizations, including the following doses:
 - 5 or more of Diphtheria, Tetanus and Pertussis (DTP) vaccine (4 doses are acceptable if at least 1 dose was received on or after the fourth birthday): ['4+DTP'];
 - 4 or more of Polio vaccine (3 doses are acceptable if at least 1 dose was received on or after the fourth birthday): ['3+ Polio'];
 - 2 or more of Measles-containing and Mumps-containing vaccines received on or after the first birthday, and 1 or more of Rubella vaccine, typically combined as Measles, Mumps and Rubella (MMR) vaccine: ['2+ MMR'];
 - 3 or more of Hepatitis B (Hep B) vaccine: ['3+ Hep B'], and
 - 2 or more of Varicella (Var): ['2+ Var']. From 2000-2019, the requirement was for 1 or more doses of Varicella vaccine or a history documented by a physician of having had chickenpox disease. History of disease is currently reported as a permanent medical exemption.
- Conditional entrants who had:
 - Not received all required doses but were not overdue for required doses, or
 - A temporary medical exemption to one or more required immunizations.Conditional entrants are required to receive additional doses after entry.
- Have a permanent medical exemption (PME) to one or more required immunizations.
- Other students lacking immunizations. Under SB 277, entrants since the 2016-2017 school year have not been required to have immunizations if they attend:
 - A home-based private school or
 - A public independent study program and do not receive classroom-based instruction.
 - In addition, students who have an individualized education program (IEP) may continue to receive all necessary services identified in their IEP regardless of their immunization status.Students in these settings were classified in this category if they lacked required immunizations and did not meet the criteria for other categories.
- Children overdue for one or more required immunizations and subject to exclusion from school until the overdue requirements have been met.

Under SB 277, since the 2016-2017 school year personal beliefs exemptions (PBEs) have no longer been an option for children entering kindergarten.

Starting in 2016-2017 school year, any immunizations received by children with PBEs or PME for different immunizations are reported in the completion rates of each specific required immunization series (e.g., 4+ DTP, 2+ MMR, etc.).

Due to rounding, figures may differ from the sums of their components. Differences were calculated between exact figures, varying at times by 0.1% from the differences between rounded figures.

Results

In 2021-2022, 7,824 schools reported immunization status for 503,722 kindergarten students, and 7,598 schools reported on 431,819 first grade students (Table 1 and 2). Compared to 2019-2020, the number of kindergarten schools that reported in 2021-2022 decreased by 2% and number of reported kindergarteners decreased by 9%. Between 2019-2020 and 2021-2022, the number of private schools reporting kindergarten education decreased 10% from 1,891 to 1,693 schools, while the number of public schools with kindergarten increased slightly from 6,109 to 6,131. Similar to previous years, public schools accounted for 78% of all schools reporting kindergarten education and 92% of all reported kindergarten students in 2021-2022. Among nonreporting schools, 87% (161/185) were private schools.

All required immunizations: Among the 503,722 reported kindergarten students in 2021-2022, 94.0% had received all required immunizations, a decrease of 0.3 percentage points from 2019-2020 (Table 1 and Figure 1); these findings were similar for the subset of public schools.

The interim rate for kindergarten students in 2020-2021 was 92.8%, while the rate for this cohort during first grade in 2021-2022 was 96.0% (Table 2).

Specific immunization series: Completion rates for specific immunization series among kindergarteners in 2021-2022 ranged from 95.7% for DTP to 97.3% for Hep B (Table 1 and Figure 2). Compared to 2019-2020, in 2021-2022 rates for DTP vaccine decreased from 96.2% to 95.7%, varicella vaccine remained unchanged at 96.0%, polio vaccine decreased from 96.5% to 96.2% and Hep B vaccine decreased from 97.4% to 97.3%.

MMR rates among kindergarteners decreased 0.2 percentage points from 96.5% in 2019-2020 to 96.3% in 2021-2022, including 96.4% in public schools and 95.5% in private schools.

As with the trend for all required vaccines, the rates reported for each specific vaccine were lower during the first pandemic reporting year of 2020-2021 and similar in 2021-2022 compared to 2019-2020.

PMEs: The number of kindergarteners reported with permanent medical exemptions was 5,268 (1.0%) in 2019-2020 and 1,366 (0.3%) in 2021-2022 (Table 1, Figures 3 and 4). Among first grade students in 2021-2022, 1,675 students (0.4%) were reported with PMEs, compared to 2,865 (0.6%) of kindergarten students in 2020-2021 (Table 2). Both public and private schools reported fewer PMEs in 2021-2022 than previous years.

Conditional entrants: The proportion of kindergarteners reported as conditional entrants decreased from 1.7% in 2019-2020 to 1.3% in 2021-2022 (Table 1, Figure 4), while 0.6% of first grade students were reported as conditional entrants in 2021-2022 (Table 2). 1,097 kindergarteners in 2019-2020 were reported with temporary medical exemptions (0.2% of all students and 12% of conditional entrants), compared to 430 (0.1% of all students and 6% of conditional entrants) in 2021-2022. Among first grade students in 2021-2022, 225 students were reported with temporary medical exemptions (0.1% of all students and 9% of conditional entrants).

For the sum of permanent and temporary medical exemptions during kindergarten, 6,365 (1.1%) were reported in 2019-2020 and 1,796 (0.4%) in 2021-2022.

Overdue: The rates of kindergarteners reported as overdue were 1.5% in 2019-2020, 4.0% in 2020-2021 and 2.3% in 2021-2022 (Table 1 and Figure 4), while 1.3% of first-grade students were reported as overdue in 2021-2022 (Table 2). Between 2019-2020 and 2021-2022, the proportion of overdue kindergarteners increased from 1.4% to 2.2% in public schools and from 2.3% to 3.3% in private schools.

Other students lacking required immunizations: Kindergarteners who were reported as lacking one or more required immunizations who attend a public independent study program and do not receive classroom-based

instruction, attend a home-based private school, or receive IEP services increased from 1.6% in 2019-2020 to 2.1% in 2021-2022 (Table 1 and Figure 4).

County-level immunization rates: Immunization rates varied widely, being lower in some northern and central counties in California (Tables 3 and 4, Figures 5 and 6). In 2021-2022, 13 (22%) of 58 counties reported kindergartens with all required immunizations below 90%, compared to 11 (19%) counties in 2019-2020. In most counties, rates for all required immunizations in first grade students during 2021-2022 were higher than rates in kindergarten students during 2020-2021.

As in prior school years, counties with a higher proportion of kindergarten enrollment in online or virtual schools had lower immunization rates. El Dorado, Glenn, Kern, and Sutter counties reported more than 5% of kindergarten students being enrolled in virtual schools in 2021-2022 and rates of all required vaccines between 78 - 88%. In these counties, there were large differences in all required immunization rates between students in classroom-based schools versus virtual schools (Box).

% Of Kindergarteners with All Required Immunizations in 2021-2022				For Schools Based in County, % of Pupils Reported as Enrolled in Virtual Schools*
County	All Schools Based in County	Classroom-Based Schools	Virtual Schools*	
Sutter	77.5%	96.1%	35.0%	30.4%
El Dorado	78.2%	92.7%	18.2%	19.4%
Glenn	85.1%	96.7%	23.3%	15.7%
Kern	88.2%	93.9%	21.0%	7.9%

*Virtual schools are based in the specified county but may enroll children who reside in other counties.

MMR rates for kindergarteners by county ranged from 79.9% to 99.3% in 2021-2022, with 16 (28%) counties reporting MMR rates lower than 95%, including 5 counties with rates lower than 90%. This is similar to the rates in 2018-2019 and 2019-2020, in which 17 (29%) counties reported fewer than 95% of their kindergarteners as having had at least two MMR doses. For first-grade students in 2021-2022, MMR rates by county ranged from 83.8% to 100%, with 12 (21%) counties with MMR rates lower than 95%.

Discussion

Despite the demands and disruptions from the pandemic, California schools continue to provide valuable information on the immunity of their students, with public schools reporting immunization status of 97% (449,496/462,172) of kindergarteners counted in CDE enrollment data in [2020-2021](#) and 98% (461,506/469,928) in [2021-2022](#). Private school reporting was lower at 91% (36,042/39,392) in 2020-2021 and 94% (42,216/45,037) in 2021-2022.

The rate of all required immunizations reported for kindergarten students was similar at 94.3% in 2019-2020 and 94.0% in 2021-2022. An interim lower rate of 92.8% for kindergarteners during the initial school year of the pandemic in 2020-2021 was followed by a rate of 96.0% during first grade in 2021-2022. As data on first graders had not been collected previously, it is unclear whether the pace of catch-up during first grade in 2021-2022 was unusual. Immunization rates for most individual required vaccines have also decreased slightly during the pandemic. School reporting during the pandemic, especially during 2020-2021, may have been

hampered by closures, shortages or turnover of staff at schools, and delayed care or recordkeeping at clinical sites.

Over the last decade, the rate of all required immunizations rose from 91.0% in 2011-2012 to 95.6% in 2015-2016, and then decreased to 94.0% in 2021-2022. During this period, reasons for increasing immunization rates might have included: public health departments working with schools to improve the application of [conditional admission schedules](#), personal beliefs exemptions no longer being permitted per [SB 277](#) and [CDE school audits](#) incorporating immunization compliance review. In contrast, during this period increases were also reported in kindergarteners with medical exemptions or lacking immunizations while in educational programs that are individualized or based outside of the classroom. Since implementation of [SB 276](#) and [SB 714](#), which require medical exemptions to align with national standards and be subject to review by CDPH, the rates of PME have decreased from a record high of 1.0% kindergarteners in 2019-2020 to 0.3% of kindergarteners and 0.4% of first graders in 2021-2022.

National trends and rates for kindergarteners during the 2020-2021 school year reported to [CDC](#) were similar to California (CA), whether for MMR (93.9% US vs. 95.1% CA), DTaP (93.6% vs 94.7%) or Varicella (93.6% vs. 94.8%). In 2021-2022, 16 (28%) of California counties had reported MMR rates in kindergarten students below 95%, an approximate threshold necessary to prevent the transmission of measles. Regional differences in immunization rates for school-required vaccines reflect trends for [COVID-19 vaccines in California](#).

Children in schools and communities with lower immunization rates remain at higher risk of contracting and transmitting vaccine preventable diseases. Efforts to monitor, support, and increase immunizations should continue as in-person learning and social activities resume; efforts to protect school communities with required vaccines and COVID-19 vaccines can be complementary and synergistic.

Limitations

This report is subject to limitations that include:

- Submission of student immunization records to school staff and reporting by school staff of immunization data to CDPH might have been reduced during the pandemic. Incomplete immunization records might have resulted in underestimates of immunization rates.
- CDPH does not know how many of the schools that did not report had enrolled kindergarteners or the immunization status of their kindergarten students. In 2020-2021, 342 California elementary schools, including 297 private schools and 45 public schools, did not report. In 2021-2022, 185 California elementary schools, including 161 private schools and 24 public schools, did not report. Underreporting could have biased the reported immunization rates in either direction.
- As in previous years, private home schools that did not register with the California Department of Education may not have reported data to CDPH, which would result in underestimates of their enrollment.
- The timing of immunization is often not included in the assessment criteria; if doses were given at inappropriate ages or intervals, reported rates may overestimate levels of immunity.

Figures

Figure 1. Percentage of Students with All Required Immunizations by School Year, Left: Kindergarten, 2014-2015 to 2021-2022 School Years; Right: Kindergarten, 2020-2021 School Year, First Grade, 2021-2022 School Year

Figure 2. Percentage of Students with Specific Required Immunizations by Series and School Year, Left: Kindergarten, 2014-2015 to 2021-2022 School Years; Right: Kindergarten, 2020-2021 School Year, First Grade, 2021-2022 School Year

Figure 3. Percentage of Students with Permanent Medical Exemptions (PME) by School Year, Left: Kindergarten, 2014-2015 to 2021-2022 School Years; Right: Kindergarten, 2020-2021 School Year, First Grade, 2021-2022 School Year

Figure 4. Percentage of All Kindergarten and First Grade Students by Reported Admission Status by School Year, Top: Kindergarten, 2014-2015 to 2021-2022 School Years; Bottom: Kindergarten, 2020-21 School Year and First Grade, 2021-2022 School Year.

Figure 5. Map: Kindergarten and First Grade Students with All Required Immunizations, by County, Kindergarten, 2019-2020 to 2021-2022 School Years and First Grade, 2021-2022 School Year

Figure 6. Map: Kindergarten and First Grade Students with Two or More Doses of MMR Vaccine, by County, Kindergarten, 2019-2020 to 2021-2022 School Years and First Grade, 2021-2022 School Year

Tables

Table 1. Kindergarten Immunization Assessment Summary, 2019-2020 through 2021-2022 School Years

Table 2. Immunization Assessment Summary of Kindergarten in 2020-2021 and Subsequent 1st Grade in 2021-2022

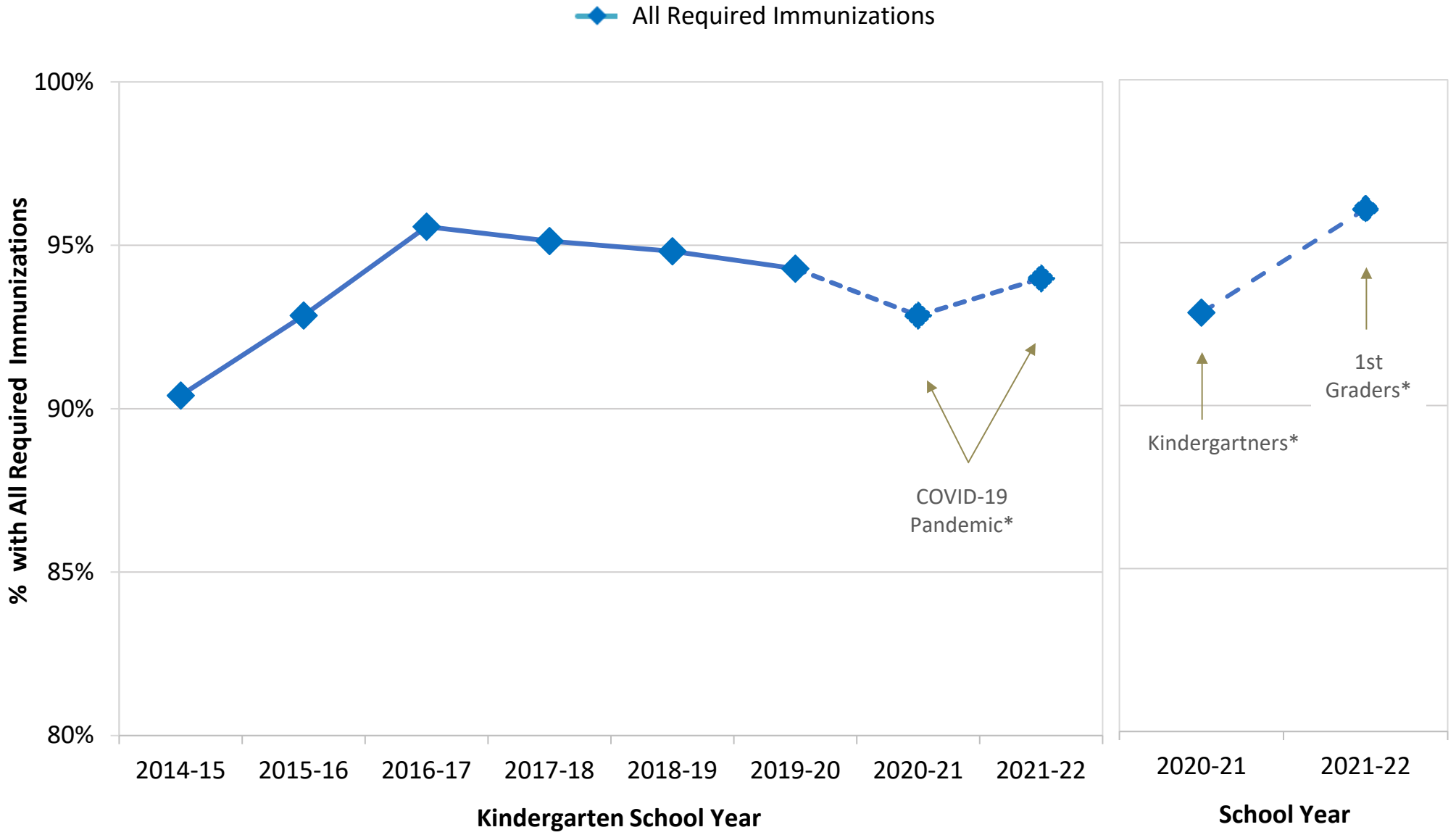
Table 3. Total Enrollment and Admission Status of Kindergarten, 2021-2022, 2020-2021 and 2019-2020 School Years and First Grade, 2021-2022 School Year, by County

Table 4. Total Enrollment and Specific Required Immunizations by Series, Kindergarten, 2021-2022, 2020-2021, 2019-2020 and First Grade, 2021-2022, by County

Figure 1. Percentage of Students with All Required Immunizations by School Year

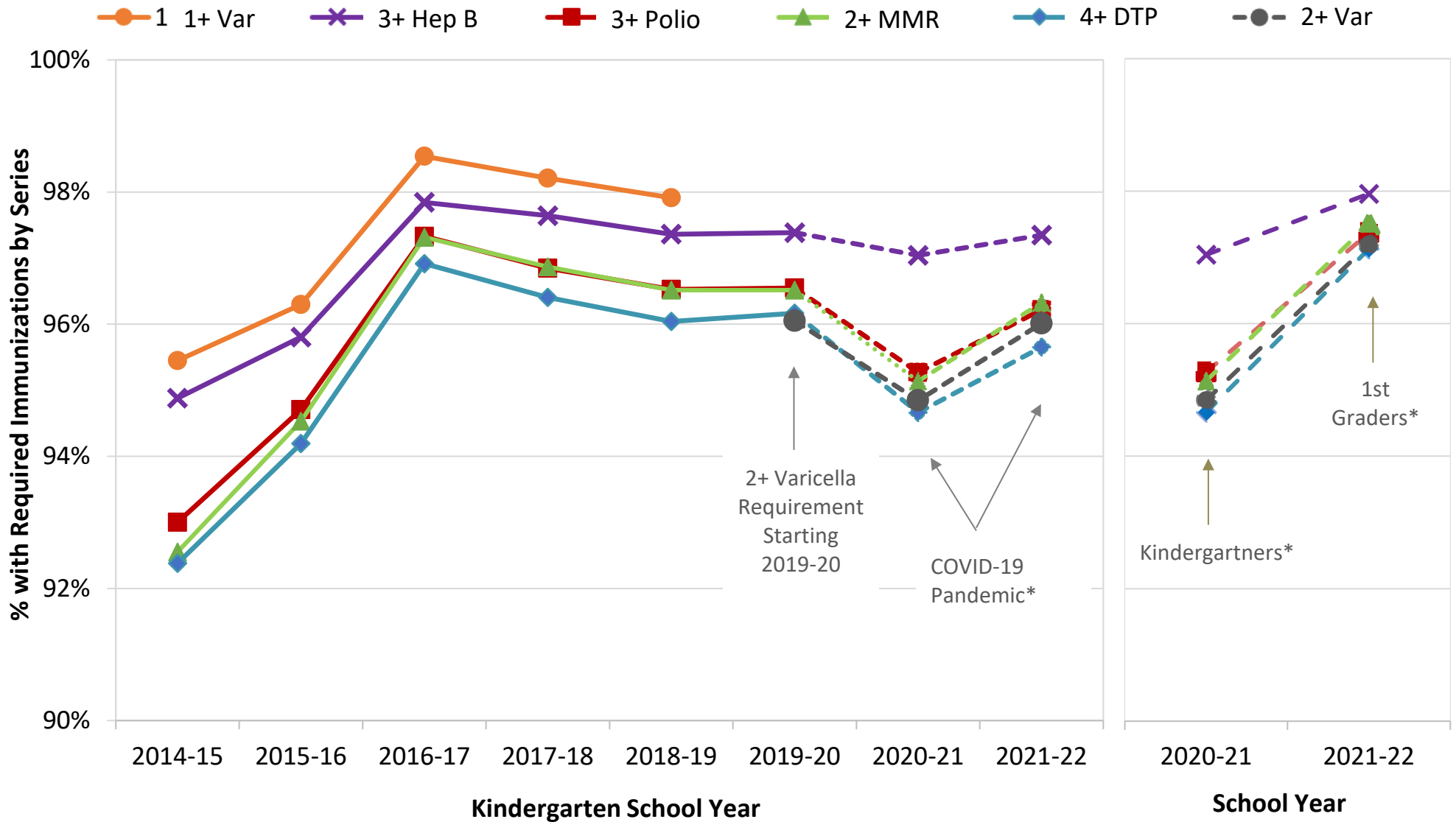
Left: Kindergarteners in the 2014-2015 to 2021-2022 School Years

Right: Kindergarteners in the 2020-2021 School Year and First Graders in the 2021-2022 School Year



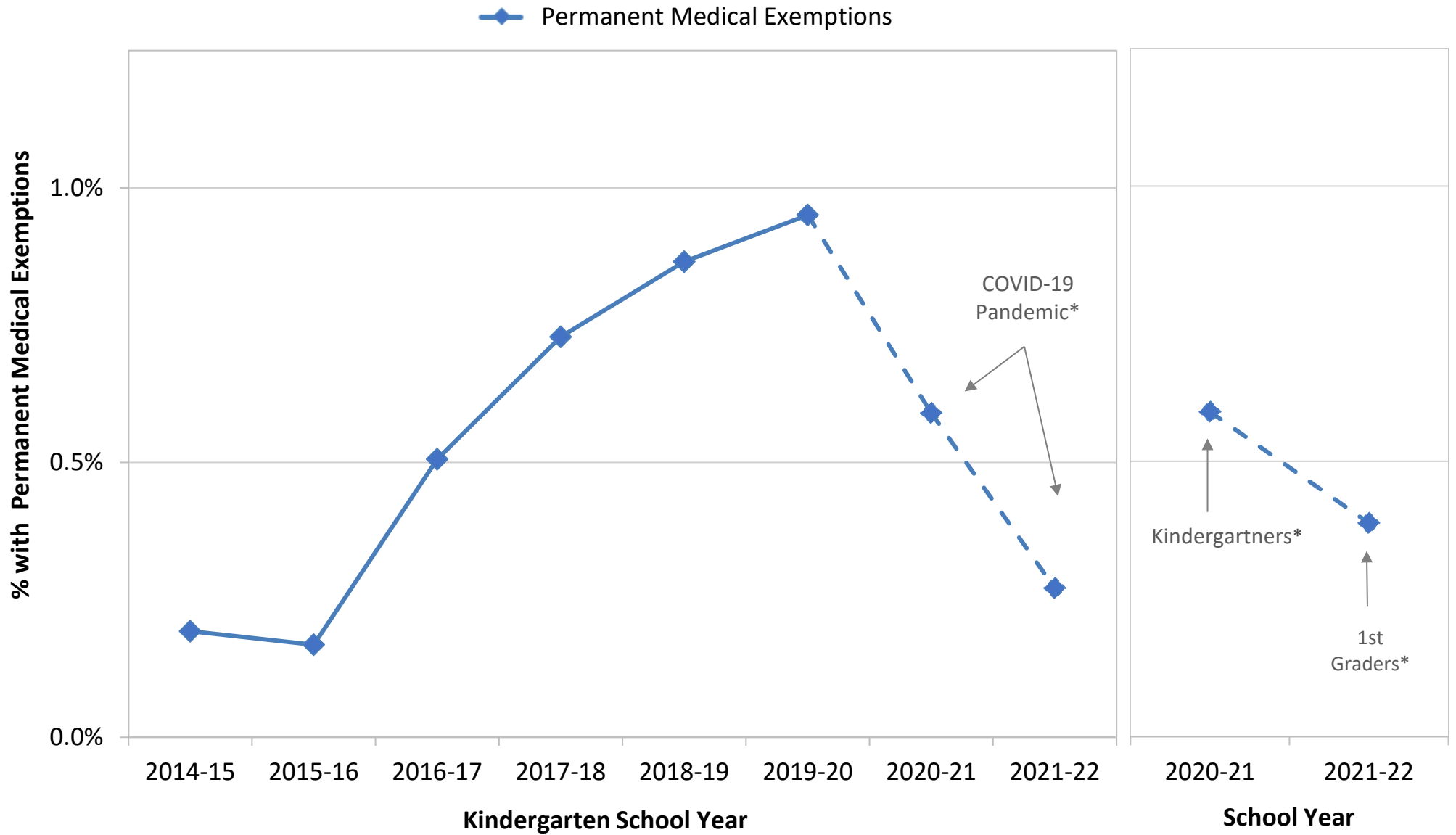
*Immunization and data collection potentially affected by the COVID-19 pandemic.

Figure 2. Percentage of Students with Specific Required Immunizations by Series and School Year
Left: Kindergarteners in the 2014-2015 to 2021-2022 School Years
Right: Kindergarteners in the 2020-2021 School Year and First Graders in the 2021-2022 School Year



*Immunization and data collection potentially affected by the COVID-19 pandemic.

Figure 3. Percentage of Students with Permanent Medical Exemptions (PME) by School Year
Left: Kindergarteners in the 2014-2015 to 2021-2022 School Years
Right: Kindergarteners in the 2020-2021 School Year and First Graders in the 2021-2022 School Year



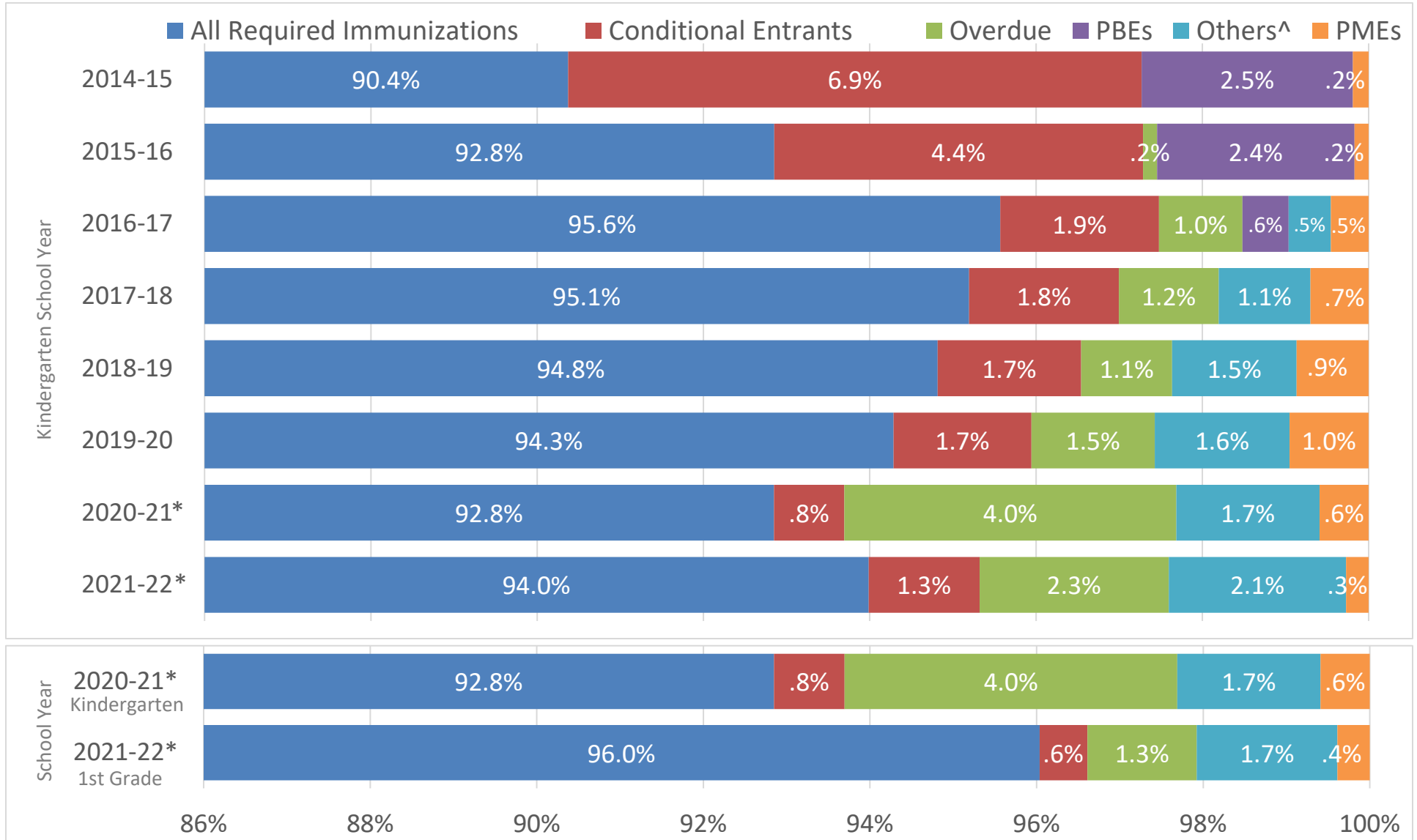
*Immunization and data collection potentially affected by the COVID-19 pandemic.

Figure 4. Percentage of All Kindergarten and First Grade Students by Reported Admission Status by School Year

Top: Kindergarteners in the 2014-2015 to 2021-2022 School Years

Bottom: Kindergarteners in the 2020-2021 School Year and First Graders in the 2021-2022 School Year

In the 2014-2015 and 2015-2016 school years, entrants were subject to AB 2109. Since the 2016-2017 school year, entrants have been subject to SB 277. In the 2019-20 school year, the varicella requirement changed from one or more to two or more doses.



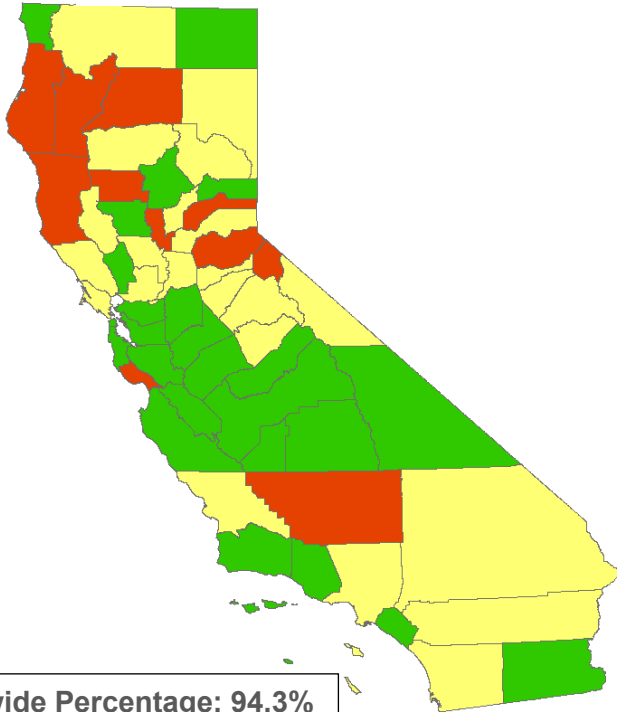
^ Other children lacking required immunizations under criteria specified in SB 277.

*Immunization and data collection potentially affected by the COVID-19 pandemic.

Figure 5. Kindergarten and First Grade Students with All Required Immunizations, by County
Kindergarteners in the 2019-2020 to 2021-2022 School Years
First Graders in the 2021-2022 School Year

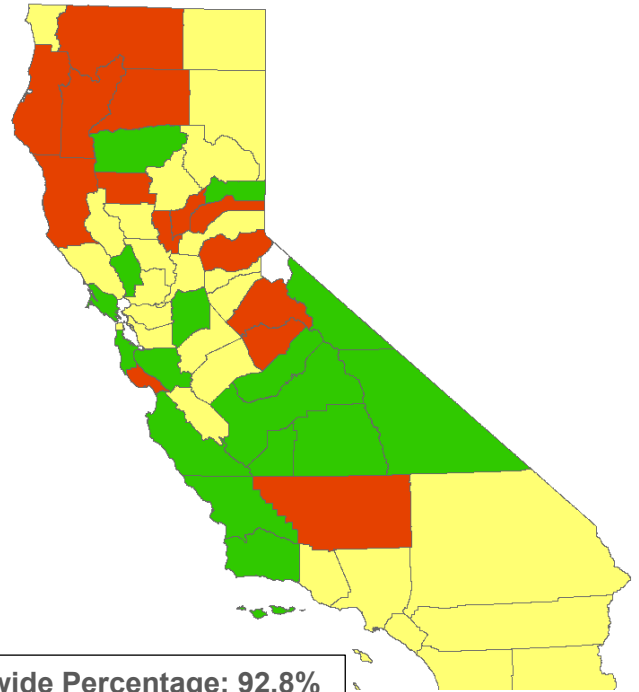


Kindergarten
2019-2020 School Year



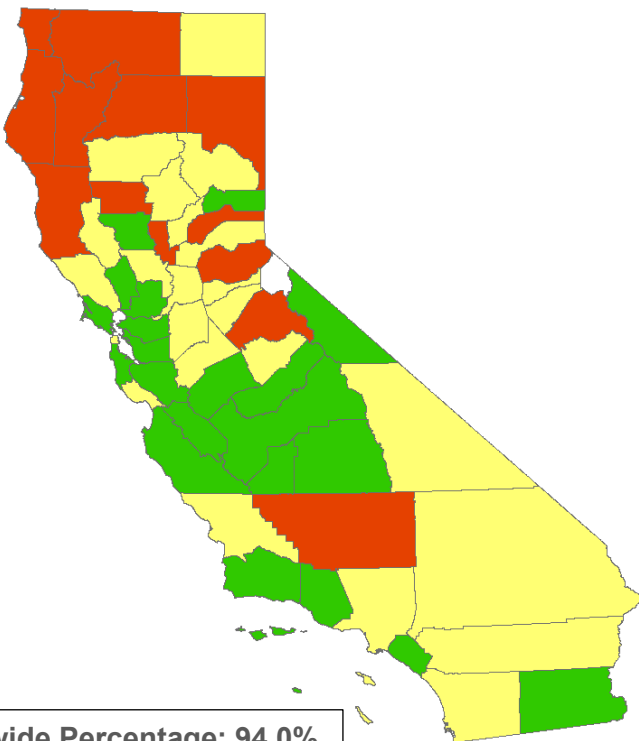
Statewide Percentage: 94.3%

Kindergarten
2020-2021 School Year*



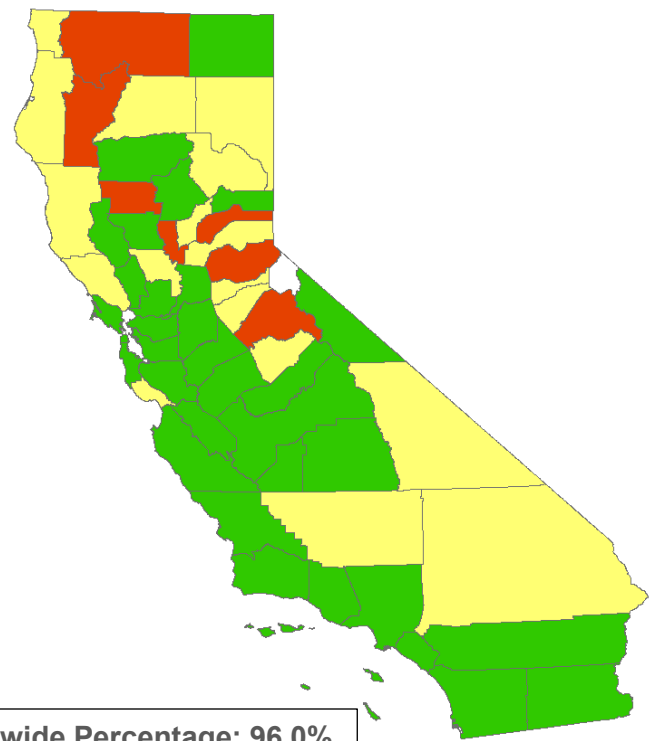
Statewide Percentage: 92.8%

Kindergarten
2021-2022 School Year*



Statewide Percentage: 94.0%

First Grade
2021-2022 School Year*



Statewide Percentage: 96.0%

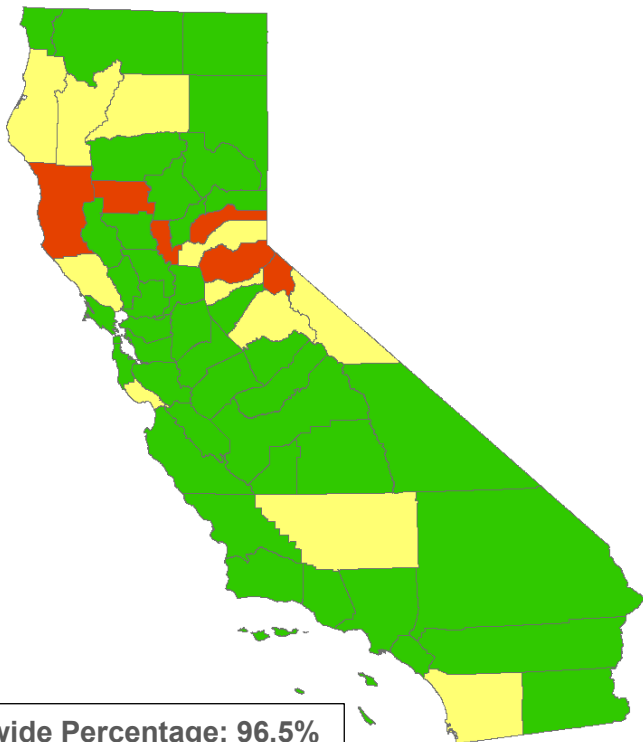
*Immunization and data collection potentially affected by the COVID-19 pandemic.

Figure 6. Kindergarten and First Grade Students with Two or More Doses of MMR Vaccine, by County
 Kindergarteners in the 2019-2020 to 2021-2022 School Years

First Graders in the 2021-2022 School Year

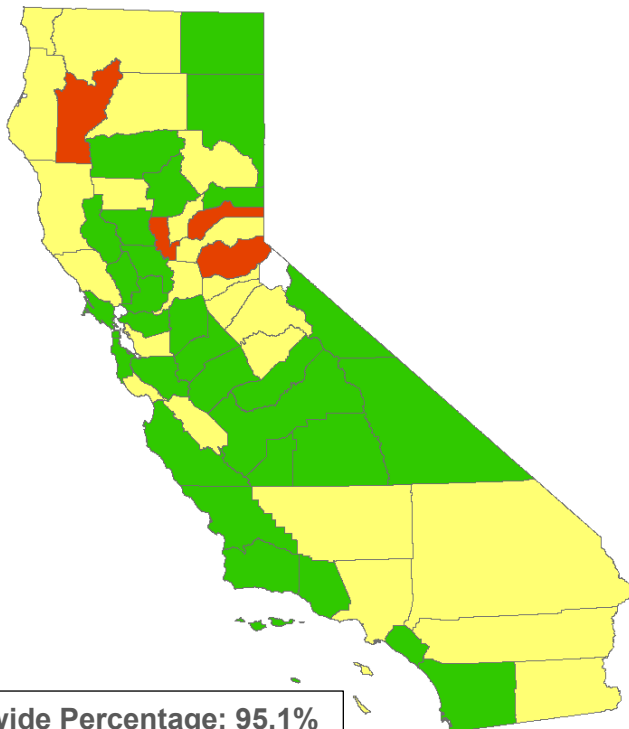


Kindergarten
 2019-2020 School Year



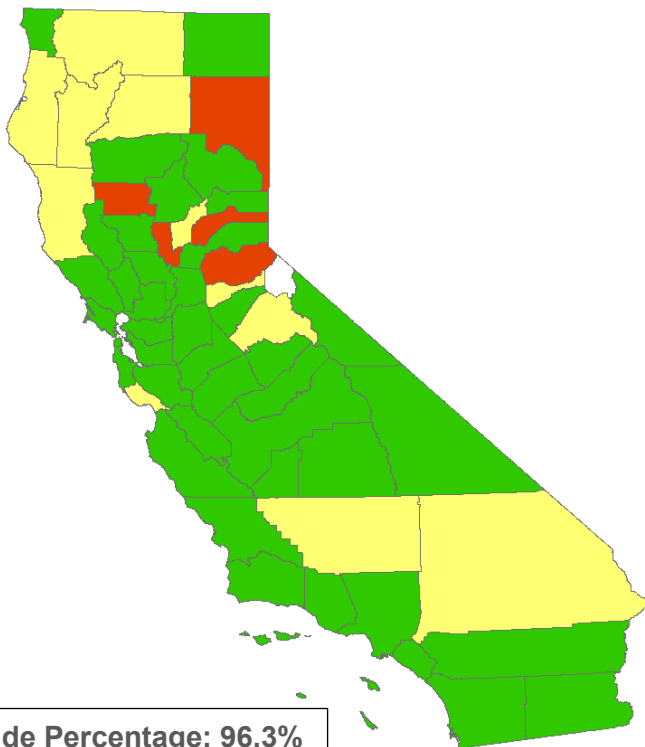
Statewide Percentage: 96.5%

Kindergarten
 2020-2021 School Year*



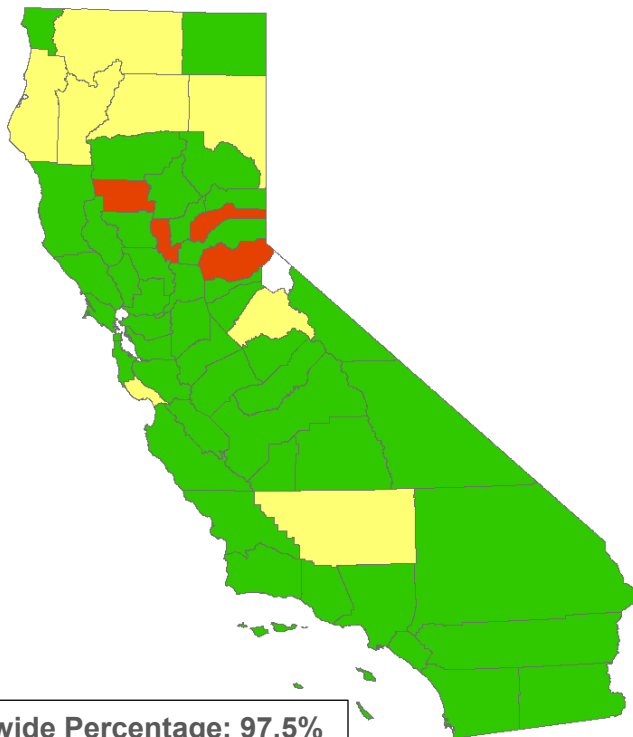
Statewide Percentage: 95.1%

Kindergarten
 2021-2022 School Year*



Statewide Percentage: 96.3%

First Grade
 2021-2022 School Year*



Statewide Percentage: 97.5%

*Immunization and data collection potentially affected by the COVID-19 pandemic.

Table 1: Kindergarten Immunization Assessment Summary, 2019-2020 through 2021-2022 School Years

	Kindergarten									Kindergarten: 2021-22 and 2019-20		
	2021-2022			2020-2021			2019-2020			2-Year Percentage Point Change**		
	All	Public	Private	All	Public	Private	All	Public	Private	All	Public	Private
Number of Schools Reporting Kindergarten*	7,824	6,131	1,693	7,749	6,070	1,679	8,000	6,109	1,891	-2%	0%	-10%
Number of Kindergarten Students	503,722	461,506	42,216	485,538	449,496	36,042	554,250	511,104	43,146	-9%	-10%	-2%
All Required Immunizations	94.0%	94.1%	93.1%	92.8%	92.9%	92.6%	94.3%	94.4%	92.4%	-0.3%	-0.4%	0.7%
Conditional Entrants	1.3%	1.3%	1.8%	0.8%	0.8%	1.7%	1.7%	1.6%	2.4%	-0.3%	-0.3%	-0.6%
Permanent Medical Exemptions	0.3%	0.2%	1.0%	0.6%	0.5%	1.9%	1.0%	0.8%	2.5%	-0.7%	-0.6%	-1.6%
Personal Beliefs Exemptions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Others Lacking immunizations†	2.1%	2.2%	0.9%	1.7%	1.8%	0.9%	1.6%	1.7%	0.3%	0.5%	0.5%	0.5%
Overdue^	2.3%	2.2%	3.3%	4.0%	4.1%	2.8%	1.5%	1.4%	2.3%	0.8%	0.8%	1.0%
4+ DTP	95.7%	95.7%	95.3%	94.7%	94.7%	94.6%	96.2%	96.3%	94.6%	-0.5%	-0.6%	0.7%
3+ Polio	96.2%	96.3%	95.6%	95.2%	95.3%	94.9%	96.5%	96.7%	94.8%	-0.3%	-0.4%	0.8%
2+ MMR	96.3%	96.4%	95.5%	95.1%	95.1%	94.7%	96.5%	96.7%	94.7%	-0.2%	-0.3%	0.8%
3+ Hep B	97.3%	97.4%	97.1%	97.0%	97.1%	96.3%	97.4%	97.5%	96.1%	0.0%	-0.1%	1.0%
2+ Var (or physician-documented disease)^^	96.0%	96.1%	95.3%	94.8%	94.8%	94.6%	96.0%	96.2%	94.4%	0.0%	-0.1%	0.9%

* Number of schools reporting kindergarten students.

** Differences between exact percentages; may vary from the differences between the rounded percentages listed to the left in table.

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more required immunizations.

^^ In the 2019-20 school year, the varicella requirement changed from one or more to two or more doses.

Table 2. Immunization Assessment Summary of Kindergarten in 2020-2021 and Subsequent 1st Grade in 2021-2022

	1st Grade			Kindergarten			1st Grade 2021-22 and Kindergarten 2020-21		
	2021-2022			2020-2021			1-Year Percentage Point Change**		
	All	Public	Private	All	Public	Private	All	Public	Private
Number of Schools Reporting Students*	7,598	6,064	1,534	7,749	6,070	1,679	-2%	0%	-9%
Number of Students	431,819	398,465	33,354	485,538	449,496	36,042	-11%	-11%	-7%
All Required Immunizations	96.0%	96.1%	94.9%	92.8%	92.9%	92.6%	3.2%	3.3%	2.3%
Conditional Entrants	0.6%	0.6%	0.8%	0.8%	0.8%	1.7%	-0.3%	-0.2%	-0.9%
Permanent Medical Exemptions	0.4%	0.3%	1.3%	0.6%	0.5%	1.9%	-0.2%	-0.2%	-0.7%
Personal Beliefs Exemptions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Others Lacking immunizations†	1.7%	1.7%	1.2%	1.7%	1.8%	0.9%	0.0%	-0.1%	0.3%
Overdue^	1.3%	1.3%	1.8%	4.0%	4.1%	2.8%	-2.7%	-2.8%	-1.0%
4+ DTP	97.1%	97.2%	96.4%	94.7%	94.7%	94.6%	2.5%	2.5%	1.7%
3+ Polio	97.4%	97.5%	96.4%	95.2%	95.3%	94.9%	2.1%	2.2%	1.6%
2+ MMR	97.5%	97.6%	96.5%	95.1%	95.1%	94.7%	2.4%	2.5%	1.8%
3+ Hep B	98.0%	98.0%	97.1%	97.0%	97.1%	96.3%	0.9%	0.9%	0.7%
2+ Var (or physician-documented disease)^^	97.2%	97.3%	96.3%	94.8%	94.8%	94.6%	2.4%	2.4%	1.7%

* Number of schools reporting kindergarten students during the 2020-2021 school year and first grade students during the 2021-2022 school year.

** Differences between exact percentages; may vary from the differences between the rounded percentages listed to the left in table.

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more required immunizations.

^^ In the 2019-20 school year, the varicella requirement changed from one or more to two or more doses.

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022

Table 3: Total Enrollment and Admission Status of Kindergarten, 2021-2022, 2020-2021 and 2019-2020 School Years and First Grade, 2021-2022 School Year, By County*

	School Year	Grade	Total Students	Students with All Required Immunizations	Conditional Entrants	Students with a Permanent Medical Exemption	Others Lacking Required Immunizations†	Overdue^
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	96.0%	0.6%	0.4%	1.7%	1.3%
		Kindergarten	503,722	94.0%	1.3%	0.3%	2.1%	2.3%
	2020-21	Kindergarten	485,538	92.8%	0.8%	0.6%	1.7%	4.0%
		2019-20	Kindergarten	554,250	94.3%	1.7%	1.0%	1.6%
ALAMEDA	2021-22	1st Grade	16,710	96.8%	0.4%	0.3%	0.2%	2.3%
		Kindergarten	19,422	95.1%	0.7%	0.4%	0.3%	3.6%
	2020-21	Kindergarten	19,752	90.3%	0.6%	0.3%	0.7%	8.2%
		2019-20	Kindergarten	21,622	96.5%	1.1%	0.7%	0.2%
ALPINE	2021-22	1st Grade	--**	--*	--*	--*	--*	--*
		Kindergarten	--**	--*	--*	--*	--*	--*
	2020-21	Kindergarten	--**	--*	--*	--*	--*	--*
		2019-20	Kindergarten	9	--*	--*	--*	--*
AMADOR	2021-22	1st Grade	350	93.7%	0.6%	0.0%	0.6%	5.1%
		Kindergarten	355	91.0%	0.3%	0.0%	1.4%	7.3%
	2020-21	Kindergarten	367	93.2%	1.4%	1.9%	0.3%	3.3%
		2019-20	Kindergarten	308	91.2%	4.2%	1.9%	0.6%
BUTTE	2021-22	1st Grade	2,248	97.1%	0.6%	0.4%	1.2%	0.7%
		Kindergarten	2,590	94.2%	2.0%	0.2%	2.0%	1.6%
	2020-21	Kindergarten	2,470	94.5%	1.4%	0.9%	1.5%	1.7%
		2019-20	Kindergarten	2,742	95.1%	2.7%	0.8%	1.0%
CALAVERAS	2021-22	1st Grade	407	93.9%	0.0%	0.7%	3.7%	1.7%
		Kindergarten	417	92.8%	1.2%	0.0%	4.1%	1.9%
	2020-21	Kindergarten	362	90.9%	1.7%	0.6%	5.5%	1.4%
		2019-20	Kindergarten	455	93.8%	1.8%	1.5%	1.8%
COLUSA	2021-22	1st Grade	322	≥99.0%	≤1.0%	0.0%	0.0%	0.9%
		Kindergarten	392	98.0%	1.0%	0.3%	0.5%	0.3%
	2020-21	Kindergarten	346	94.5%	0.0%	0.0%	0.0%	5.5%
		2019-20	Kindergarten	372	96.8%	0.3%	0.0%	0.0%
CONTRA COSTA	2021-22	1st Grade	12,459	97.1%	0.6%	0.4%	0.4%	1.5%
		Kindergarten	14,248	95.1%	1.0%	0.2%	0.8%	2.9%
	2020-21	Kindergarten	14,400	94.8%	0.6%	0.5%	0.5%	3.6%
		2019-20	Kindergarten	15,692	96.2%	1.6%	0.8%	0.3%
DEL NORTE	2021-22	1st Grade	282	94.7%	0.4%	1.8%	1.8%	1.4%
		Kindergarten	351	88.6%	2.3%	1.4%	4.6%	3.1%
	2020-21	Kindergarten	282	93.3%	0.7%	2.5%	2.1%	1.4%
		2019-20	Kindergarten	394	97.0%	0.8%	0.0%	0.8%
EL DORADO	2021-22	1st Grade	2,213	85.9%	0.5%	2.2%	10.6%	0.8%
		Kindergarten	2,721	78.2%	1.7%	0.4%	17.2%	2.5%
	2020-21	Kindergarten	2,373	82.0%	1.8%	2.9%	11.6%	1.7%
		2019-20	Kindergarten	2,909	79.7%	2.2%	4.3%	13.5%
FRESNO	2021-22	1st Grade	14,941	97.7%	0.3%	0.1%	1.3%	0.5%
		Kindergarten	16,906	95.6%	0.9%	0.1%	2.0%	1.5%
	2020-21	Kindergarten	16,220	97.3%	0.5%	0.1%	1.3%	0.7%
		2019-20	Kindergarten	18,461	96.4%	1.0%	0.3%	1.6%
GLENN	2021-22	1st Grade	491	88.0%	0.4%	0.0%	11.4%	0.2%
		Kindergarten	572	85.1%	0.5%	0.0%	13.1%	1.2%
	2020-21	Kindergarten	544	88.4%	0.6%	0.2%	8.8%	2.0%
		2019-20	Kindergarten	576	86.1%	1.4%	0.7%	10.9%
HUMBOLDT	2021-22	1st Grade	1,260	90.0%	0.8%	3.4%	2.3%	3.5%
		Kindergarten	1,526	85.5%	2.5%	3.7%	3.0%	5.4%
	2020-21	Kindergarten	1,447	87.8%	1.0%	3.9%	2.0%	5.3%
		2019-20	Kindergarten	1,715	88.0%	2.7%	5.6%	0.7%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022

Table 3: Total Enrollment and Admission Status of Kindergarten, 2021-2022, 2020-2021 and 2019-2020 School Years and First Grade, 2021-2022 School Year, By County*

	School Year	Grade	Total Students	Students with All Required Immunizations	Conditional Entrants	Students with a Permanent Medical Exemption	Others Lacking Required Immunizations†	Overdue^
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	96.0%	0.6%	0.4%	1.7%	1.3%
		Kindergarten	503,722	94.0%	1.3%	0.3%	2.1%	2.3%
	2020-21	Kindergarten	485,538	92.8%	0.8%	0.6%	1.7%	4.0%
		2019-20	Kindergarten	554,250	94.3%	1.7%	1.0%	1.6%
IMPERIAL	2021-22	1st Grade	2,511	96.3%	0.2%	0.2%	0.8%	2.5%
		Kindergarten	2,754	95.2%	1.1%	0.8%	1.0%	1.9%
	2020-21	Kindergarten	2,762	93.2%	1.4%	0.0%	0.7%	4.7%
		2019-20	Kindergarten	3,117	95.7%	2.5%	0.2%	0.4%
INYO	2021-22	1st Grade	207	94.7%	1.0%	0.0%	0.0%	4.3%
		Kindergarten	151	91.4%	0.7%	0.7%	0.0%	7.3%
	2020-21	Kindergarten	187	96.3%	0.5%	0.0%	0.5%	2.7%
		2019-20	Kindergarten	271	97.0%	2.6%	0.4%	0.0%
KERN	2021-22	1st Grade	14,092	91.1%	0.6%	0.3%	6.7%	1.3%
		Kindergarten	16,369	88.2%	1.8%	0.6%	6.7%	2.7%
	2020-21	Kindergarten	15,354	88.0%	1.4%	0.5%	7.2%	3.0%
		2019-20	Kindergarten	18,327	88.6%	1.4%	0.7%	8.0%
KINGS	2021-22	1st Grade	2,055	97.8%	0.5%	0.1%	0.8%	0.8%
		Kindergarten	2,458	96.1%	1.7%	0.1%	1.1%	0.9%
	2020-21	Kindergarten	2,341	97.8%	0.9%	0.3%	0.6%	0.5%
		2019-20	Kindergarten	2,576	96.9%	2.0%	0.2%	0.4%
LAKE	2021-22	1st Grade	754	95.8%	1.5%	0.7%	0.8%	1.3%
		Kindergarten	886	93.9%	3.4%	0.0%	1.0%	1.7%
	2020-21	Kindergarten	768	91.7%	0.9%	0.8%	0.8%	5.9%
		2019-20	Kindergarten	796	90.8%	3.1%	0.8%	0.8%
LASSEN	2021-22	1st Grade	309	92.6%	1.3%	1.0%	1.3%	3.9%
		Kindergarten	315	89.5%	0.6%	0.0%	3.2%	6.7%
	2020-21	Kindergarten	335	92.2%	1.8%	1.2%	1.5%	3.3%
		2019-20	Kindergarten	350	92.0%	5.4%	1.4%	0.9%
LOS ANGELES	2021-22	1st Grade	95,509	96.6%	0.5%	0.3%	0.8%	1.8%
		Kindergarten	116,937	94.3%	1.2%	0.2%	1.2%	3.0%
	2020-21	Kindergarten	114,141	91.6%	0.7%	0.4%	1.1%	6.2%
		2019-20	Kindergarten	133,622	94.5%	1.7%	0.6%	0.8%
MADERA	2021-22	1st Grade	2,328	97.9%	0.2%	0.0%	0.6%	1.3%
		Kindergarten	2,636	95.3%	1.5%	0.1%	0.8%	2.3%
	2020-21	Kindergarten	2,586	96.8%	0.4%	0.2%	0.8%	1.9%
		2019-20	Kindergarten	2,727	96.1%	1.5%	0.3%	0.8%
MARIN	2021-22	1st Grade	2,643	97.7%	0.7%	1.3%	0.1%	0.3%
		Kindergarten	2,847	96.6%	1.8%	0.5%	0.1%	0.9%
	2020-21	Kindergarten	2,832	96.3%	0.7%	2.0%	0.1%	0.9%
		2019-20	Kindergarten	3,252	93.9%	2.3%	2.9%	0.3%
MARIPOSA	2021-22	1st Grade	146	91.1%	2.1%	1.4%	2.1%	3.4%
		Kindergarten	171	91.8%	4.1%	0.6%	0.0%	3.5%
	2020-21	Kindergarten	163	80.4%	4.3%	0.0%	5.5%	9.8%
		2019-20	Kindergarten	160	93.1%	5.6%	0.0%	1.3%
MENDOCINO	2021-22	1st Grade	976	93.0%	1.0%	0.9%	1.0%	4.0%
		Kindergarten	1,183	88.8%	2.6%	0.7%	0.7%	7.3%
	2020-21	Kindergarten	1,084	87.3%	4.5%	2.7%	0.6%	5.0%
		2019-20	Kindergarten	1,218	85.7%	7.2%	3.0%	0.6%
MERCED	2021-22	1st Grade	4,161	97.2%	0.6%	0.1%	0.9%	1.1%
		Kindergarten	5,007	95.4%	1.6%	0.0%	1.3%	1.7%
	2020-21	Kindergarten	4,566	94.4%	1.1%	0.1%	0.6%	3.8%
		2019-20	Kindergarten	5,321	96.7%	1.6%	0.1%	0.6%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022

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	School Year	Grade	Total Students	Students with All Required Immunizations	Conditional Entrants	Students with a Permanent Medical Exemption	Others Lacking Required Immunizations†	Overdue^
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	96.0%	0.6%	0.4%	1.7%	1.3%
		Kindergarten	503,722	94.0%	1.3%	0.3%	2.1%	2.3%
	2020-21	Kindergarten	485,538	92.8%	0.8%	0.6%	1.7%	4.0%
		Kindergarten	554,250	94.3%	1.7%	1.0%	1.6%	1.5%
MODOC	2021-22	1st Grade	120	96.7%	2.5%	0.0%	0.0%	0.8%
		Kindergarten	102	94.1%	2.0%	0.0%	0.0%	3.9%
	2020-21	Kindergarten	117	94.9%	0.9%	0.0%	0.0%	4.3%
		Kindergarten	120	95.8%	0.8%	0.8%	0.0%	2.5%
MONO	2021-22	1st Grade	116	≥99.0%	≤1.0%	0.0%	0.0%	0.0%
		Kindergarten	148	96.6%	2.7%	0.0%	0.7%	0.0%
	2020-21	Kindergarten	124	96.8%	0.8%	0.0%	0.0%	2.4%
		Kindergarten	138	90.6%	5.1%	2.9%	0.0%	1.4%
MONTEREY	2021-22	1st Grade	5,150	98.4%	0.5%	0.2%	0.1%	0.9%
		Kindergarten	6,357	97.5%	0.8%	0.1%	0.2%	1.4%
	2020-21	Kindergarten	6,220	97.4%	0.8%	0.4%	0.2%	1.2%
		Kindergarten	6,733	97.1%	1.4%	0.8%	0.1%	0.6%
NAPA	2021-22	1st Grade	1,449	96.8%	0.4%	0.6%	1.7%	0.6%
		Kindergarten	1,581	96.5%	1.1%	0.3%	0.9%	1.1%
	2020-21	Kindergarten	1,596	95.7%	1.1%	0.9%	1.7%	0.6%
		Kindergarten	1,746	96.6%	0.8%	1.4%	0.3%	0.9%
NEVADA	2021-22	1st Grade	696	84.8%	1.9%	3.7%	6.3%	3.3%
		Kindergarten	927	82.4%	4.2%	2.7%	7.9%	2.8%
	2020-21	Kindergarten	834	81.9%	3.0%	9.0%	3.8%	2.3%
		Kindergarten	985	79.5%	3.4%	13.1%	3.0%	1.0%
ORANGE	2021-22	1st Grade	32,231	97.5%	0.5%	0.4%	0.8%	0.8%
		Kindergarten	38,034	96.0%	1.0%	0.3%	1.2%	1.4%
	2020-21	Kindergarten	36,305	94.7%	0.9%	0.8%	0.8%	2.8%
		Kindergarten	41,381	95.5%	1.5%	1.1%	0.8%	1.1%
PLACER	2021-22	1st Grade	5,261	94.6%	1.1%	1.7%	1.6%	1.0%
		Kindergarten	6,549	92.9%	2.0%	0.8%	2.5%	1.8%
	2020-21	Kindergarten	5,628	92.7%	1.8%	2.2%	0.7%	2.6%
		Kindergarten	6,709	90.5%	2.4%	3.3%	1.3%	2.5%
PLUMAS	2021-22	1st Grade	155	93.5%	1.9%	1.3%	1.9%	1.3%
		Kindergarten	202	91.1%	3.0%	0.5%	3.5%	2.0%
	2020-21	Kindergarten	191	91.1%	0.5%	1.6%	5.8%	1.0%
		Kindergarten	208	92.3%	3.8%	1.4%	0.5%	1.9%
RIVERSIDE	2021-22	1st Grade	29,235	96.0%	0.5%	0.3%	2.1%	1.0%
		Kindergarten	33,796	93.8%	1.6%	0.2%	2.4%	2.1%
	2020-21	Kindergarten	31,555	92.2%	0.7%	0.5%	2.8%	3.8%
		Kindergarten	36,134	93.6%	1.9%	0.9%	2.6%	1.1%
SACRAMENTO	2021-22	1st Grade	18,030	95.0%	1.1%	0.8%	1.5%	1.7%
		Kindergarten	19,897	92.7%	1.9%	0.3%	2.1%	3.0%
	2020-21	Kindergarten	19,509	91.5%	1.1%	0.9%	2.0%	4.5%
		Kindergarten	21,495	93.3%	2.2%	1.6%	1.9%	1.0%
SAN BENITO	2021-22	1st Grade	846	97.8%	0.1%	0.4%	0.0%	1.8%
		Kindergarten	983	97.0%	0.5%	0.2%	0.1%	2.1%
	2020-21	Kindergarten	991	91.2%	1.4%	0.1%	0.0%	7.3%
		Kindergarten	1,099	96.3%	1.3%	0.5%	0.1%	1.8%
SAN BERNARDINO	2021-22	1st Grade	28,985	94.7%	0.5%	0.2%	3.1%	1.5%
		Kindergarten	32,198	92.1%	1.5%	0.2%	3.8%	2.4%
	2020-21	Kindergarten	30,438	90.4%	0.6%	0.3%	2.1%	6.6%
		Kindergarten	34,542	93.9%	1.8%	0.4%	2.5%	1.4%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022

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			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	96.0%	0.6%	0.4%	1.7%	1.3%
		Kindergarten	503,722	94.0%	1.3%	0.3%	2.1%	2.3%
	2020-21	Kindergarten	485,538	92.8%	0.8%	0.6%	1.7%	4.0%
		Kindergarten	554,250	94.3%	1.7%	1.0%	1.6%	1.5%
SAN DIEGO	2021-22	1st Grade	36,235	95.3%	0.7%	0.3%	3.1%	0.6%
		Kindergarten	41,632	93.3%	1.4%	0.2%	3.9%	1.1%
	2020-21	Kindergarten	40,748	93.9%	1.0%	0.7%	3.3%	1.1%
		Kindergarten	45,956	93.0%	1.5%	1.4%	3.6%	0.5%
SAN FRANCISCO	2021-22	1st Grade	5,519	95.6%	0.2%	0.2%	0.1%	3.9%
		Kindergarten	6,068	94.5%	0.7%	0.4%	0.0%	4.4%
	2020-21	Kindergarten	6,325	92.0%	0.3%	0.5%	0.1%	7.1%
		Kindergarten	6,963	95.3%	1.1%	0.7%	0.0%	2.8%
SAN JOAQUIN	2021-22	1st Grade	10,750	96.7%	0.5%	0.1%	2.0%	0.8%
		Kindergarten	11,902	94.9%	1.3%	0.1%	2.3%	1.3%
	2020-21	Kindergarten	10,791	95.1%	1.1%	0.3%	1.8%	1.7%
		Kindergarten	12,320	95.0%	1.7%	0.4%	1.4%	1.4%
SAN LUIS OBISPO	2021-22	1st Grade	2,451	97.1%	0.5%	0.8%	0.7%	0.9%
		Kindergarten	2,846	94.1%	2.0%	0.6%	1.0%	2.2%
	2020-21	Kindergarten	2,466	95.2%	1.3%	0.9%	0.8%	1.9%
		Kindergarten	3,095	94.2%	1.8%	2.2%	0.8%	0.9%
SAN MATEO	2021-22	1st Grade	7,250	97.5%	0.4%	0.3%	0.4%	1.5%
		Kindergarten	8,028	96.4%	0.6%	0.2%	0.6%	2.3%
	2020-21	Kindergarten	8,140	97.1%	0.6%	0.5%	0.3%	1.6%
		Kindergarten	9,168	96.6%	1.3%	0.7%	0.1%	1.3%
SANTA BARBARA	2021-22	1st Grade	5,232	97.2%	0.6%	0.5%	1.2%	0.4%
		Kindergarten	6,066	96.3%	1.1%	0.3%	1.1%	1.2%
	2020-21	Kindergarten	5,473	95.5%	0.7%	0.6%	0.9%	2.3%
		Kindergarten	6,500	96.2%	1.4%	1.4%	0.4%	0.5%
SANTA CLARA	2021-22	1st Grade	19,070	97.6%	0.3%	0.4%	0.4%	1.2%
		Kindergarten	21,901	96.5%	0.8%	0.2%	0.4%	2.0%
	2020-21	Kindergarten	21,759	96.0%	0.6%	0.3%	0.4%	2.6%
		Kindergarten	24,963	96.4%	1.3%	0.7%	0.2%	1.4%
SANTA CRUZ	2021-22	1st Grade	2,938	92.2%	0.8%	0.9%	5.7%	0.4%
		Kindergarten	3,307	91.1%	2.0%	0.3%	5.9%	0.8%
	2020-21	Kindergarten	3,097	88.8%	1.1%	1.7%	6.3%	2.1%
		Kindergarten	3,415	89.3%	2.2%	2.8%	4.6%	1.2%
SHASTA	2021-22	1st Grade	1,959	93.0%	0.7%	1.6%	3.3%	1.4%
		Kindergarten	2,511	89.5%	3.1%	1.0%	3.7%	2.7%
	2020-21	Kindergarten	2,189	88.6%	2.1%	2.5%	3.6%	3.2%
		Kindergarten	2,525	89.5%	3.2%	2.7%	2.9%	1.7%
SIERRA	2021-22	1st Grade	34	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
		Kindergarten	32	96.9%	0.0%	0.0%	0.0%	3.1%
	2020-21	Kindergarten	23	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
		Kindergarten	25	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
SISKIYOU	2021-22	1st Grade	383	88.8%	2.6%	0.3%	6.8%	1.6%
		Kindergarten	500	87.6%	5.2%	0.0%	4.6%	2.6%
	2020-21	Kindergarten	463	89.0%	1.5%	0.4%	6.7%	2.4%
		Kindergarten	530	94.9%	1.9%	1.1%	0.6%	1.5%
SOLANO	2021-22	1st Grade	4,451	98.2%	0.7%	0.2%	0.3%	0.6%
		Kindergarten	5,236	96.5%	1.9%	0.1%	0.5%	1.0%
	2020-21	Kindergarten	5,036	94.7%	1.0%	0.5%	0.5%	3.3%
		Kindergarten	5,966	94.5%	1.5%	0.5%	0.1%	3.4%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022

Table 3: Total Enrollment and Admission Status of Kindergarten, 2021-2022, 2020-2021 and 2019-2020 School Years and First Grade, 2021-2022 School Year, By County*

	School Year	Grade	Total Students	Students with All Required Immunizations	Conditional Entrants	Students with a Permanent Medical Exemption	Others Lacking Required Immunizations†	Overdue^
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	96.0%	0.6%	0.4%	1.7%	1.3%
		Kindergarten	503,722	94.0%	1.3%	0.3%	2.1%	2.3%
	2020-21	Kindergarten	485,538	92.8%	0.8%	0.6%	1.7%	4.0%
		Kindergarten	554,250	94.3%	1.7%	1.0%	1.6%	1.5%
SONOMA	2021-22	1st Grade	4,657	94.0%	1.2%	0.9%	2.1%	1.7%
		Kindergarten	5,931	92.6%	1.6%	0.4%	2.6%	2.7%
	2020-21	Kindergarten	5,566	91.6%	1.1%	1.9%	0.8%	4.6%
		Kindergarten	6,043	92.3%	2.1%	3.1%	0.7%	1.8%
STANISLAUS	2021-22	1st Grade	7,858	96.1%	0.8%	0.2%	1.5%	1.4%
		Kindergarten	8,707	94.0%	1.6%	0.1%	1.9%	2.4%
	2020-21	Kindergarten	8,619	94.5%	1.1%	0.5%	0.4%	3.6%
		Kindergarten	9,366	95.7%	2.0%	0.7%	0.3%	1.4%
SUTTER	2021-22	1st Grade	1,691	81.5%	0.2%	0.7%	17.1%	0.6%
		Kindergarten	2,222	77.5%	1.5%	0.2%	19.7%	1.0%
	2020-21	Kindergarten	1,764	81.7%	0.6%	0.9%	15.1%	1.6%
		Kindergarten	2,017	85.3%	0.6%	0.9%	13.0%	0.1%
TEHAMA	2021-22	1st Grade	834	97.6%	0.4%	0.6%	1.0%	0.5%
		Kindergarten	962	94.6%	2.0%	0.1%	1.0%	2.3%
	2020-21	Kindergarten	838	95.1%	1.6%	0.2%	0.8%	2.3%
		Kindergarten	1,073	93.6%	2.1%	0.7%	1.2%	2.4%
TRINITY	2021-22	1st Grade	115	88.7%	0.9%	4.3%	1.7%	4.3%
		Kindergarten	117	89.7%	5.1%	0.0%	0.9%	4.3%
	2020-21	Kindergarten	134	85.8%	3.0%	4.5%	1.5%	5.2%
		Kindergarten	138	87.0%	4.3%	5.1%	0.7%	2.9%
TULARE	2021-22	1st Grade	7,322	97.8%	0.3%	0.2%	1.2%	0.5%
		Kindergarten	8,542	96.1%	1.0%	0.1%	1.7%	1.2%
	2020-21	Kindergarten	8,344	96.6%	0.4%	0.2%	1.3%	1.4%
		Kindergarten	9,535	96.5%	1.2%	0.2%	1.8%	0.3%
TUOLUMNE	2021-22	1st Grade	469	89.1%	4.7%	1.3%	3.2%	1.7%
		Kindergarten	566	86.9%	2.1%	6.2%	2.1%	2.7%
	2020-21	Kindergarten	474	81.9%	8.6%	2.3%	3.6%	3.6%
		Kindergarten	584	90.2%	3.6%	3.6%	1.4%	1.2%
VENTURA	2021-22	1st Grade	9,403	96.9%	0.6%	0.5%	1.4%	0.7%
		Kindergarten	10,540	95.1%	1.4%	0.2%	1.6%	1.7%
	2020-21	Kindergarten	10,410	94.9%	1.1%	0.7%	1.3%	2.1%
		Kindergarten	11,466	95.5%	1.7%	1.1%	0.6%	1.1%
YOLO	2021-22	1st Grade	2,383	94.6%	0.9%	0.5%	2.0%	2.0%
		Kindergarten	2,746	94.1%	0.9%	0.3%	2.4%	2.3%
	2020-21	Kindergarten	2,535	92.6%	0.9%	0.6%	2.4%	3.6%
		Kindergarten	2,959	94.3%	2.0%	1.6%	0.9%	1.1%
YUBA	2021-22	1st Grade	1,167	94.3%	2.2%	0.1%	1.4%	2.0%
		Kindergarten	1,372	90.3%	4.7%	0.3%	2.3%	2.3%
	2020-21	Kindergarten	1,154	88.8%	0.9%	0.1%	3.0%	7.2%
		Kindergarten	1,361	92.8%	2.4%	0.4%	2.1%	2.2%

* Additional precautions for student de-identification are based on jurisdiction enrollment for kindergarten. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%; 100 or more enrollees, values of 99% or higher are listed as ≥99%.

** Schools did not report.

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more required immunizations.

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022
 Table 4: Total Enrollment and Specific Required Immunizations by Series,
 Kindergarten, 2021-2022, 2020-2021, 2019-2020 and First Grade, 2021-2022, By County*

	School Year	Grade	Total Students	DTP 4+	Polio 3+	MMR 2+	HepB 3+	Var 2+	
			Number	Percent	Percent	Percent	Percent	Percent	
STATE TOTAL	2021-22	1st Grade	431,819	97.1%	97.4%	97.5%	98.0%	97.2%	
		Kindergarten	503,722	95.7%	96.2%	96.3%	97.3%	96.0%	
	2020-21	Kindergarten	485,538	94.7%	95.2%	95.1%	97.0%	94.8%	
		2019-20	Kindergarten	554,250	96.2%	96.5%	96.5%	97.4%	96.0%
			Kindergarten	554,250	96.2%	96.5%	96.5%	97.4%	96.0%
ALAMEDA	2021-22	1st Grade	16,710	98.0%	98.3%	98.4%	98.6%	97.7%	
		Kindergarten	19,422	96.7%	97.2%	97.2%	97.8%	96.6%	
	2020-21	Kindergarten	19,752	92.0%	92.5%	92.6%	93.5%	92.2%	
		2019-20	Kindergarten	21,622	98.1%	98.4%	98.5%	98.7%	97.7%
			Kindergarten	21,622	98.1%	98.4%	98.5%	98.7%	97.7%
ALPINE	2021-22	1st Grade	--*	--*	--*	--*	--*	--*	
		Kindergarten	--*	--*	--*	--*	--*		
	2020-21	Kindergarten	--*	--*	--*	--*	--*		
		2019-20	Kindergarten	9	--*	--*	--*	--*	
			Kindergarten	9	--*	--*	--*	--*	
AMADOR	2021-22	1st Grade	350	94.6%	95.7%	96.3%	96.6%	95.4%	
		Kindergarten	355	91.5%	93.2%	94.1%	97.2%	93.5%	
	2020-21	Kindergarten	367	94.6%	94.8%	94.6%	96.7%	94.3%	
		2019-20	Kindergarten	308	93.8%	95.1%	94.5%	94.8%	93.2%
			Kindergarten	308	93.8%	95.1%	94.5%	94.8%	93.2%
BUTTE	2021-22	1st Grade	2,248	97.8%	98.1%	98.1%	98.5%	97.9%	
		Kindergarten	2,590	95.9%	96.9%	97.9%	97.8%	97.2%	
	2020-21	Kindergarten	2,470	96.0%	96.3%	97.0%	98.0%	97.0%	
		2019-20	Kindergarten	2,742	96.5%	97.2%	97.5%	97.8%	97.2%
			Kindergarten	2,742	96.5%	97.2%	97.5%	97.8%	97.2%
CALAVERAS	2021-22	1st Grade	407	95.1%	95.8%	95.8%	97.1%	95.3%	
		Kindergarten	417	93.8%	94.2%	96.4%	96.9%	95.9%	
	2020-21	Kindergarten	362	92.8%	93.4%	92.8%	95.6%	92.3%	
		2019-20	Kindergarten	455	95.4%	95.4%	95.6%	96.9%	94.9%
			Kindergarten	455	95.4%	95.4%	95.6%	96.9%	94.9%
COLUSA	2021-22	1st Grade	322	≥99.0%	≥99.0%	≥99.0%	≥99.0%	≥99.0%	
		Kindergarten	392	98.5%	≥99.0%	≥99.0%	≥99.0%	≥99.0%	
	2020-21	Kindergarten	346	97.1%	96.8%	96.5%	98.0%	96.5%	
		2019-20	Kindergarten	372	≥99.0%	≥99.0%	≥99.0%	≥99.0%	97.6%
			Kindergarten	372	≥99.0%	≥99.0%	≥99.0%	≥99.0%	97.6%
CONTRA COSTA	2021-22	1st Grade	12,459	98.0%	98.4%	98.5%	98.7%	98.1%	
		Kindergarten	14,248	96.9%	97.3%	97.5%	98.2%	97.0%	
	2020-21	Kindergarten	14,400	96.2%	96.7%	96.4%	98.2%	96.3%	
		2019-20	Kindergarten	15,692	97.5%	97.8%	97.9%	98.5%	97.5%
			Kindergarten	15,692	97.5%	97.8%	97.9%	98.5%	97.5%
DEL NORTE	2021-22	1st Grade	282	95.0%	95.7%	96.1%	96.8%	95.4%	
		Kindergarten	351	94.0%	95.4%	95.2%	97.2%	90.3%	
	2020-21	Kindergarten	282	93.3%	94.0%	94.3%	96.5%	94.3%	
		2019-20	Kindergarten	394	98.0%	≥99.0%	98.5%	98.7%	98.2%
			Kindergarten	394	98.0%	≥99.0%	98.5%	98.7%	98.2%
EL DORADO	2021-22	1st Grade	2,213	90.0%	90.1%	89.3%	91.1%	89.0%	
		Kindergarten	2,721	83.9%	84.0%	83.6%	87.0%	82.7%	
	2020-21	Kindergarten	2,373	84.7%	85.3%	84.8%	88.2%	85.0%	
		2019-20	Kindergarten	2,909	82.4%	83.3%	82.6%	86.6%	81.7%
			Kindergarten	2,909	82.4%	83.3%	82.6%	86.6%	81.7%
FRESNO	2021-22	1st Grade	14,941	98.6%	98.8%	98.8%	≥99.0%	98.7%	
		Kindergarten	16,906	97.0%	97.4%	97.5%	98.0%	97.4%	
	2020-21	Kindergarten	16,220	97.9%	98.3%	98.3%	98.8%	98.2%	
		2019-20	Kindergarten	18,461	97.3%	97.7%	97.9%	98.4%	97.7%
			Kindergarten	18,461	97.3%	97.7%	97.9%	98.4%	97.7%
GLENN	2021-22	1st Grade	491	89.0%	88.8%	89.4%	90.0%	88.4%	
		Kindergarten	572	87.2%	88.1%	87.4%	89.5%	86.2%	
	2020-21	Kindergarten	544	89.9%	89.9%	90.6%	92.3%	89.7%	
		2019-20	Kindergarten	576	87.8%	88.5%	88.5%	90.8%	88.0%
			Kindergarten	576	87.8%	88.5%	88.5%	90.8%	88.0%
HUMBOLDT	2021-22	1st Grade	1,260	93.1%	93.3%	93.7%	94.0%	93.8%	
		Kindergarten	1,526	91.1%	90.9%	91.5%	92.7%	91.6%	
	2020-21	Kindergarten	1,447	92.7%	92.5%	92.6%	93.8%	92.0%	
		2019-20	Kindergarten	1,715	92.2%	92.0%	92.3%	92.2%	91.5%
			Kindergarten	1,715	92.2%	92.0%	92.3%	92.2%	91.5%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022
 Table 4: Total Enrollment and Specific Required Immunizations by Series,
 Kindergarten, 2021-2022, 2020-2021, 2019-2020 and First Grade, 2021-2022, By County*

	School Year	Grade	Total Students	DTP 4+	Polio 3+	MMR 2+	HepB 3+	Var 2+
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	97.1%	97.4%	97.5%	98.0%	97.2%
		Kindergarten	503,722	95.7%	96.2%	96.3%	97.3%	96.0%
	2020-21	Kindergarten	485,538	94.7%	95.2%	95.1%	97.0%	94.8%
IMPERIAL	2021-22	1st Grade	2,511	98.1%	98.0%	98.5%	≥99.0%	98.6%
		Kindergarten	2,754	96.4%	97.4%	97.2%	≥99.0%	98.0%
	2020-21	Kindergarten	2,762	95.4%	97.1%	94.8%	98.3%	96.1%
	2019-20	Kindergarten	3,117	97.9%	98.8%	98.0%	≥99.0%	97.9%
INYO	2021-22	1st Grade	207	96.1%	96.6%	95.2%	≥99.0%	96.1%
		Kindergarten	151	94.7%	94.0%	95.4%	98.0%	94.7%
	2020-21	Kindergarten	187	97.9%	98.4%	96.8%	98.9%	96.8%
KERN	2021-22	1st Grade	14,092	92.7%	93.2%	93.5%	95.1%	92.9%
		Kindergarten	16,369	90.1%	91.3%	91.6%	93.7%	91.6%
	2020-21	Kindergarten	15,354	89.9%	91.0%	90.9%	94.1%	90.4%
KINGS	2021-22	1st Grade	2,055	98.5%	98.7%	98.7%	≥99.0%	98.3%
		Kindergarten	2,458	96.9%	98.3%	98.1%	98.6%	97.8%
	2020-21	Kindergarten	2,341	98.4%	98.5%	98.6%	≥99.0%	98.6%
	2019-20	Kindergarten	2,576	97.8%	98.9%	≥99.0%	≥99.0%	98.7%
LAKE	2021-22	1st Grade	754	96.9%	97.1%	97.9%	98.1%	97.3%
		Kindergarten	886	95.4%	96.5%	97.0%	97.9%	97.4%
	2020-21	Kindergarten	768	93.6%	95.2%	95.6%	96.6%	95.2%
	2019-20	Kindergarten	796	92.7%	94.7%	95.4%	96.7%	95.1%
LASSEN	2021-22	1st Grade	309	93.5%	94.5%	94.8%	93.2%	94.8%
		Kindergarten	315	89.8%	90.5%	89.8%	91.1%	89.8%
	2020-21	Kindergarten	335	93.1%	94.6%	95.5%	95.2%	94.6%
	2019-20	Kindergarten	350	94.0%	96.3%	96.3%	96.3%	94.9%
LOS ANGELES	2021-22	1st Grade	95,509	97.9%	98.0%	98.1%	98.6%	97.7%
		Kindergarten	116,937	96.3%	96.6%	96.7%	98.0%	96.3%
	2020-21	Kindergarten	114,141	94.0%	94.5%	94.4%	97.3%	93.9%
MADERA	2021-22	1st Grade	2,328	98.2%	98.2%	98.4%	98.7%	98.4%
		Kindergarten	2,636	96.7%	97.3%	97.5%	97.8%	97.7%
	2020-21	Kindergarten	2,586	97.4%	97.6%	97.8%	97.9%	97.6%
	2019-20	Kindergarten	2,727	97.2%	97.7%	98.0%	98.1%	97.8%
MARIN	2021-22	1st Grade	2,643	98.6%	98.6%	98.6%	98.7%	98.3%
		Kindergarten	2,847	98.5%	98.6%	≥99.0%	98.5%	98.3%
	2020-21	Kindergarten	2,832	97.4%	97.6%	97.7%	97.9%	97.2%
	2019-20	Kindergarten	3,252	96.0%	96.6%	96.9%	96.8%	95.8%
MARIPOSA	2021-22	1st Grade	146	92.5%	95.2%	95.9%	95.9%	93.8%
		Kindergarten	171	93.6%	97.7%	97.7%	97.1%	95.3%
	2020-21	Kindergarten	163	87.1%	89.0%	90.2%	92.0%	89.0%
	2019-20	Kindergarten	160	95.0%	95.6%	95.6%	97.5%	95.6%
MENDOCINO	2021-22	1st Grade	976	94.6%	95.5%	96.2%	96.1%	95.5%
		Kindergarten	1,183	92.1%	93.7%	93.7%	94.3%	92.6%
	2020-21	Kindergarten	1,084	90.6%	91.4%	91.9%	92.7%	90.6%
	2019-20	Kindergarten	1,218	88.8%	89.9%	89.7%	89.7%	88.7%
MERCED	2021-22	1st Grade	4,161	98.2%	98.3%	98.5%	≥99.0%	98.1%
		Kindergarten	5,007	96.7%	97.4%	97.4%	98.4%	97.2%
	2020-21	Kindergarten	4,566	96.0%	96.5%	96.8%	98.9%	96.4%
	2019-20	Kindergarten	5,321	97.6%	98.7%	98.7%	≥99.0%	98.2%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022
Table 4: Total Enrollment and Specific Required Immunizations by Series,
Kindergarten, 2021-2022, 2020-2021, 2019-2020 and First Grade, 2021-2022, By County*

	School Year	Grade	Total Students	DTP 4+	Polio 3+	MMR 2+	HepB 3+	Var 2+
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	97.1%	97.4%	97.5%	98.0%	97.2%
		Kindergarten	503,722	95.7%	96.2%	96.3%	97.3%	96.0%
	2020-21	Kindergarten	485,538	94.7%	95.2%	95.1%	97.0%	94.8%
		Kindergarten	554,250	96.2%	96.5%	96.5%	97.4%	96.0%
MODOC	2021-22	1st Grade	120	96.7%	98.3%	≥99.0%	≥99.0%	≥99.0%
		Kindergarten	102	94.1%	98.0%	98.0%	≥99.0%	≥99.0%
	2020-21	Kindergarten	117	97.4%	96.6%	96.6%	≥99.0%	96.6%
		Kindergarten	120	96.7%	96.7%	97.5%	≥99.0%	96.7%
MONO	2021-22	1st Grade	116	≥99.0%	≥99.0%	≥99.0%	≥99.0%	≥99.0%
		Kindergarten	148	98.0%	98.0%	≥99.0%	98.0%	98.6%
	2020-21	Kindergarten	124	≥99.0%	≥99.0%	≥99.0%	≥99.0%	97.6%
		Kindergarten	138	92.0%	90.6%	92.8%	92.0%	92.8%
MONTEREY	2021-22	1st Grade	5,150	≥99.0%	≥99.0%	≥99.0%	≥99.0%	98.9%
		Kindergarten	6,357	98.6%	98.7%	98.8%	≥99.0%	98.5%
	2020-21	Kindergarten	6,220	98.4%	98.6%	98.8%	≥99.0%	98.6%
		Kindergarten	6,733	98.2%	98.4%	98.6%	98.8%	98.2%
NAPA	2021-22	1st Grade	1,449	≥99.0%	97.5%	≥99.0%	98.8%	98.9%
		Kindergarten	1,581	98.5%	98.0%	98.8%	≥99.0%	98.7%
	2020-21	Kindergarten	1,596	96.6%	96.5%	96.7%	96.9%	96.6%
		Kindergarten	1,746	98.3%	98.3%	98.0%	97.8%	97.9%
NEVADA	2021-22	1st Grade	696	86.5%	87.1%	87.1%	87.9%	86.6%
		Kindergarten	927	86.3%	87.1%	86.9%	89.1%	86.9%
	2020-21	Kindergarten	834	84.8%	84.9%	85.4%	87.9%	85.0%
		Kindergarten	985	83.5%	83.1%	83.2%	83.6%	81.5%
ORANGE	2021-22	1st Grade	32,231	98.3%	98.5%	98.5%	98.9%	98.3%
		Kindergarten	38,034	97.3%	97.8%	97.7%	98.7%	97.4%
	2020-21	Kindergarten	36,305	96.2%	96.9%	96.8%	98.3%	96.6%
		Kindergarten	41,381	97.2%	97.5%	97.4%	98.1%	97.1%
PLACER	2021-22	1st Grade	5,261	95.8%	96.0%	96.3%	96.6%	96.1%
		Kindergarten	6,549	94.5%	95.1%	95.4%	96.0%	95.1%
	2020-21	Kindergarten	5,628	94.1%	94.9%	94.6%	96.0%	94.3%
		Kindergarten	6,709	93.9%	94.5%	93.7%	95.0%	93.3%
PLUMAS	2021-22	1st Grade	155	96.1%	96.8%	96.8%	97.4%	96.1%
		Kindergarten	202	96.0%	95.5%	96.0%	96.5%	93.6%
	2020-21	Kindergarten	191	93.7%	93.7%	94.8%	97.9%	93.7%
		Kindergarten	208	96.2%	95.2%	96.6%	96.6%	93.8%
RIVERSIDE	2021-22	1st Grade	29,235	97.0%	97.5%	97.5%	97.9%	97.4%
		Kindergarten	33,796	95.3%	96.2%	96.4%	97.4%	96.3%
	2020-21	Kindergarten	31,555	94.2%	95.1%	94.6%	97.1%	94.7%
		Kindergarten	36,134	95.1%	95.7%	95.8%	96.1%	95.3%
SACRAMENTO	2021-22	1st Grade	18,030	96.1%	96.7%	97.1%	97.5%	96.7%
		Kindergarten	19,897	94.3%	95.5%	95.8%	96.5%	95.6%
	2020-21	Kindergarten	19,509	93.7%	94.6%	94.5%	96.3%	94.2%
		Kindergarten	21,495	95.0%	95.9%	95.8%	96.5%	95.5%
SAN BENITO	2021-22	1st Grade	846	98.1%	98.6%	≥99.0%	≥99.0%	98.9%
		Kindergarten	983	98.0%	98.3%	98.9%	≥99.0%	98.8%
	2020-21	Kindergarten	991	93.8%	93.8%	93.8%	98.3%	95.8%
		Kindergarten	1,099	97.8%	97.8%	97.4%	98.7%	97.9%
SAN BERNARDINO	2021-22	1st Grade	28,985	95.7%	96.1%	96.3%	97.0%	96.0%
		Kindergarten	32,198	93.9%	94.8%	94.9%	96.1%	94.8%
	2020-21	Kindergarten	30,438	92.6%	93.2%	93.1%	96.2%	93.0%
		Kindergarten	34,542	95.2%	96.0%	96.2%	97.5%	96.1%

Kindergarten and 1st Grade Immunization Assessment - California, 2021-2022
 Table 4: Total Enrollment and Specific Required Immunizations by Series,
 Kindergarten, 2021-2022, 2020-2021, 2019-2020 and First Grade, 2021-2022, By County*

	School Year	Grade	Total Students	DTP 4+	Polio 3+	MMR 2+	HepB 3+	Var 2+
			Number	Percent	Percent	Percent	Percent	Percent
STATE TOTAL	2021-22	1st Grade	431,819	97.1%	97.4%	97.5%	98.0%	97.2%
		Kindergarten	503,722	95.7%	96.2%	96.3%	97.3%	96.0%
	2020-21	Kindergarten	485,538	94.7%	95.2%	95.1%	97.0%	94.8%
		2019-20	Kindergarten	554,250	96.2%	96.5%	96.5%	97.4%
SAN DIEGO	2021-22	1st Grade	36,235	96.3%	96.5%	96.6%	97.1%	96.3%
		Kindergarten	41,632	94.7%	95.3%	95.3%	96.4%	94.9%
	2020-21	Kindergarten	40,748	95.2%	95.6%	95.4%	96.7%	95.2%
		2019-20	Kindergarten	45,956	94.5%	94.9%	94.8%	95.5%
SAN FRANCISCO	2021-22	1st Grade	5,519	96.6%	96.9%	97.3%	97.4%	97.8%
		Kindergarten	6,068	95.9%	96.3%	96.4%	97.0%	95.8%
	2020-21	Kindergarten	6,325	94.2%	94.9%	95.1%	95.5%	94.8%
		2019-20	Kindergarten	6,963	97.3%	97.7%	97.6%	97.9%
SAN JOAQUIN	2021-22	1st Grade	10,750	97.3%	97.8%	97.8%	98.4%	97.8%
		Kindergarten	11,902	96.1%	96.6%	96.8%	97.8%	96.7%
	2020-21	Kindergarten	10,791	96.3%	97.3%	97.0%	98.4%	96.8%
		2019-20	Kindergarten	12,320	96.5%	97.5%	97.5%	98.5%
SAN LUIS OBISPO	2021-22	1st Grade	2,451	98.0%	97.9%	98.3%	98.8%	98.2%
		Kindergarten	2,846	95.7%	96.3%	96.2%	97.8%	96.4%
	2020-21	Kindergarten	2,466	96.8%	96.8%	96.9%	98.3%	96.6%
		2019-20	Kindergarten	3,095	95.9%	96.3%	96.2%	97.2%
SAN MATEO	2021-22	1st Grade	7,250	98.6%	98.9%	98.9%	98.9%	98.2%
		Kindergarten	8,028	97.8%	98.4%	98.2%	98.7%	97.5%
	2020-21	Kindergarten	8,140	98.1%	98.5%	98.3%	≥99.0%	97.9%
		2019-20	Kindergarten	9,168	97.9%	98.1%	98.1%	98.6%
SANTA BARBARA	2021-22	1st Grade	5,232	98.2%	98.4%	98.5%	98.6%	98.0%
		Kindergarten	6,066	97.6%	97.8%	98.0%	98.4%	97.5%
	2020-21	Kindergarten	5,473	96.7%	97.4%	97.0%	98.1%	96.7%
		2019-20	Kindergarten	6,500	97.6%	98.0%	97.9%	98.2%
SANTA CLARA	2021-22	1st Grade	19,070	98.5%	98.7%	98.7%	98.9%	98.3%
		Kindergarten	21,901	97.8%	98.3%	98.1%	98.7%	97.8%
	2020-21	Kindergarten	21,759	97.3%	97.7%	97.6%	98.6%	97.1%
		2019-20	Kindergarten	24,963	98.1%	98.5%	98.2%	98.8%
SANTA CRUZ	2021-22	1st Grade	2,938	93.9%	93.6%	93.9%	94.6%	93.5%
		Kindergarten	3,307	93.5%	93.3%	94.1%	94.6%	93.5%
	2020-21	Kindergarten	3,097	93.3%	93.3%	92.2%	93.5%	92.4%
		2019-20	Kindergarten	3,415	92.4%	92.4%	92.6%	93.1%
SHASTA	2021-22	1st Grade	1,959	94.2%	94.6%	94.8%	95.5%	94.8%
		Kindergarten	2,511	91.0%	92.0%	92.6%	94.5%	92.9%
	2020-21	Kindergarten	2,189	91.2%	92.3%	91.9%	94.7%	92.1%
		2019-20	Kindergarten	2,525	93.1%	93.3%	93.8%	95.2%
SIERRA	2021-22	1st Grade	34	≥99.0%	≥99.0%	≥99.0%	≥99.0%	≥99.0%
		Kindergarten	32	≥99.0%	≥99.0%	96.9%	≥99.0%	≥99.0%
	2020-21	Kindergarten	23	≥99.0%	≥99.0%	≥99.0%	≥99.0%	≥99.0%
		2019-20	Kindergarten	25	≥99.0%	≥99.0%	≥99.0%	≥99.0%
SISKIYOU	2021-22	1st Grade	383	94.0%	92.7%	93.7%	95.0%	93.7%
		Kindergarten	500	92.4%	93.0%	93.0%	93.8%	93.8%
	2020-21	Kindergarten	463	91.1%	91.6%	90.7%	91.6%	91.8%
		2019-20	Kindergarten	530	97.2%	97.4%	97.5%	97.7%
SOLANO	2021-22	1st Grade	4,451	98.8%	≥99.0%	≥99.0%	≥99.0%	98.9%
		Kindergarten	5,236	97.6%	98.2%	98.3%	98.7%	98.0%
	2020-21	Kindergarten	5,036	96.4%	97.3%	96.7%	98.0%	96.5%
		2019-20	Kindergarten	5,966	97.3%	98.0%	98.1%	98.4%

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	School Year	Grade	Total Students	DTP 4+	Polio 3+	MMR 2+	HepB 3+	Var 2+
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STATE TOTAL	2021-22	1st Grade	431,819	97.1%	97.4%	97.5%	98.0%	97.2%
		Kindergarten	503,722	95.7%	96.2%	96.3%	97.3%	96.0%
	2020-21	Kindergarten	485,538	94.7%	95.2%	95.1%	97.0%	94.8%
SONOMA	2021-22	1st Grade	4,657	95.7%	96.0%	96.3%	96.4%	95.7%
		Kindergarten	5,931	94.4%	94.7%	95.0%	95.8%	94.6%
	2020-21	Kindergarten	5,566	93.4%	93.9%	94.0%	96.1%	93.4%
	2019-20	Kindergarten	6,043	94.7%	94.8%	94.7%	95.3%	94.3%
STANISLAUS	2021-22	1st Grade	7,858	97.0%	97.5%	97.7%	98.3%	97.5%
		Kindergarten	8,707	95.3%	96.2%	96.3%	97.8%	96.1%
	2020-21	Kindergarten	8,619	95.5%	96.6%	96.2%	98.1%	95.7%
	2019-20	Kindergarten	9,366	96.7%	97.7%	97.8%	98.2%	97.6%
SUTTER	2021-22	1st Grade	1,691	83.3%	83.3%	83.9%	86.6%	83.2%
		Kindergarten	2,222	79.2%	80.0%	79.9%	84.4%	79.7%
	2020-21	Kindergarten	1,764	83.8%	84.6%	84.3%	88.7%	83.6%
	2019-20	Kindergarten	2,017	86.7%	87.3%	87.9%	89.8%	88.5%
TEHAMA	2021-22	1st Grade	834	98.3%	98.7%	98.6%	98.8%	98.6%
		Kindergarten	962	96.0%	96.7%	97.2%	98.2%	96.4%
	2020-21	Kindergarten	838	96.1%	97.4%	97.4%	98.2%	97.3%
	2019-20	Kindergarten	1,073	95.4%	96.8%	96.6%	97.9%	95.6%
TRINITY	2021-22	1st Grade	115	91.3%	89.6%	90.4%	93.9%	89.6%
		Kindergarten	117	94.0%	93.2%	93.2%	92.3%	91.5%
	2020-21	Kindergarten	134	89.6%	89.6%	89.6%	90.3%	90.3%
	2019-20	Kindergarten	138	89.1%	87.7%	91.3%	92.0%	92.0%
TULARE	2021-22	1st Grade	7,322	98.9%	≥99.0%	98.9%	≥99.0%	98.7%
		Kindergarten	8,542	97.9%	98.1%	98.2%	98.6%	97.8%
	2020-21	Kindergarten	8,344	97.5%	97.7%	97.8%	98.7%	97.7%
	2019-20	Kindergarten	9,535	97.3%	97.9%	97.9%	98.4%	97.7%
TUOLUMNE	2021-22	1st Grade	469	91.7%	94.2%	93.0%	94.2%	92.8%
		Kindergarten	566	89.6%	92.4%	93.5%	94.5%	93.1%
	2020-21	Kindergarten	474	89.0%	90.1%	91.8%	92.8%	90.5%
	2019-20	Kindergarten	584	92.6%	93.8%	93.7%	95.0%	93.5%
VENTURA	2021-22	1st Grade	9,403	97.6%	97.7%	97.8%	98.1%	97.4%
		Kindergarten	10,540	96.6%	97.1%	97.1%	98.0%	96.8%
	2020-21	Kindergarten	10,410	96.3%	96.5%	96.6%	97.6%	96.4%
	2019-20	Kindergarten	11,466	96.9%	97.3%	97.3%	98.0%	96.7%
YOLO	2021-22	1st Grade	2,383	96.3%	96.7%	96.6%	97.0%	96.3%
		Kindergarten	2,746	95.4%	96.2%	95.8%	96.8%	95.5%
	2020-21	Kindergarten	2,535	94.6%	95.2%	95.3%	96.6%	95.2%
	2019-20	Kindergarten	2,959	96.1%	96.3%	96.6%	97.5%	96.0%
YUBA	2021-22	1st Grade	1,167	95.6%	95.7%	96.1%	96.5%	95.8%
		Kindergarten	1,372	92.7%	93.7%	93.2%	95.0%	93.4%
	2020-21	Kindergarten	1,154	93.0%	94.6%	93.9%	96.6%	91.7%
	2019-20	Kindergarten	1,361	95.2%	96.0%	95.6%	96.8%	95.4%

* Additional precautions for student de-identification are based on jurisdiction enrollment for kindergarten. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%; 100 or more enrollees, values of 99% or higher are listed as ≥99%.

** Schools did not report.