

Mission:

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



Ron DeSantis
Governor


Scott A. Rivkees, MD
State Surgeon General


Vision: To be the Healthiest State in the Nation

MEMORANDUM

DATE: June 4, 2021

TO: County Health Department Health Officers

THROUGH: Amy C. Rigger, BSN, RN, Administrator 
Immunization Section

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

SUBJECT: Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children (2021)

INFORMATION ONLY

In January 2021, the Florida Department of Health's (FDOH) Immunization Section completed an annual immunization assessment of all children from age 12 to 35 months whose parents rely on a county health department (CHD) as their child's immunization home. That is, the child receives most or all vaccines at the CHD. This assessment includes those children born from January 2018 through December 2019, as provided by the Florida State Health Online Tracking System (SHOTS), with a common review date of January 1, 2021.

The purpose of this assessment was to estimate immunization coverage levels for children from age 24 to 35 months, as indicated on the Department's *2020 CHD Performance Snapshot Fact Sheet*, that children in this age group should complete the 4:3:1:3:3:1:4 vaccine series (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 vaccine (or physician documented disease history); and four or more doses of pneumococcal conjugate vaccine [PCV]) by age 24 months [age 2]. The statewide target for this measure is 90 percent, compared to the national, *Healthy People 2020* leading health indicator, IID-8, which is for children from age 19 to 35 months, is 80 percent.

The 2021 statewide immunization coverage level for the 2-year-old children assessed was 79.3 percent. Thirty-one (46.3 percent) CHDs were excluded from this cohort because the "Total Clients" in its immunization home was ≤ 10 . Of the remaining 36 CHDs, coverage levels ranged from 44.1 percent (Broward) to 100 percent (seven CHDs). Twenty-one (58.3 percent) CHDs achieved or exceeded the statewide target, seven of which attained 100 percent coverage. Those 36 CHDs were the immunization home to 2,700 children. (Enclosure 1).

Coverage levels were broken down by CHD immunization site and corresponding *Vaccines for Children* personal identification number. Data for the 31 excluded CHDs are not included, as well as sites with no clients. (Enclosure 2). CHDs that did not meet the statewide target for 2-year-old children may find these data useful in determining which sites may need to improve its reminder recall practices.

Assessment of County Health Department Immunization Coverage Levels
In 2-Year-Old Children (2021)

Page Two
June 4, 2021

Coverage levels for the last five calendar years (2017–2021) were compiled. Coverage decreased by an alarming 14.1 percentage points since 2020, from 93.4 to 79.3 percent statewide. Twenty-one (58.3 percent) of the qualifying (>10 “Total Clients”) 36 CHDs had a decrease in coverage, 10 (27.8 percent) improved their coverage, and two (5.6 percent) remained the same. Ten CHDs (Alachua, Charlotte, Collier, Miami-Dade, Duval, Escambia, Franklin, Gulf, Lee, and Okaloosa) maintained coverage levels ≥ 90 percent for the last five years. Seventeen CHDs were excluded from this annual assessment for the last five years because each year they had ≤ 10 “Total Clients” in their immunization home (Enclosure 3).

For this same five-year period, data on the number of 2-year-old children with a CHD immunization home were compiled. Thirty-four of the 67 CHDs (50.7 percent) could not be compared for years 2020 and 2021 due to having ≤ 10 “Total Clients” in either or both years. Of the remaining 36 CHDs, 21 (58.3 percent) showed a decrease in the 2-year-old population served. Statewide, 16.4 percent fewer children had a CHD as their immunization home in 2021 compared to 2020 (2,700 and 3,228 respectively). From 2017 to 2021, the number of 2-year-old children with a CHD as their immunization home decreased by 42.6 percent from 4,707 to 2,700 (Enclosure 4).

Children from age 12 to 23 months were assessed for completion of the 3:2:2:2 vaccine series (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) by age 12 months [age 1]). The national and statewide targets are both 90 percent for 1-year-old children. The statewide coverage level for these children was 67.2 percent, down from last year’s 73.0 percent. Thirty CHDs (44.8 percent) were excluded from this cohort because the “Total Clients” in their immunization home were ≤ 10 . Of the remaining 37 CHDs, coverage levels ranged from 20 percent (Palm Beach) to 89.6 percent (Bradford). No CHDs achieved the statewide target for this age group. Those 37 CHDs were the immunization home to 2,254 children (Enclosure 5).

Discussion:

The nation and Florida have been under a state of emergency due to the Novel Coronavirus Disease 2019 (COVID-19) pandemic since the spring of 2020. Public health measures were implemented to decrease the spread of the virus, including telehealth medical appointments in lieu of in-person appointments, child care closures or reductions in enrollment, and children staying home with a parent/guardian in lieu of attending licensed child care facilities. While these measures may have helped reduce the spread of the virus, they may have also contributed to parents postponing routine childhood vaccination.

Additionally, as CHD COVID-19 related activities increased, routine activities such as immunization reminder-recall and the management of Patient List reports in Florida SHOTS, decreased. The public health measures and reprioritization of CHD activities likely contributed to the significant decrease in vaccination coverage this year. Each CHD should re-start the reminder-recall process as soon as feasible, to identify and contact the parent or guardian of the children in its immunization home due or overdue for vaccination.

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

CB/AR/aw
Enclosures

cc: Shamarial Roberson, DrPH, MPH
Deputy Secretary for Health
Beth A. Paterniti, MPA, Director
County Health Systems
Clayton R. Weiss, MPH, Chief
Bureau of Epidemiology
County Health Department Nursing Directors
Immunization Section Field Staff Representative

TABLE 1. Estimated Vaccination Coverage by Age 24 Months Among Children* with a County Health Department Immunization Home for 4:3:1:3:3:1:4[†] Vaccine Series, Florida, by County—Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[‡]

County Health Department	4:3:1:3:3:1:4 [†]		Total Clients**	County Health Department	4:3:1:3:3:1:4 [†]		Total Clients**
	% [§]	# [¶]			% [§]	# [¶]	
Alachua	96.2	51	53	Lake ^{††}	86.4	19	22
Baker ^{††}	74.1	20	27	Lee	100.0	54	54
Bay	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Leon	97.8	44	45
Bradford ^{††}	88.7	47	53	Levy	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Brevard ^{††}	64.8	81	125	Liberty	92.9	13	14
Broward ^{††}	44.1	228	517	Madison	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Calhoun ^{††}	80.8	21	26	Manatee ^{††}	57.6	19	33
Charlotte	94.7	18	19	Marion	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Citrus	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Martin	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Clay	100.0	11	11	Monroe ^{††}	82.1	174	212
Collier	98.8	80	81	Nassau ^{††}	60.0	9	15
Columbia	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Okaloosa	97.8	90	92
Dade	100.0	204	204	Okeechobee	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Desoto	100.0	12	12	Orange ^{††}	65.0	93	143
Dixie	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Osceola	95.6	65	68
Duval	100.0	48	48	Palm Beach	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Escambia	92.1	58	63	Pasco ^{††}	80.6	25	31
Flagler	97.7	42	43	Pinellas	100.0	76	76
Franklin	92.0	23	25	Polk ^{††}	81.9	68	83
Gadsden	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Putnam	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Gilchrist	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Santa Rosa	100.0	16	16
Glades	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Sarasota	94.9	185	195
Gulf	93.1	27	29	Seminole ^{††}	65.0	26	40
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	94.7	18	19	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 ^{††}	73.3	33	45
Indian River	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Wakulla	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Jackson	92.3	12	13	Walton ^{††}	89.2	132	148
Jefferson	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Washington	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Lafayette	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}	Statewide ^{§§}	79.3	2,142	2,700

*Children in this cohort were 24-35 months of age on January 1, 2021.

[†]4:3:1:3:3:1:4 = Measure 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 vaccine (or physician documented disease history) and four or more doses of pneumococcal conjugate vaccine (PCV).

[‡]Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2021.

[§]Immunization levels (unweighted) presented as point estimate (%) for the 4:3:1:3:3:1:4 vaccine measure.

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

**Total number of 2-year-old children with a county health department (CHD) immunization home.

^{††}Did not meet the coverage goal for 90% of "Total Clients" to complete the 4:3:1:3:3:1:4 vaccine measure by age 24 months.

^{‡‡}Not Applicable, as data (from Florida SHOTS) were excluded due to ≤10 "Total Clients" in their immunization home.

^{§§}Adjusted to exclude CHDs with ≤10 "Total Clients" in their immunization home.

TABLE 2. Estimated Vaccination Coverage by Age 24 Months Among Children* with a County Health Department Immunization Home for 4:3:1:3:3:1:4[†] Vaccine Series, Florida, by County and Site—Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[‡]

County Health Department (CHD), by Site	VFC PIN	4:3:1:3:3:1:4 [†]		Total Clients**
		% [§]	# [¶]	
Alachua CHD_Gainesville	017001	97.8	44	45
Alachua CHD_Alachua Clinic	019000	100.0	7	7
Alachua CHD_South West Clinic	700413	0.0	0	1
Baker CHD	020035	74.1	20	27
Bay CHD	030044	NA ^{††}	NA ^{††}	NA ^{††}
Bradford CHD_Bradford CHD	040034	66.7	2	3
Bradford CHD_New River Peds	700538	90.0	45	50
Brevard CHD_Melbourne	059005	67.9	36	53
Brevard CHD_Titusville	059004	58.1	18	31
Brevard CHD_Viera	059007	65.9	27	41
Broward CHD_Ft Lauderdale Imm Cl	700065	62.0	31	50
Broward CHD_Lauderdale Health Ctr	067001	66.7	6	9
Broward CHD_Mills Health Ctr	061310	35.4	99	280
Broward CHD_Paul Hughes Health Ctr	069022	51.7	92	178
Calhoun CHD	070001	80.8	21	26
Charlotte CHD_Port Charlotte	080010	94.7	18	19
Citrus CHD	097001	NA ^{††}	NA ^{††}	NA ^{††}
Clay CHD_Bear Run Clinic	100043	100.0	11	11
Collier CHD_Immokalee	119003	100.0	22	22
Collier CHD_Naples	110037	98.3	58	59
Columbia CHD	120001	NA ^{††}	NA ^{††}	NA ^{††}
Dade CHD_Health District Ctr	137003	100.0	110	110
Dade CHD_Little Haiti Health Ctr	139047	100.0	52	52
Dade CHD_Refugee Health Ctr	137001	100.0	2	2
Dade CHD_West Perrine Health Ctr	139012	100.0	40	40
Desoto CHD	140001	100.0	12	12
Dixie CHD	150001	NA ^{††}	NA ^{††}	NA ^{††}
Duval CHD_Beaches Family Health Ctr	169003	100.0	31	31
Duval CHD_Ctr For Women And Children	169008	100.0	11	11
Duval CHD_South Jax Imm Ctr	169002	100.0	5	5
Duval CHD_South Jax PC Ctr	none	100.0	1	1
Escambia CHD	170041	92.1	58	63
Flagler CHD	180033	97.7	42	43
Franklin CHD_Franklin CHD	190001	90.5	19	21
Franklin CHD_Annex	199000	100.0	4	4
Gadsden CHD	207001	NA ^{††}	NA ^{††}	NA ^{††}
Gilchrist CHD	210065	NA ^{††}	NA ^{††}	NA ^{††}
Glades CHD	220001	NA ^{††}	NA ^{††}	NA ^{††}
Gulf CHD_Port St. Joe Clinic	230001	93.1	27	29
Hamilton CHD	240033	NA ^{††}	NA ^{††}	NA ^{††}
Hardee CHD	250037	NA ^{††}	NA ^{††}	NA ^{††}
Hendry CHD	multiple	NA ^{††}	NA ^{††}	NA ^{††}
Hernando CHD_Spring Hill	279001	100.0	18	18
Hernando CHD_Brooksville	270001	0.0	0	1
Highlands CHD	280055	NA ^{††}	NA ^{††}	NA ^{††}

TABLE 2. Estimated Vaccination Coverage by Age 24 Months Among Children* with a County Health Department Immunization Home for 4:3:1:3:3:1:4[†] Vaccine Series, Florida, by County and Site—Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[‡]

County Health Department (CHD), by Site	VFC PIN	4:3:1:3:3:1:4 [†]		Total Clients**
		% [§]	# [¶]	
Hillsborough CHD	299017	NA ^{††}	NA ^{††}	NA ^{††}
Holmes CHD	300034	NA ^{††}	NA ^{††}	NA ^{††}
Indian River CHD	multiple	NA ^{††}	NA ^{††}	NA ^{††}
Jackson CHD	320001	92.3	12	13
Jefferson CHD	330001	NA ^{††}	NA ^{††}	NA ^{††}
Lafayette CHD	340001	NA ^{††}	NA ^{††}	NA ^{††}
Lake CHD_Clermont	700062	83.3	5	6
Lake CHD_Leesburg	700010	80.0	4	5
Lake CHD_Umatilla	357002	90.9	10	11
Lee CHD_Michigan Avenue	360046	100.0	54	54
Leon CHD_Roberts And Stevens	377001	97.8	44	45
Levy CHD	380034	NA ^{††}	NA ^{††}	NA ^{††}
Liberty CHD	390003	92.9	13	14
Madison CHD	400036	NA ^{††}	NA ^{††}	NA ^{††}
Manatee CHD	410001	59.1	13	22
Manatee CHD_Preventative Care Cl	700226	54.5	6	11
Marion CHD	420001	NA ^{††}	NA ^{††}	NA ^{††}
Martin CHD	430001	NA ^{††}	NA ^{††}	NA ^{††}
Monroe CHD_Gato	440001	82.0	137	167
Monroe CHD_Roth Building-Tavernier	449001	100.0	6	6
Monroe CHD_Ruth Ivins Ctr-Marathon	449002	79.5	31	39
Nassau CHD_Callahan Clinic	450011	50.0	1	2
Nassau CHD_Yulee Clinic	450012	61.5	8	13
Okaloosa CHD_Crestview	469000	100.0	10	10
Okaloosa CHD_Fort Walton Beach	460001	97.6	80	82
Okeechobee CHD	470037	NA ^{††}	NA ^{††}	NA ^{††}
Orange CHD_Bithlo	700418	0.0	0	1
Orange CHD_Central Immunizations	487003	67.9	74	109
Orange CHD_Eastside Clinic-FPPH	700681	50.0	1	2
Orange CHD_Engelwood	700420	100.0	2	2
Orange CHD_NCF	none	100.0	1	1
Orange CHD-Taft	700421	28.6	2	7
Osceola CHD_Imm Clinic	497001	95.6	65	68
Palm Beach CHD	multiple	NA ^{††}	NA ^{††}	NA ^{††}
Pasco CHD_Dade City	517001	85.7	6	7
Pasco CHD_NPR	519001	91.7	11	12
Pasco CHD_Wesley Chapel	519004	66.7	8	12
Pinellas CHD_Clearwater Health	527002	100.0	28	28
Pinellas CHD_Midcounty Health	700069	100.0	18	18
Pinellas CHD_Pinellas Park Health	527005	100.0	5	5
Pinellas CHD_Pinellas Park High	700397	100.0	1	1
Pinellas CHD_St Petersburg Health	527001	100.0	17	17
Pinellas CHD_Tarpon Springs Health	527006	100.0	7	7
Polk CHD_Auburndale	539003	84.6	11	13
Polk CHD_Immunizations	539011	85.7	12	14

TABLE 2. Estimated Vaccination Coverage by Age 24 Months Among Children* with a County Health Department Immunization Home for 4:3:1:3:3:1:4[†] Vaccine Series, Florida, by County and Site—Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[‡]

County Health Department (CHD), by Site	VFC PIN	4:3:1:3:3:1:4 [†]		Total Clients**
		% [§]	# [¶]	
Polk CHD_Lake Wales	539001	100.0	1	1
Polk CHD_Lakeland	530001	68.2	15	22
Polk CHD_Haines City	700119	87.9	29	33
Putnam CHD	540037	NA ^{††}	NA ^{††}	NA ^{††}
Santa Rosa CHD_Milton Clinic	570036	100.0	12	12
Santa Rosa CHD_Gulf Breeze	579002	100.0	4	4
Sarasota CHD_North Port Clinic	589008	94.0	47	50
Sarasota CHD_Ringling Clinic	587001	96.5	111	115
Sarasota CHD_Childrens Health	589003	90.0	27	30
Seminole CHD_Refugee Health	none	100.0	1	1
Seminole CHD_Sanford	590051	64.1	25	39
St Johns CHD	550037	NA ^{††}	NA ^{††}	NA ^{††}
St Lucie CHD	multiple	NA ^{††}	NA ^{††}	NA ^{††}
Sumter CHD	600034	NA ^{††}	NA ^{††}	NA ^{††}
Suwannee CHD	610001	NA ^{††}	NA ^{††}	NA ^{††}
Taylor CHD	620034	NA ^{††}	NA ^{††}	NA ^{††}
Union CHD	630033	NA ^{††}	NA ^{††}	NA ^{††}
Volusia CHD_Daytona Keech	700966	0.0	0	1
Volusia CHD_Daytona Beach	640058	77.3	17	22
Volusia CHD_Deland	none	0.0	0	2
Volusia CHD_Deltona	none	0.0	0	1
Volusia CHD_Orange	700508	82.4	14	17
Volusia CHD_New Smyrna Beach	649001	100.0	2	2
Wakulla CHD	650033	NA ^{††}	NA ^{††}	NA ^{††}
Walton CHD_Walton CHD	660001	88.0	88	100
Walton CHD_Coastal Branch	669001	91.7	44	48
Washington CHD	670033	NA ^{††}	NA ^{††}	NA ^{††}

*Children in this cohort were 24-35 months of age on January 1, 2021.

[†]4:3:1:3:3:1:4 = Measure 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 vaccine (or physician documented disease history) and four or more doses of pneumococcal conjugate vaccine (PCV).

[‡]Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2021.

[§]Immunization levels (unweighted) presented as point estimate (%) for the 4:3:1:3:3:1:4 vaccine measure.

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

**Total 2-year-old children with a county health department (CHD) immunization home.

^{††}Not Applicable, as data (from Florida SHOTS) were excluded due to ≤10 "Total Clients" in their immunization home.

Table 3. Estimated Vaccination Coverage by Age 24 Months Among Children* with a County Health Department Immunization Home for 4:3:1:3:3:1:4[†] Vaccine Series, Florida, by County, 2017–2021—Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[‡]

County Health Department	2021 [§]	2020 [§]	2019 [§]	2018 [¶]	2017 [¶]
	%**				
Alachua	96.2	97.0	97.8	97.1	91.0
Baker	74.1	91.7	75.9	100.0	100.0
Bay	NA ^{††}	96.9	100.0	NA ^{††}	69.2
Bradford	88.7	90.3	87.1	94.9	NA ^{††}
Brevard	64.8	90.3	94.6	97.5	97.0
Broward	44.1	93.8	94.0	99.0	91.0
Calhoun	80.8	90.5	96.8	94.6	90.0
Charlotte	94.7	100.0	100.0	100.0	100.0
Citrus	NA ^{††}	NA ^{††}	NA ^{††}	86.7	88.2
Clay	100.0	70.8	75.7	83.3	94.2
Collier	98.8	98.4	98.6	99.3	94.7
Columbia	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Dade	100.0	97.3	97.9	96.4	95.5
Desoto	100.0	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Dixie	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Duval	100.0	100.0	98.7	92.4	90.7
Escambia	92.1	92.6	95.3	91.3	91.7
Flagler	97.7	97.8	98.2	88.7	97.4
Franklin	92.0	96.2	97.2	100.0	98.6
Gadsden	NA ^{††}	85.0	72.7	64.7	62.5
Gilchrist	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Glades	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Gulf	93.1	95.8	97.8	100.0	96.2
Hamilton	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Hardee	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Hendry	NA ^{††}	88.9	90.3	93.8	93.8
Hernando	94.7	100.0	96.2	75.0	97.6
Highlands	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Hillsborough	NA ^{††}	5.3	98.5	100.0	92.3
Holmes	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Indian River	NA ^{††}	100.0	100.0	100.0	100.0
Jackson	92.3	NA ^{††}	64.7	NA ^{††}	88.5
Jefferson	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Lafayette	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Lake	86.4	97.3	96.3	93.9	92.3
Lee	100.0	100.0	91.7	98.7	93.5
Leon	97.8	86.7	100.0	100.0	92.6
Levy	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Liberty	92.9	83.3	94.7	96.4	96.3
Madison	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}

Table 3. Estimated Vaccination Coverage by Age 24 Months Among Children* with a County Health Department Immunization Home for 4:3:1:3:3:1:4[†] Vaccine Series, Florida, by County, 2017–2021—Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[‡]

County Health Department	2021 [§]	2020 [§]	2019 [§]	2018 [¶]	2017 [¶]
	% ^{**}				
Manatee	57.6	100.0	65.0	82.5	100.0
Marion	NA ^{††}	NA ^{††}	100.0	97.1	81.4
Martin	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Monroe	82.1	96.4	79.7	82.3	88.3
Nassau	60.0	NA ^{††}	NA ^{††}	NA ^{††}	84.2
Okaloosa	97.8	100.0	100.0	100.0	90.8
Okeechobee	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Orange	65.0	99.2	97.4	99.5	90.9
Osceola	95.6	94.9	90.3	83.7	82.5
Palm Beach	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Pasco	80.6	100.0	100.0	97.9	99.1
Pinellas	100.0	99.2	79.6	100.0	99.0
Polk	81.9	80.4	90.2	92.3	92.8
Putnam	NA ^{††}	NA ^{††}	100.0	100.0	NA ^{††}
Santa Rosa	100.0	81.8	66.7	100.0	82.6
Sarasota	94.9	96.9	96.0	97.4	NA ^{††}
Seminole	65.0	54.5	100.0	63.6	NA ^{††}
St Johns	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	100.0
St Lucie	NA ^{††}	NA ^{††}	90.9	95.7	97.6
Sumter	NA ^{††}	NA ^{††}	NA ^{††}	93.3	92.9
Suwannee	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Taylor	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}	NA ^{††}
Union	NA ^{††}	NA ^{††}	91.7	75.0	NA ^{††}
Volusia	73.3	98.4	74.3	91.7	93.8
Wakulla	NA ^{††}	NA ^{††}	100.0	100.0	100.0
Walton	89.2	89.9	85.1	85.9	87.9
Washington	NA ^{††}	NA ^{††}	NA ^{††}	91.7	NA ^{††}
Statewide^{††}	79.3	93.4	92.1	93.1	92.0

*Children in this cohort were 24-35 months of age on January 1 of each year indicated.

[†]4:3:1:3:3:1:4 = Measure 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 vaccine (or physician documented disease history) and four or more doses of pneumococcal conjugate vaccine (PCV).

[‡]Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2021.

[§]Coverage goal is for 90% of "Total Clients" to complete the 4:3:1:3:3:1:4 vaccine series by age 24 months.

[¶]Coverage goal is for 95% of "Total Clients" to complete the 4:3:1:3:3:1:4 vaccine series by age 24 months.

^{**}Immunization levels (unweighted) presented as point estimate (%) for the 4:3:1:3:3:1:4 vaccine measure.

^{††}Not Applicable, as data (from Florida SHOTS) were excluded due to ≤10 "Total Clients" in their immunization home.

^{††}Adjusted to exclude CHDs with ≤10 "Total Clients" in their immunization home.

Table 4. Estimated Number of Children Ages 24–35* Months with a County Health Department Immunization Home, Florida, by County, 2017–2021— Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021[†]

County Health Department	2021	2020	2019	2018	2017
	Number of Total Clients [‡]				
Alachua	53	66	89	103	122
Baker	27	24	29	16	13
Bay	NA [§]	32	32	NA [§]	13
Bradford	53	72	62	39	NA [§]
Brevard	125	145	112	163	166
Broward	517	357	349	292	245
Calhoun	26	21	31	56	50
Charlotte	19	16	31	50	63
Citrus	NA [§]	NA [§]	NA [§]	15	17
Clay	11	48	37	18	86
Collier	81	126	141	140	187
Columbia	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Dade	204	222	328	366	199
Desoto	12	NA [§]	NA [§]	NA [§]	NA [§]
Dixie	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Duval	48	147	236	383	408
Escambia	63	108	192	231	206
Flagler	43	46	55	53	77
Franklin	25	53	36	56	70
Gadsden	NA [§]	20	11	17	24
Gilchrist	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Glades	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Gulf	29	71	45	50	53
Hamilton	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Hardee	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Hendry	NA [§]	27	31	48	65
Hernando	19	19	26	44	41
Highlands	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Hillsborough	NA [§]	19	65	53	26
Holmes	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Indian River	NA [§]	62	96	114	137
Jackson	13	NA [§]	17	NA [§]	26
Jefferson	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Lafayette	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Lake	22	37	54	99	104
Lee	54	100	133	156	154
Leon	45	30	22	26	54
Levy	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]
Liberty	14	12	19	28	27
Madison	NA [§]	NA [§]	NA [§]	NA [§]	NA [§]

Table 4. Estimated Number of Children Ages 24–35* Months with a County Health Department Immunization Home, Florida, by County, 2017–2021— Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children 2021†

County Health Department	2021	2020	2019	2018	2017
	Number of Total Clients‡				
Manatee	33	25	40	40	26
Marion	NA§	NA§	15	34	43
Martin	NA§	NA§	NA§	NA§	NA§
Monroe	212	225	246	310	299
Nassau	15	NA§	NA§	NA§	19
Okaloosa	92	87	82	54	76
Okeechobee	NA§	NA§	NA§	NA§	NA§
Orange	143	120	156	190	241
Osceola	68	99	186	294	343
Palm Beach	NA§	NA§	NA§	NA§	NA§
Pasco	31	37	54	97	115
Pinellas	76	123	49	92	102
Polk	83	138	215	310	387
Putnam	NA§	NA§	13	11	NA§
Santa Rosa	16	44	72	29	23
Sarasota	195	97	101	76	NA§
Seminole	40	33	21	33	NA§
St Johns	NA§	NA§	NA§	NA§	25
St Lucie	NA§	NA§	22	23	41
Sumter	NA§	NA§	NA§	15	14
Suwannee	NA§	NA§	NA§	NA§	NA§
Taylor	NA§	NA§	NA§	NA§	NA§
Union	NA§	NA§	12	16	NA§
Volusia	45	62	74	72	64
Wakulla	NA§	NA§	12	29	25
Walton	148	258	228	270	231
Washington	NA§	NA§	NA§	NA§	NA§
Statewide¶	2,700	3,228	3,877	4,623	4,707

*Children in this cohort were 24-35 months of age on January 1 of each year indicated.

†Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2021.

‡Total 2-year-old children with a county health department (CHD) immunization home.

§Not Applicable, as data (from Florida SHOTS) were excluded due to ≤10 "Total Clients" in their immunization home.

¶Adjusted to exclude CHDs with ≤10 "Total Clients" in their immunization home.

TABLE 5. Estimated Vaccination Coverage by Age 12 Months Among Children* with a County Health Department Immunization Home for 3:2:2:2[†] Vaccine Series, Florida, by County—Assessment of County Health Department Immunization Coverage Levels in 1-Year-Old Children 2021[‡]

County Health Department	3:2:2:2 [†]		Total Clients**		County Health Department	3:2:2:2 [†]		Total Clients**
	% [§]	Complete [¶]				% [§]	Complete [¶]	
Alachua	79.2	19	24		Lake	60.0	18	30
Baker	76.2	16	21		Lee	70.6	12	17
Bay	75.0	9	12		Leon	88.5	23	26
Bradford	89.6	60	67		Levy	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Brevard	64.2	88	137		Liberty	72.0	18	25
Broward	47.3	140	296		Madison	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Calhoun	75.0	9	12		Manatee	76.9	20	26
Charlotte	79.3	23	29		Marion	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Citrus	45.5	5	11		Martin	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Clay	86.7	13	15		Monroe	89.2	157	176
Collier	71.3	57	80		Nassau	45.5	5	11
Columbia ^{††}	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Okaloosa	69.5	57	82
Dade	59.7	129	216		Okeechobee	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Desoto	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Orange	54.3	51	94
Dixie	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Osceola	64.5	40	62
Duval	77.3	68	88		Palm Beach	20.0	3	15
Escambia	86.1	62	72		Pasco	42.1	24	57
Flagler	57.1	24	42		Pinellas	79.1	34	43
Franklin	78.6	33	42		Polk	50.6	42	83
Gadsden	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Putnam	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Gilchrist	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Santa Rosa	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Glades	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Sarasota	77.9	95	122
Gulf	70.6	12	17		Seminole	40.0	10	25
Hamilton	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		St Johns	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Hardee	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		St Lucie	61.5	8	13
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	85.7	12	14		Volusia	60.0	24	40
Indian River	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Wakulla	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Jackson	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Walton	84.8	95	112
Jefferson	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Washington	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}
Lafayette	NA ^{‡‡}	NA ^{‡‡}	NA ^{‡‡}		Statewide ^{§§}	67.2	1,515	2,254

*Children in this cohort were 12-23 months of age on January 1, 2021.

[†]3:2:2:2 = Measure of three or more doses of diphtheria, tetanus toxoids, and acellular pertussis (DTaP) vaccine, two or more doses of inactivated poliovirus vaccine (IPV), two or more doses of *Haemophilus influenzae* type b (Hib) vaccine and two or more doses of hepatitis B vaccine.

[‡]Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2021.

[§]Immunization levels (unweighted) presented as point estimate (%) for the 3:2:2:2 measure.

[¶]Estimated number of children who received all vaccines necessary to complete the 3:2:2:2 measure by 12 months of age.

**Total number of 1-year-old children with a county health department (CHD) immunization home.

^{††}Did not meet the coverage goal for 90% of "Total Clients" to complete the 3:2:2:2 vaccine series by 12 months of age.

^{‡‡}Not Applicable, as data (from Florida SHOTS) were excluded due to ≤10 "Total Clients" in their immunization home.

^{§§}Adjusted to exclude CHDs with ≤10 "Total Clients" in their immunization home.