

State	(School) Year Available	Spatial Scale	Vaccination Type Provided	Age group	Notes	Source or Link	Date Accessed
Alabama	2019-2023	County	4+ DTaP, 3+ Polio, 2 Measles, 1 Mumps, 1 Rubella, 1 VAR	Kindergarten		Alabama Department of Public Health (ADPH) <a href="https://www.alabamapublichealth.gov/">https://www.alabamapublichealth.gov/</a>	9/7/2023
Alaska					County-level MMR data unavailable; state excluded from study		
Arizona	2017-2023	County	2+ MMR	Kindergarten		Arizona Department of Health Services: <a href="https://apps.azdhs.gov/IDRREportStats">https://apps.azdhs.gov/IDRREportStats</a>	8/24/2023
Arkansas					County-level MMR data unavailable; state excluded from study		
California	2017-2022	County	2+ MMR	Kindergarten		California Department of Public Health: <a href="https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/Immunization/2021-22KindergartenSummaryReport.pdf">https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/Immunization/2021-22KindergartenSummaryReport.pdf</a>	8/24/2023
Colorado	2017-2023	County	2+ MMR	Kindergarten		Colorado Department of Public Health and Environment: <a href="https://cdphe.colorado.gov/school-and-child-care-immunization-data">https://cdphe.colorado.gov/school-and-child-care-immunization-data</a>	8/24/2023
Connecticut	2017-2023	County	2+ MMR	Kindergarten		Connecticut Department of Public Health: <a href="https://data.ct.gov/Health-and-Human-Services/County-Immunizations-and-Exemption-Rates-by-School/8kid-np5k/data">https://data.ct.gov/Health-and-Human-Services/County-Immunizations-and-Exemption-Rates-by-School/8kid-np5k/data</a>	8/24/2023
District of Columbia					Pre-pandemic data unavailable; state excluded from analysis.		
Delaware					County-level MMR data unavailable; state excluded from study		
Florida	2017-2022	County	5+ DTaP, 4+ IPV, 2+ MMR, 3+ HepB, 2+ VAR	Kindergarten		Florida Department of Health: <a href="https://www.floridahealth.gov/programs-and-services/immunization/resources/surveys/_documents/k-7-status2021-22.pdf">https://www.floridahealth.gov/programs-and-services/immunization/resources/surveys/_documents/k-7-status2021-22.pdf</a>	8/24/2023
Georgia	2019-2023	County	4:3:1:3:3:1:4 series	19-35 months	Georgia reports 1-dose MMR data, and is therefore excluded from the study	Georgia Department of Public Health: <a href="https://dph.georgia.gov/immunization-study-reports">https://dph.georgia.gov/immunization-study-reports</a>	8/24/2023
Hawaii	2017-2020, 2021-2023	County	5 DTaP, 4 Polio, 2 HepA, 3 HepB, 2 MMR, 2 VAR	K-12	Only incomplete immunization rates provided, so MMR rates were calculated as 1 - incomplete rates.	State of Hawaii, Department of Health: <a href="https://health.hawaii.gov/docd/resources/reports/immunization-exemptions/">https://health.hawaii.gov/docd/resources/reports/immunization-exemptions/</a>	8/24/2023
Idaho					County-level MMR data unavailable; state excluded from study		
Illinois	2017-2023	County	1+ MMR	PreK-12	Illinois reports 1-dose MMR rates. Therefore, state was excluded from study	Illinois Department of Public Health: <a href="https://dph.illinois.gov/topics-services/prevention-wellness/immunization/coverage-dashboards/school-vaccination-coverage-dashboard.html">https://dph.illinois.gov/topics-services/prevention-wellness/immunization/coverage-dashboards/school-vaccination-coverage-dashboard.html</a>	9/19/2023
Indiana	2019-2024	County	7 Series Immunization (4+ DTaP, 3+ IPV, 1+ MMR, 3+ Hib, 3+ HepB, 1+ VAR, 4+ PCV)	19-35 months	Indiana reports 1-dose MMR rates. Therefore, state was excluded from study	Indiana Department of Health: <a href="https://www.in.gov/health/immunization/immunization-data/county-rate-assessment/#Annual_Reports">https://www.in.gov/health/immunization/immunization-data/county-rate-assessment/#Annual_Reports</a>	5/21/2024
Iowa	2018-2019, 2020-2024	County	2 MMR	Adolescent		Iowa Health & Human Services: <a href="https://tracking.idph.iowa.gov/Health/Immunization/Adolescent-Immunizations/Adolescent-Immunizations-Data">https://tracking.idph.iowa.gov/Health/Immunization/Adolescent-Immunizations/Adolescent-Immunizations-Data</a>	5/21/2024
Kansas	2019-2020, 2022-2023	School	2 MMR	Kindergarten	MMR rates provided at the school level. School-level data aggregated to county level.	Kansas Department of Health and Environment: <a href="https://www.kdhe.ks.gov/2016/Kindergarten-Immunization-Data">https://www.kdhe.ks.gov/2016/Kindergarten-Immunization-Data</a>	9/17/2023
Kentucky	2017-2023	County	2+ MMR	Kindergarten		Kentucky Environmental Public Health Tracking: <a href="https://healthtracking.ky.gov/Topics/immunizations/Pages/childhood-immunizations.aspx">https://healthtracking.ky.gov/Topics/immunizations/Pages/childhood-immunizations.aspx</a>	9/14/2023
Louisiana	2018-2019, 2020-2022	County	4 DTaP, 3 Polio, 3 HepB, 2 MMR, 2 VAR, 1 Tdap, 1 MenACWY	Kindergarten	The data reflects public school 2-dose MMR rates	Louisiana Department of Health: <a href="https://analytics.la.gov/t/LDH/views/School_SY/CompleteImmunizationRecords?%3Adisplay_count=n&amp;%3Aembed=y&amp;%3AisGuestRedirectFromVizportal=y&amp;%3Aorigin=viz_share_link&amp;%3AshowAppBanner=false&amp;%3AshowVizHome=n">https://analytics.la.gov/t/LDH/views/School_SY/CompleteImmunizationRecords?%3Adisplay_count=n&amp;%3Aembed=y&amp;%3AisGuestRedirectFromVizportal=y&amp;%3Aorigin=viz_share_link&amp;%3AshowAppBanner=false&amp;%3AshowVizHome=n</a>	9/17/2023
Maine	2018-2024	County	2+ MMR	Kindergarten		Maine Center for Disease Control and Prevention: <a href="https://www.maine.gov/dhhs/mecdc/infectious-disease/immunization/publications/index.shtml">https://www.maine.gov/dhhs/mecdc/infectious-disease/immunization/publications/index.shtml</a>	5/20/2024

Maryland	2017-2023	County	2+ MMR	Kindergarten		Maryland Department of Health: <a href="https://www.maine.gov/dhhs/mecdc/infectious-disease/immunization/publications/index.shtml">https://www.maine.gov/dhhs/mecdc/infectious-disease/immunization/publications/index.shtml</a>	8/24/2023
Massachusetts	2017-2024	County	2+ MMR	Kindergarten		Massachusetts Health & Social Services: <a href="https://www.mass.gov/info-details/school-immunizations#kindergarten-data">https://www.mass.gov/info-details/school-immunizations#kindergarten-data</a>	5/18/2024
Michigan	2018-2019, 2022-2023	School	7 Series Immunization (4+ DTaP, 3+ IPV, 1+ MMR, 3+ Hib, 3+ HepB, 1+ VAR, 4+ PCV)	Kindergarten		<a href="https://www.michigan.gov/mdhhs/adult-child-serv/childrenfamilies/immunizations/data-statistics/schoolimmsdata">https://www.michigan.gov/mdhhs/adult-child-serv/childrenfamilies/immunizations/data-statistics/schoolimmsdata</a>	9/12/2023
Minnesota	2017-2024	County	2+ MMR	Kindergarten		Minnesota Department of Health: <a href="https://www.health.state.mn.us/people/immunize/stats/school/index.html">https://www.health.state.mn.us/people/immunize/stats/school/index.html</a>	5/16/2024
Mississippi	2018-2019, 2022-2023	County	4+ DTaP, 3+ Polio, 3 Hep, 2 MMR, 2 VAR	Kindergarten		Mississippi State Department of Health: <a href="https://msdh.ms.gov/">https://msdh.ms.gov/</a>	9/13/2023
Missouri	2018-2019, 2022-2023	County	2+ MMR	Kindergarten		Missouri Department of Health and Senior Services: <a href="https://health.mo.gov/">https://health.mo.gov/</a>	8/24/2023
Montana					Ppost-pandemic vaccination data is unavailable; state excluded from study		
Nebraska					County-level MMR data unavailable; state excluded from study		
Nevada					County-level MMR data unavailable; state excluded from study		
New Hampshire					County-level MMR data unavailable; state excluded from study		
New Jersey	2017-2023	County	4+ DTaP, 3+ Polio, 3 HepB, 2 MMR, 1 VAR	Kindergarten		New Jersey Department of Health: <a href="https://www.nj.gov/health/cd/documents/status_report/2023/all_schools_vac.pdf">https://www.nj.gov/health/cd/documents/status_report/2023/all_schools_vac.pdf</a>	7/1/2023
New Mexico	2018-2019, 2022-2023	County	4+ DTaP, 4 Polio, 2 HepA, 3 HepB, 2 MMR, 2 VAR	Kindergarten		New Mexico Health: <a href="https://www.nmhealth.org/data/view/report/2664/">https://www.nmhealth.org/data/view/report/2664/</a>	7/1/2023
New York	2017-2023	School	2+ MMR	Kindergarten	County rates generated from school rates and public enrollment data. Public enrollment data available here: <a href="https://www.p12.nysed.gov/irs/statistics/enroll-n-staff/ArchiveEnrollmentData.html">https://www.p12.nysed.gov/irs/statistics/enroll-n-staff/ArchiveEnrollmentData.html</a>	<a href="https://health.data.ny.gov/Health/School-Immunization-Survey-Beginning-2012-13-Schoo/5pme-xbs5">https://health.data.ny.gov/Health/School-Immunization-Survey-Beginning-2012-13-Schoo/5pme-xbs5</a>	9/14/2023
North Carolina	2019-2020, 2022-2023	County	2+ MMR	Kindergarten		NC Department of Health and Human Services: <a href="https://www.ncdhhs.gov/">https://www.ncdhhs.gov/</a>	8/18/2023
North Dakota	2018-2019, 2021-2024	County	5 DTaP, 4 Polio, 3 HepB, 2 MMR, 2 VAR	Kindergarten		North Dakota Health & Human Services: <a href="https://app.powerbigov.us/view?r=eyJrljoiZTA1NjMzYzYtMjk4NS00MDg3LTUingItNWQwNzdkZTRIN2FiIiwidCI6IjlkZWEwNDY0LWRhNTEtNGE4OC1iYWUwIiw7ZGI5NGIiMG1INCjI9">https://app.powerbigov.us/view?r=eyJrljoiZTA1NjMzYzYtMjk4NS00MDg3LTUingItNWQwNzdkZTRIN2FiIiwidCI6IjlkZWEwNDY0LWRhNTEtNGE4OC1iYWUwIiw7ZGI5NGIiMG1INCjI9</a>	5/18/2024
Ohio					County-level MMR data unavailable; state excluded from study		
Oklahoma	2017-2022	County	5 DTaP, 4 Polio, 2 HepA, 3 HepB, 2 MMR, 1 VAR	Kindergarten		Oklahoma State Department of Health: <a href="https://oklahoma.gov/content/dam/ok/en/health/health2/aem-documents/prevention-and-preparedness/immunizations/kindergarten-survey/KSurvey_OSDH_InfographicSummary_20-21.pdf">https://oklahoma.gov/content/dam/ok/en/health/health2/aem-documents/prevention-and-preparedness/immunizations/kindergarten-survey/KSurvey_OSDH_InfographicSummary_20-21.pdf</a>	7/1/2023
Oregon	2016-2024	County	2 Measles	Kindergarten		Oregon Immunization Program: <a href="https://public.tableau.com/app/profile/oregon.immunization.program/viz/SchoolLawTableau/KimmunizationsPA.gov">https://public.tableau.com/app/profile/oregon.immunization.program/viz/SchoolLawTableau/KimmunizationsPA.gov</a>	5/23/2024
Pennsylvania	2016-2023	County	2+ MMR	Kindergarten		<a href="https://www.health.pa.gov/topics/Documents/Programs/Immunizations/School%20Immunization%20Survey%20Summary%20by%20County%202021-2023.pdf">https://www.health.pa.gov/topics/Documents/Programs/Immunizations/School%20Immunization%20Survey%20Summary%20by%20County%202021-2023.pdf</a>	7/1/2023

Rhode Island	2018-2019, 2020-2024	City	5 DTaP, 4 Polio, 3 HepB, 2 MMR, 2 VAR	Kindergarten	vaccination rates at the city level were mapped to counties, and weighted by city population in 2020. Population data available from here: <a href="https://planning.ri.gov/sites/g/files/xkgbur826/files/documents/census/2021/POP-BY-C%26T-2010---2020.pdf">https://planning.ri.gov/sites/g/files/xkgbur826/files/documents/census/2021/POP-BY-C%26T-2010---2020.pdf</a> . Dataset Notes: West Greenwich and West Kingston are not included due to missing data. New Shoreham (2023-24) data is missing and adopts 2022-23 data. Warren (2020-21 ) data is missing and adopts 2021-22 data.	Rhode Island Department of Health: <a href="https://ricair-data-rihealth.hub.arcgis.com/">https://ricair-data-rihealth.hub.arcgis.com/</a>	5/23/2024
South Carolina	2019-2024	County	4+ DTaP, 3 Polio, 2 HepA, 3 HepB, 2 MMR, 2 VAR	K-12		South Carolina Department of Public Health: <a href="https://sdcdec.gov/health/vaccinations/childcare-school-vaccine-requirements/school-vaccination-coverage-exemption-data-county-2016-2020">https://sdcdec.gov/health/vaccinations/childcare-school-vaccine-requirements/school-vaccination-coverage-exemption-data-county-2016-2020</a>	3/21/2024
South Dakota	2017-2024	County	2+ MMR	Kindergarten		South Dakota Department of Health: <a href="https://doh.sd.gov/media/4qeanw0b/sd_school_vaccination_rates_2021-2022.pdf">https://doh.sd.gov/media/4qeanw0b/sd_school_vaccination_rates_2021-2022.pdf</a>	4/1/2024
Tennessee	2018-2023	County	DTaP, Polio, 2 HepA, HepB, 2 MMR, 2 VAR	Kindergarten		Tennessee Department of Health: <a href="https://data.tn.gov/t/Public/views/SchoolCoverageRateDashboard/SchoolStory?%3AshowAppBanner=false&amp;%3Adisplay_count=n&amp;%3AshowVizHome=n&amp;%3Aorigin=viz_share_link&amp;%3Aembed=yes&amp;%3Arender=false&amp;%3Atoolbar=no&amp;%3Atabs=no">https://data.tn.gov/t/Public/views/SchoolCoverageRateDashboard/SchoolStory?%3AshowAppBanner=false&amp;%3Adisplay_count=n&amp;%3AshowVizHome=n&amp;%3Aorigin=viz_share_link&amp;%3Aembed=yes&amp;%3Arender=false&amp;%3Atoolbar=no&amp;%3Atabs=no</a>	7/22/2023
Texas	2019-2023	County	2+ MMR	Kindergarten		Texas Health and Human Services: <a href="https://www.dshs.texas.gov/immunization-unit/immunization-coverage-levels/vaccination-coverage-levels-texas">https://www.dshs.texas.gov/immunization-unit/immunization-coverage-levels/vaccination-coverage-levels-texas</a>	7/3/2023
Utah	2017-2024	County	2+ MMR	K-12		Utah Department of Health & Human Services: <a href="https://immunize.utah.gov/wp-content/uploads/2022-Immunization-Coverage-Report_FINAL.pdf">https://immunize.utah.gov/wp-content/uploads/2022-Immunization-Coverage-Report_FINAL.pdf</a>	5/22/2024
Vermont	2017-2023	County	2+ MMR	Kindergarten		Vermont Department of Health: <a href="https://www.healthvermont.gov/stats/surveillance-reporting-topic/vaccination-coverage">https://www.healthvermont.gov/stats/surveillance-reporting-topic/vaccination-coverage</a>	9/11/2023
Virginia	2017-2023	County	4+ DTaP, 4 Polio, 2 HepA, 3 HepB, 2+ MMR, 2 VAR	Kindergarten		Virginia Department of Health: <a href="https://www.vdh.virginia.gov/immunization/sis-reports-2021-present/">https://www.vdh.virginia.gov/immunization/sis-reports-2021-present/</a>	7/7/2023
Washington	2018-2023	County	2+ MMR	Kindergarten		Washington State Department of Health: <a href="https://doh.wa.gov/data-and-statistical-reports/washington-tracking-network-wtn/school-immunization/dashboard">https://doh.wa.gov/data-and-statistical-reports/washington-tracking-network-wtn/school-immunization/dashboard</a>	7/7/2023
West Virginia					County-level MMR data unavailable; state excluded from study		
Wisconsin	2018-2019, 2022-2024	County	2+ MMR	K-12		Wisconsin Department of Health Services: <a href="https://www.dhs.wisconsin.gov/publications/p02420b.pdf">https://www.dhs.wisconsin.gov/publications/p02420b.pdf</a>	5/15/2024
Wyoming	2018-2022	County	2+ MMR	7-years-old		Wyoming Department of Health: <a href="https://health.wyo.gov/publichealth/immunization/immunization-data/wyoming-county-report-cards/">https://health.wyo.gov/publichealth/immunization/immunization-data/wyoming-county-report-cards/</a>	7/8/2023