

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



Ron DeSantis
Governor


Joseph A. Ladapo, MD, PhD
State Surgeon General

Vision: To be the Healthiest State in the Nation

MEMORANDUM

DATE: September 6, 2022

TO: County Health Department Health Officers

FROM: Carina Blackmore, DVM, PhD, Dipl ACVPM, 
State Epidemiologist, Director, Division of Disease Control and Health Protection

SUBJECT: Results of the Assessment of County Health Department (CHD) Immunization Coverage Levels in 2-Year-Old Children (2022)

The Florida Department of Health's (DOH) Immunization Section completed an annual immunization assessment of all children from age 12 to 35 months whose current immunization provider (CIP) in the Florida State Health Online Tracking System (SHOTS) was a county health department (CHD), and whose Patient Status was Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on the common review date (January 1, 2022). Children with a *Religious Exemption From Immunization* (RE) and children with a moved or gone elsewhere (MOGE) date on or before the compliance age (24 months [2-year-olds]; 12 months [1-year-olds]) were excluded. These children, who fit the above "Custom" criteria, were born from January 2019 through December 2020, as provided by Florida SHOTS.

The purpose of this assessment was to estimate immunization coverage levels for children from age 24 to 35 months who fit the "Custom" criteria listed above, as indicated on the Department's *2022 CHD Performance Snapshot Fact Sheet*, that children in this age group should complete the 4:3:1:3:3:1:4 vaccine series by age 24 months (age 2). The 4:3:1:3:3:1:4 vaccine series consists of four or more doses of diphtheria, tetanus toxoids and acellular pertussis (DTaP) vaccine; three or more doses of inactivated poliovirus vaccine (IPV); one or more doses of measles, mumps and rubella (MMR) vaccine; three or more doses of *Haemophilus influenzae* type b (Hib) vaccine; three or more doses of hepatitis B vaccine; one or more doses of varicella (VAR) vaccine (or physician-documented disease history) and four or more doses of pneumococcal conjugate vaccine (PCV). The statewide target for this CHD performance measure is 90 percent.

The 2022 statewide immunization coverage level for the 2-year-old children assessed was 81.3%. Thirty-six (53.7%) CHDs were excluded from this group because each were the CIP to 10 or fewer 2-year-old children who fit the "Custom" criteria. The remaining 31 CHDs, which were the CIP to 1,527 2-year-old children who fit the "Custom" criteria, had coverage levels ranging from 50.0% (Baker) to 100% (Flagler, Franklin and Okaloosa). Fifteen (48.4%) CHDs achieved or exceeded the statewide target, with Flagler, Franklin and Okaloosa attaining 100% coverage. Of the 16 CHDs that did not meet the target, nine had levels less than 70% (Table 1).

Coverage levels were broken down by CHD immunization site. Data for the 36 excluded CHDs are not included, as well as sites with no 2-year-old children who fit the "Custom" criteria. CHDs may find these

data useful in determining staffing or training needs (Table 2).

Coverage levels for the last five years (2018–2022) were compiled. Statewide coverage increased from 79.3% (2021) to 81.3% (2022). Seventeen (54.8%) of the 31 CHDs decreased their coverage, 13 (41.9%) improved coverage and one (Bay) was incomparable because it was the CIP to 10 or fewer 2-year-old children who fit the “Custom” criteria. Eight CHDs (Alachua, Miami-Dade, Duval, Escambia, Franklin, Gulf, Lee, Okaloosa and Sarasota) maintained coverage levels ≥ 90 percent for the last five years. Seventeen CHDs were excluded from these annual assessments for the last five years because each year each were the CIP to 10 or fewer 2-year-old children who fit the “Custom” criteria (Table 3).

For this same five-year period, data on the number of 2-year-old children whose CIP was a CHD and who fit the “Custom” criteria were compiled. Thirty-seven CHDs (55.2%) could not be compared for years 2021 and 2022 because each were the CIP to 10 or fewer 2-year-old children who fit the “Custom” criteria for either or both years. Of the remaining 30 CHDs, 22 (73.3%) had a decrease in the number of 2-year-old children whose CIP was a CHD and who fit the “Custom” criteria. Statewide, there were 43.4% fewer 2-year-old children whose CIP was a CHD and who fit the “Custom” criteria on January 1, 2022 than on January 1, 2021 (1,527 and 2,700 respectively). In the last five years this decreased by 67.0% (4,623 [2018]; 1,527 [2022]) (Table 4).

Children from age 12 to 23 months were assessed for completion of the 3:2:2:2 vaccine series by age 12 months (age 1). The 3:2:2:2 vaccine series consists of three or more doses of DTaP vaccine, two or more doses of IPV, two or more doses of Hib vaccine and two or more doses of hepatitis B vaccine. The statewide target for 1-year-old children is 90%. **The statewide coverage level for these children was 67.9%**, which is slightly higher than in 2021 (67.2%). Thirty-two CHDs (47.8%) were excluded from this group because each were the CIP to 10 or fewer 1-year-old children who fit the “Custom” criteria. The remaining 35 CHDs that were the CIP to 2,054 1-year-old children who fit the “Custom” criteria had coverage levels ranging from 45.5% (Citrus) to 100% (Lee). Three CHDs (Lee [100%], Sarasota [92.5%] and Nassau [91.7%]) achieved the statewide target for this group (Table 5).

Discussion:

While coverage levels for both groups increased slightly from the previous year (79.3% to 81.3% [2-year-olds]; 67.2% to 67.9% [1-year-olds]), they are significantly lower than pre-pandemic (January 1, 2020) levels (93.4% [2-year-olds]; 73.0% [1-year-olds]). While it is understandable fewer children were vaccinated by a CHD during the earlier stage of the pandemic, we must consider the continued decrease in the number of 1- and 2-year-old children whose CIP was a CHD and who fit the “Custom” criteria. A CHD is defaulted as the CIP when CHD staff add vaccinations (administered or historical) to a child’s Florida SHOTS record. CHD staff must ensure a child’s Patient Status remains “Active” with the CHD 1) until another vaccine provider becomes the CIP, 2) until CHD staff document three consecutive unsuccessful contact attempts to the parent/guardian (in the “Contact Attempts” field) or 3) unless the child was seen for a one-time visit. Examples of a one-time visit are issuing a *Florida Certificate of Immunization* or an RE only, or administering a non-school-required vaccine, such as an influenza and hepatitis A vaccine.

In 2009, the Immunization Section, formerly the Bureau of Immunization, created and used “the Total Clients in its immunization home was ≤ 10 ” as the reason to exclude a CHD from the assessment. This was done because one of the largest CHDs changed the Patient Status of all but two of the 2-year-old children for which it was the CIP to Inactive-Documented Move or Inactive-Unable to Locate/No Response, with a MOGE date on or prior to the compliance age. CHD staff stated they did so because they served a transient population and did not consider any of their immunization clients as their patients. Each year more CHDs changed the Patient Status of all but 10 or fewer of the 2-year-old

children for whom they were the CIP to Inactive-Documented Move or Inactive-Unable to Locate/No Response, with a MOGE date on or prior to the compliance age, resulting in 36 CHDs following that practice this survey year. With more than half (53.7%) of the CHDs excluded, we must consider if this assessment is still of value to CHDs.

By now, CHDs should have re-started routine monthly activities such as immunization reminder-recall and the management of Patient List reports to identify the children for whom they are the CIP who are due or past due for vaccination, and attempt contact with their parent/guardian to remind them to bring their child in for vaccination. Doing so is essential for immunizing these children by the compliance age. The Patient List report is also essential for identifying which children have an "Active" Patient Status who should not, or who have an Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion Patient Status on or after the compliance age, whose Patient Status should be Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on or prior to the compliance age.

If you have any questions regarding this report, please contact our survey and assessment consultant, Amy Wilson, at 850-901-6806.

CB/aw

Enclosures

cc: Mark Lander, Interim Deputy Secretary
for County Health Systems
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TABLE 1. Estimated vaccination coverage for the 4:3:1:3:3:1:4* vaccine series by age 24 months, by county health department, Florida—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children† 2022‡

County Health Department	4:3:1:3:3:1:4*		Total Children	County Health Department	4:3:1:3:3:1:4*		Total Children
	%§	#¶	#†		%§	#¶	#†
Alachua	93.9	31	33	Lake**	87.5	21	24
Baker**	50.0	11	22	Lee	94.4	17	18
Bay**	52.9	18	34	Leon	93.5	29	31
Bradford**	81.8	54	66	Levy	NA**	NA**	NA**
Brevard**	56.9	62	109	Liberty	91.7	11	12
Broward**	75.0	15	20	Madison	NA**	NA**	NA**
Calhoun**	64.3	9	14	Manatee**	57.8	26	45
Charlotte**	83.3	20	24	Marion	NA**	NA**	NA**
Citrus	NA**	NA**	NA**	Martin	NA**	NA**	NA**
Clay	NA**	NA**	NA**	Monroe**	83.4	141	169
Collier**	85.5	53	62	Nassau	NA**	NA**	NA**
Columbia	NA**	NA**	NA**	Okaloosa	100.0	49	49
Miami-Dade	99.0	101	102	Okeechobee	NA**	NA**	NA**
Desoto	NA**	NA**	NA**	Orange**	67.5	27	40
Dixie	NA**	NA**	NA**	Osceola**	71.3	62	87
Duval	91.9	57	62	Palm Beach	NA**	NA**	NA**
Escambia	97.7	43	44	Pasco	97.1	33	34
Flagler	100.0	25	25	Pinellas	98.0	48	49
Franklin	100.0	23	23	Polk**	50.5	47	93
Gadsden	NA**	NA**	NA**	Putnam	NA**	NA**	NA**
Gilchrist	NA**	NA**	NA**	Santa Rosa	NA**	NA**	NA**
Glades	NA**	NA**	NA**	Sarasota	98.8	84	85
Gulf	NA**	NA**	NA**	Seminole**	69.2	18	26
Hamilton	NA**	NA**	NA**	St Johns	NA**	NA**	NA**
Hardee	NA**	NA**	NA**	St Lucie	NA**	NA**	NA**
Hendry	NA**	NA**	NA**	Sumter	NA**	NA**	NA**
Hernando	93.3	14	15	Suwannee	NA**	NA**	NA**
Highlands	NA**	NA**	NA**	Taylor	NA**	NA**	NA**
Hillsborough	NA**	NA**	NA**	Union	NA**	NA**	NA**
Holmes	NA**	NA**	NA**	Volusia**	69.0	20	29
Indian River	NA**	NA**	NA**	Wakulla	NA**	NA**	NA**
Jackson	NA**	NA**	NA**	Walton	90.1	73	81
Jefferson	NA**	NA**	NA**	Washington	NA**	NA**	NA**
Lafayette	NA**	NA**	NA**	Statewide**	81.3	1,242	1,527

*4:3:1:3:3:1:4 = Vaccine series of four or more doses of DTaP vaccine, three or more doses of IPV, one or more doses of MMR vaccine, three or more doses of Hib vaccine, three or more doses of hep B vaccine, one or more doses of VAR vaccine (or physician-documented disease history) and four or more doses of PCV.

†Children age 24–35 months on January 1, 2022 who fit the custom criteria: Their current immunization provider (CIP) in the Florida State Health Online Tracking System (SHOTS) was a county health department (CHD), and their Patient Status was Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on January 1, 2022, excluding those with a religious exemption or MOGE (moved or gone elsewhere) date on or prior to the compliance age (24 months).

‡Data collected from Florida SHOTS on January 3, 2022.

§Estimated vaccination coverage levels (unweighted) for the 4:3:1:3:3:1:4 vaccine series presented as point estimate (%).

¶Estimated number of 2-year-old children who completed the 4:3:1:3:3:1:4 vaccine series by age 24 months.

**Did not meet the coverage goal for 90% of these children to complete the 4:3:1:3:3:1:4 vaccine series by age 24 months.

††Not Applicable, as data (from Florida SHOTS) were excluded because the CHD was the CIP to 10 or fewer children.

‡‡Adjusted to exclude CHDs that were the CIP to 10 or fewer 2-year-old children.

TABLE 2. Estimated vaccination coverage for the 4:3:1:3:3:1:4* vaccine series by age 24 months, by county health department, by site, Florida—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children† 2022‡

County Health Department, by Site	VFC PIN	4:3:1:3:3:1:4*		Total # Children†
		%§	#¶	
Alachua_Gainesville	017001	93.8	30	32
Alachua_South West Clinic	700413	100.0	1	1
Baker	020035	50.0	11	22
Bay	030044	52.9	18	34
Bradford_Bradford	040034	50.0	1	2
Bradford_New River Peds	700538	82.8	53	64
Brevard_Melbourne	059005	57.4	27	47
Brevard_Titusville	059004	57.1	12	21
Brevard_Viera	059007	56.1	23	41
Broward_Ft Lauderdale Health Center	067001	100.0	3	3
Broward_Ft Lauderdale Imm Cl	700065	70.6	12	17
Calhoun	070001	64.3	9	14
Charlotte_Port Charlotte	080010	83.3	20	24
Citrus	097001	NA**	NA**	NA**
Clay	multiple	NA**	NA**	NA**
Collier_Immokalee	119003	81.8	9	11
Collier_Naples	110037	86.3	44	51
Columbia	120001	NA**	NA**	NA**
Dade_Health District Center	137003	97.8	45	46
Dade_Little Haiti Health Center	139047	100.0	19	19
Dade_Refugee Health Center	137001	100.0	6	6
Dade_West Perrine Health Center	139012	100.0	31	31
Desoto	140001	NA**	NA**	NA**
Dixie	150001	NA**	NA**	NA**
Duval_BCC Refugee	169017	0.0	0	1
Duval_Beaches Family Health Center	169003	100.0	25	25
Duval_Center For Women And Children	169008	96.7	29	30
Duval_South Jax Imm Center	169002	75.0	3	4
Duval_South Jax Primary Care Center	none	0.0	0	1
Duval_The Immunization Center	169007	0.0	0	1
Escambia	170041	97.7	43	44
Flagler	180033	100.0	25	25
Franklin_Annex Carabelle Clinic	199000	100.0	5	5
Franklin_Franklin	190001	100.0	18	18
Gadsden	207001	NA**	NA**	NA**
Gilchrist	210065	NA**	NA**	NA**
Glades	220001	NA**	NA**	NA**
Gulf	multiple	NA**	NA**	NA**
Hamilton	240033	NA**	NA**	NA**
Hardee	250037	NA**	NA**	NA**
Hendry	260007	NA**	NA**	NA**
Hernando_Brooksville	270001	100.0	1	1
Hernando_Spring Hill	279001	92.9	13	14
Highlands	multiple	NA**	NA**	NA**
Hillsborough	multiple	NA**	NA**	NA**

TABLE 2. Estimated vaccination coverage for the 4:3:1:3:3:1:4* vaccine series by age 24 months, by county health department, by site, Florida—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children† 2022‡

County Health Department, by Site	VFC PIN	4:3:1:3:3:1:4*		Total # Children†
		%§	#¶	
Holmes	300034	NA**	NA**	NA**
Indian River	310033	NA**	NA**	NA**
Jackson	320001	NA**	NA**	NA**
Jefferson	330001	NA**	NA**	NA**
Lafayette	340001	NA**	NA**	NA**
Lake_Clermont	700062	88.9	8	9
Lake_Leesburg	700010	80.0	4	5
Lake_Umatilla	357002	90.0	9	10
Lee_Michigan Avenue	360046	94.4	17	18
Leon_Municipal Way	701494	0.0	0	1
Leon_Pharmacy	370041	0.0	0	1
Leon_Roberts And Stevens	377001	100.0	29	29
Levy	380034	NA**	NA**	NA**
Liberty	390003	91.7	11	12
Madison	400036	NA**	NA**	NA**
Manatee_Manatee	410001	65.4	17	26
Manatee_Preventative Care Cl	700226	47.4	9	19
Marion	420001	NA**	NA**	NA**
Martin	430001	NA**	NA**	NA**
Monroe_Gato	440001	83.9	125	149
Monroe_Roth Building - Tavernier	449001	80.0	4	5
Monroe_Ruth Ivins Center - Marathon	449002	80.0	12	15
Nassau	450012	NA**	NA**	NA**
Okaloosa_Crestview	469000	100.0	10	10
Okaloosa_Fort Walton Beach	460001	100.0	39	39
Okeechobee	470037	NA**	NA**	NA**
Orange_Bithlo	700418	100.0	1	1
Orange_Central Immunizations	487003	68.6	24	35
Orange_Epidemiology	487001	0.0	0	1
Orange_Taft	700421	0.0	0	1
Orange_Union Park NCT	705247	100.0	2	2
Osceola_Imm Clinic	497001	71.3	62	87
Palm Beach	multiple	NA**	NA**	NA**
Pasco_Dade City	517001	100.0	14	14
Pasco_NPR	519001	94.4	17	18
Pasco_Wesley Chapel	519004	100.0	2	2
Pinellas_Clearwater Health	527002	88.9	8	9
Pinellas_Imm Outreach	527003	100.0	1	1
Pinellas_Midcounty Health Center	700069	100.0	11	11
Pinellas_Pinellas Park Health	527005	100.0	7	7
Pinellas_St Petersburg Health	527001	100.0	18	18
Pinellas_Tarpon Springs Health	527006	100.0	3	3
Polk_Auburndale	539003	55.0	11	20
Polk_Haines City	700119	47.1	16	34
Polk_Immunizations	539011	61.5	8	13

TABLE 2. Estimated vaccination coverage for the 4:3:1:3:3:1:4* vaccine series by age 24 months, by county health department, by site, Florida—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children† 2022‡

County Health Department, by Site	VFC PIN	4:3:1:3:3:1:4*		Total # Children†
		%§	#¶	
Polk_Lakeland	530001	46.2	12	26
Putnam	540037	NA**	NA**	NA**
Santa Rosa	multiple	NA**	NA**	NA**
Sarasota_Childrens Hlth	589003	100.0	41	41
Sarasota_North Port Clinic	589008	100.0	22	22
Sarasota_Ringling Clinic	587001	95.5	21	22
Seminole	590051	69.2	18	26
St Johns	550037	NA**	NA**	NA**
St Lucie	multiple	NA**	NA**	NA**
Sumter	multiple	NA**	NA**	NA**
Suwannee	610001	NA**	NA**	NA**
Taylor	620034	NA**	NA**	NA**
Union	multiple	NA**	NA**	NA**
Volusia_Daytona Beach	640058	69.2	9	13
Volusia_Daytona Keech	700966	0.0	0	3
Volusia_New Smyrna Beach	649001	100.0	6	6
Volusia_Orange	700508	71.4	5	7
Wakulla	650033	NA**	NA**	NA**
Walton_Coastal Branch	669001	97.0	32	33
Walton_Walton	660001	85.4	41	48
Washington	670033	NA**	NA**	NA**
Statewide††		81.3	1,242	1,527

Abbreviations: PIN = personal identification number; VFC = Vaccines for Children Program.

*4:3:1:3:3:1:4 = Vaccine series of four or more doses of DTaP vaccine, three or more doses of IPV, one or more doses of MMR vaccine, three or more doses of Hib vaccine, three or more doses of hep B vaccine, one or more doses of VAR vaccine (or physician-documented disease history) and four or more doses of PCV.

†Children age 24–35 months on January 1, 2022 who fit the custom criteria: Their current immunization provider (CIP) in the Florida State Health Online Tracking System (SHOTS) was a county health department (CHD), and their Patient Status was Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on January 1, 2022, excluding those with a religious exemption or MOGE (moved or gone elsewhere) date on or prior to the compliance age (24 months).

‡Data collected from Florida SHOTS on January 3, 2022.

§Estimated vaccination coverage levels (unweighted) for the 4:3:1:3:3:1:4 vaccine series presented as point estimate (%).

¶Estimated number of 2-year-old children who completed the 4:3:1:3:3:1:4 vaccine series by age 24 months.

**Not Applicable, as data (from Florida SHOTS) were excluded because the CHD was the CIP to 10 or fewer children.

††Adjusted to exclude CHDs that were the CIP to 10 or fewer 2-year-old children.

Table 3. Estimated vaccination coverage for the 4:3:1:3:3:1:4* vaccine series by age 24 months, by county health department, Florida, 2018–2022—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children[†] 2022[‡]

County Health Department	Estimated Vaccination Coverage [§] 4:3:1:3:3:1:4*				
	2022 [¶]	2021 [¶]	2020 [¶]	2019 [¶]	2018 ^{**}
Alachua	93.9	96.2	97.0	97.8	97.1
Baker	50.0	74.1	91.7	75.9	100.0
Bay	52.9	NA ^{††}	96.9	100.0	NA ^{††}
Bradford	81.8	88.7	90.3	87.1	94.9
Brevard	56.9	64.8	90.3	94.6	97.5
Broward	75.0	44.1	93.8	94.0	99.0
Calhoun	64.3	80.8	90.5	96.8	94.6
Charlotte	83.3	94.7	100.0	100.0	100.0
Citrus	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	86.7
Clay	NA ^{††}	100.0	70.8	75.7	83.3
Collier	85.5	98.8	98.4	98.6	99.3
Columbia	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Miami-Dade	99.0	100.0	97.3	97.9	96.4
Desoto	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Dixie	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Duval	91.9	100.0	100.0	98.7	92.4
Escambia	97.7	92.1	92.6	95.3	91.3
Flagler	100.0	97.7	97.8	98.2	88.7
Franklin	100.0	92.0	96.2	97.2	100.0
Gadsden	NA ^{††}	NA ^{††}	85.0	72.7	64.7
Gilchrist	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Glades	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Gulf	NA ^{††}	93.1	95.8	97.8	100.0
Hamilton	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Hardee	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Hendry	NA ^{††}	NA ^{††}	88.9	90.3	93.8
Hernando	93.3	94.7	100.0	96.2	75.0
Highlands	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Hillsborough	NA ^{††}	NA ^{††}	5.3	98.5	100.0
Holmes	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Indian River	NA ^{††}	NA ^{††}	100.0	100.0	100.0
Jackson	NA ^{††}	92.3	NA ^{††}	64.7	NA ^{††}
Jefferson	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Lafayette	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Lake	87.5	86.4	97.3	96.3	93.9
Lee	94.4	100.0	100.0	91.7	98.7
Leon	93.5	97.8	86.7	100.0	100.0
Levy	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Liberty	91.7	92.9	83.3	94.7	96.4
Madison	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Manatee	57.8	57.6	100.0	65.0	82.5
Marion	NA ^{††}	NA ^{††}	NA ^{††}	100.0	97.1

Table 3. Estimated vaccination coverage for the 4:3:1:3:3:1:4* vaccine series by age 24 months, by county health department, Florida, 2018–2022—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children[†] 2022[‡]

County Health Department	Estimated Vaccination Coverage [§] 4:3:1:3:3:1:4*				
	2022 [¶]	2021 [¶]	2020 [¶]	2019 [¶]	2018 ^{**}
Martin	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Monroe	83.4	82.1	96.4	79.7	82.3
Nassau	NA ^{††}	60.0	NA ^{††}	NA ^{††}	NA ^{††}
Okaloosa	100.0	97.8	100.0	100.0	100.0
Okeechobee	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Orange	67.5	65.0	99.2	97.4	99.5
Osceola	71.3	95.6	94.9	90.3	83.7
Palm Beach	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Pasco	97.1	80.6	100.0	100.0	97.9
Pinellas	98.0	100.0	99.2	79.6	100.0
Polk	50.5	81.9	80.4	90.2	92.3
Putnam	NA ^{††}	NA ^{††}	NA ^{††}	100.0	100.0
Santa Rosa	NA ^{††}	100.0	81.8	66.7	100.0
Sarasota	98.8	94.9	96.9	96.0	97.4
Seminole	69.2	65.0	54.5	100.0	63.6
St Johns	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
St Lucie	NA ^{††}	NA ^{††}	NA ^{††}	90.9	95.7
Sumter	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	93.3
Suwannee	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Taylor	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Union	NA ^{††}	NA ^{††}	NA ^{††}	91.7	75.0
Volusia	69.0	73.3	98.4	74.3	91.7
Wakulla	NA ^{††}	NA ^{††}	NA ^{††}	100.0	100.0
Walton	90.1	89.2	89.9	85.1	85.9
Washington	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	91.7
Statewide^{‡‡}	81.3	79.3	93.4	92.1	93.1

*4:3:1:3:3:1:4 = Vaccine series of four or more doses of DTaP vaccine, three or more doses of IPV, one or more doses of MMR vaccine, three or more doses of Hib vaccine, three or more doses of hep B vaccine, one or more doses of VAR vaccine (or physician-documented disease history) and four or more doses of PCV.

[†]Children age 24–35 months on January 1 of the year indicated who fit the custom criteria: Their current immunization provider (CIP) in the Florida State Health Online Tracking System (SHOTS) was a county health department (CHD), and their Patient Status was Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on January 1 of the year indicated, excluding those with a religious exemption or MOGE (moved or gone elsewhere) date on or prior to the compliance age (24 months).

[‡]Data collected from Florida SHOTS on January 3, 2022.

[§]Estimated vaccination coverage levels (unweighted), presented as point estimate (%).

[¶]Coverage goal was for 90% of these children to complete the 4:3:1:3:3:1:4 vaccine series by age 24 months.

^{**}Coverage goal was for 95% of these children to complete the 4:3:1:3:3:1:4 vaccine series by age 24 months.

^{††}Not Applicable, as data (from Florida SHOTS) were excluded because the CHD was the CIP to 10 or fewer children.

^{‡‡}Adjusted to exclude CHDs that were the CIP to 10 or fewer children.

Table 4. Number of 2-year-old children* whose current immunization provider was a county health department, by county health department, Florida, 2018–2022— Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2022[†]

County Health Department	Number of 2-Year-Old Children*				
	2022	2021	2020	2019	2018
Alachua	33	53	66	89	103
Baker	22	27	24	29	16
Bay	34	NA [‡]	32	32	NA [‡]
Bradford	66	53	72	62	39
Brevard	109	125	145	112	163
Broward	20	517	357	349	292
Calhoun	14	26	21	31	56
Charlotte	24	19	16	31	50
Citrus	NA [‡]	NA [‡]	NA [‡]	NA [‡]	15
Clay	NA [‡]	11	48	37	18
Collier	62	81	126	141	140
Columbia	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Miami-Dade	102	204	222	328	366
Desoto	NA [‡]	12	NA [‡]	NA [‡]	NA [‡]
Dixie	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Duval	62	48	147	236	383
Escambia	44	63	108	192	231
Flagler	25	43	46	55	53
Franklin	23	25	53	36	56
Gadsden	NA [‡]	NA [‡]	20	11	17
Gilchrist	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Glades	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Gulf	NA [‡]	29	71	45	50
Hamilton	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Hardee	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Hendry	NA [‡]	NA [‡]	27	31	48
Hernando	15	19	19	26	44
Highlands	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Hillsborough	NA [‡]	NA [‡]	19	65	53
Holmes	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Indian River	NA [‡]	NA [‡]	62	96	114
Jackson	NA [‡]	13	NA [‡]	17	NA [‡]
Jefferson	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Lafayette	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Lake	24	22	37	54	99
Lee	18	54	100	133	156
Leon	31	45	30	22	26
Levy	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Liberty	12	14	12	19	28
Madison	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Manatee	45	33	25	40	40

Table 4. Number of 2-year-old children* whose current immunization provider was a county health department, by county health department, Florida, 2018–2022— Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2022[†]

County Health Department	Number of 2-Year-Old Children*				
	2022	2021	2020	2019	2018
Marion	NA [‡]	NA [‡]	NA [‡]	15	34
Martin	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Monroe	169	212	225	246	310
Nassau	NA [‡]	15	NA [‡]	NA [‡]	NA [‡]
Okaloosa	49	92	87	82	54
Okeechobee	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Orange	40	143	120	156	190
Osceola	87	68	99	186	294
Palm Beach	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Pasco	34	31	37	54	97
Pinellas	49	76	123	49	92
Polk	93	83	138	215	310
Putnam	NA [‡]	NA [‡]	NA [‡]	13	11
Santa Rosa	NA [‡]	16	44	72	29
Sarasota	85	195	97	101	76
Seminole	26	40	33	21	33
St Johns	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
St Lucie	NA [‡]	NA [‡]	NA [‡]	22	23
Sumter	NA [‡]	NA [‡]	NA [‡]	NA [‡]	15
Suwannee	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Taylor	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Union	NA [‡]	NA [‡]	NA [‡]	12	16
Volusia	29	45	62	74	72
Wakulla	NA [‡]	NA [‡]	NA [‡]	12	29
Walton	81	148	258	228	270
Washington	NA [‡]	NA [‡]	NA [‡]	NA [‡]	NA [‡]
Statewide [§]	1,527	2,700	3,228	3,877	4,623

*Children age 24–35 months on January 1 of the year indicated who fit the "Custom" criteria: Their current immunization provider (CIP) in the Florida State Health Online Tracking System (SHOTS) was a county health department (CHD), and their Patient Status was Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on January 1 of the year indicated, excluding those with a religious exemption or MOGE (moved or gone elsewhere) date on or prior to the compliance age (24 months).

[†]Data collected from the Florida State Health Online Tracking System (SHOTS) on January 3, 2022.

[‡]Not Applicable, as data (from Florida SHOTS) were excluded because the CHD was the CIP to 10 or fewer children.

[§]Adjusted to exclude CHDs that were the CIP to 10 or fewer 2-year-old children.

TABLE 5. Estimated vaccination coverage for the 3:2:2:2* vaccine series by age 12 months, by county health department, Florida—Results of the Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children† 2022‡

County Health Department	3:2:2:2*		Total Children	County Health Department	3:2:2:2*		Total Children
	%§	#¶	#†		%§	#¶	#†
Alachua**	73.9	17	23	Lake**	54.5	12	22
Baker**	70.4	19	27	Lee	100.0	11	11
Bay**	85.7	18	21	Leon**	80.0	20	25
Bradford**	89.7	52	58	Levy	NA††	NA††	NA††
Brevard**	66.7	62	93	Liberty**	62.5	10	16
Broward**	51.6	116	225	Madison	NA††	NA††	NA††
Calhoun**	83.3	10	12	Manatee**	57.1	24	42
Charlotte**	61.3	19	31	Marion	NA††	NA††	NA††
Citrus**	45.5	5	11	Martin	NA††	NA††	NA††
Clay**	50.0	10	20	Monroe**	84.6	193	228
Collier**	59.8	55	92	Nassau	91.7	11	12
Columbia	NA††	NA††	NA††	Okaloosa**	67.1	49	73
Miami-Dade**	65.6	124	189	Okeechobee	NA††	NA††	NA††
Desoto	NA††	NA††	NA††	Orange**	51.9	42	81
Dixie	NA††	NA††	NA††	Osceola**	60.5	52	86
Duval**	68.0	115	169	Palm Beach	NA††	NA††	NA††
Escambia**	81.8	36	44	Pasco**	56.5	26	46
Flagler**	55.8	24	43	Pinellas**	68.8	33	48
Franklin**	88.5	23	26	Polk**	53.3	32	60
Gadsden	NA††	NA††	NA††	Putnam	NA††	NA††	NA††
Gilchrist	NA††	NA††	NA††	Santa Rosa**	63.6	7	11
Glades	NA††	NA††	NA††	Sarasota	92.5	37	40
Gulf	NA††	NA††	NA††	Seminole**	75.8	25	33
Hamilton	NA††	NA††	NA††	St Johns	NA††	NA††	NA††
Hardee	NA††	NA††	NA††	St Lucie	NA††	NA††	NA††
Hendry	NA††	NA††	NA††	Sumter	NA††	NA††	NA††
Hernando	NA††	NA††	NA††	Suwannee	NA††	NA††	NA††
Highlands	NA††	NA††	NA††	Taylor	NA††	NA††	NA††
Hillsborough	NA††	NA††	NA††	Union	NA††	NA††	NA††
Holmes	NA††	NA††	NA††	Volusia**	63.3	31	49
Indian River	NA††	NA††	NA††	Wakulla	NA††	NA††	NA††
Jackson**	72.7	8	11	Walton**	88.2	67	76
Jefferson	NA††	NA††	NA††	Washington	NA††	NA††	NA††
Lafayette	NA††	NA††	NA††	Statewide††	67.9	1,395	2,054

*3:2:2:2 = Vaccine series of three or more doses of DTaP vaccine, two or more doses of IPV, two or more doses of Hib vaccine and two or more doses of hep B vaccine.

† Children age 12–23 months on January 1, 2022 who fit the custom criteria: Their current immunization provider (CIP) in the Florida State Health Online Tracking System (SHOTS) was a county health department (CHD), and their Patient Status was Active or Inactive-Documented Move, Inactive-Unable to Locate/No Response or Inactive at Conversion on January 1, 2022, excluding those with a religious exemption or MOGE (moved or gone elsewhere) date on or prior to the compliance age (12 months).

‡ Data collected from the Florida State Health Online Tracking System (SHOTS) on January 3, 2022.

§ Estimated vaccination coverage levels (unweighted) for the 3:2:2:2 vaccine series presented as point estimate (%).

¶ Estimated number of 1-year-old children who completed the 3:2:2:2 vaccine series by age 12 months.

** Did not meet the coverage goal for 90% of these children to complete the 3:2:2:2 vaccine series by age 12 months.

†† Not Applicable, as data (from Florida SHOTS) were excluded because the CHD was the CIP to 10 or fewer children

†† Adjusted to exclude CHDs that were the CIP to 10 or fewer 1-year-old children.