

**Mission:**

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



**Rick Scott**  
Governor

**Celeste Philip, MD, MPH**  
State Surgeon General

**Vision:** To be the Healthiest State in the Nation

## INTEROFFICE MEMORANDUM

**DATE:** May 23, 2016

**TO:** County Health Department Directors/Administrators

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

**SUBJECT:** Assessment of County Health Department Immunization Coverage Levels in 2-Year-Old Children (2016)

### INFORMATION ONLY

In January 2016, the Immunization Section completed an annual immunization assessment of all 1- and 2-year-old children whose parents rely on a county health department (CHD) as their child's immunization home. The Florida State Health Online Tracking System (SHOTS) was the sole source of data collection for this assessment, which consists of all active records of children from 12 to 23 months of age and children from 24 to 35 months of age, respectively, with a common review date of January 1, 2016.

The results are based on the following recommendations of the Advisory Committee on Immunization Practices:

- All children from 24 to 35 months of age complete the 4:3:1:3:3:1:4 (4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hepatitis B, 1 Varicella, and 4 doses of pneumococcal conjugate [PCV]) immunization series by 24 months of age.
- All children from 12 to 23 months of age complete the 3:2:2:2 (3 DTaP, 2 Polio, 2 Hib, and 2 Hepatitis B) immunization series by 12 months of age.

The national coverage goal for 2-year-old children to complete the 4:3:1:3:3:1:4 immunization series is 80 percent. The state coverage goal is 95 percent. The 2016 CHD Performance Snapshot indicator for the percent of 2-year-old CHD clients, reflects our state goal of 95 percent. The national and state coverage goal for 1-year-old children to complete the 3:2:2:2 immunization series is 90 percent.

Enclosure 1 provides statewide and CHD-specific coverage data for the 2-year-old children assessed. Of these 6,490 children, **93 percent completed the 4:3:1:3:3:1:4 immunization series by 24 months of age.** This is a 2 percent improvement from last year's survey, and is the highest rate achieved since 2012, also at 93 percent.

Of Florida's 67 CHDs, 14 (21 percent) were excluded from this assessment because the "Total Clients" in their immunization home were  $\leq 10$ . Of the remaining 53 CHDs, 33 (62 percent) achieved or exceeded the state goal. Of those CHDs, 11 attained 100 percent.

**Florida Department of Health**

Division of Disease Control and Health Protection  
Bureau of Communicable Diseases • Immunization Section  
4052 Bald Cypress Way, Bin A-11 • Tallahassee, FL 32399-1719  
PHONE: 850/245-4342 • FAX 850/922-4195



**Accredited Health Department**  
Public Health Accreditation Board

Enclosure 2 provides statewide and CHD-specific coverage data for the 1-year-old children assessed. Of these 6,613 children, **85 percent completed the 3:2:2:2 immunization series by 12 months of age**. This is a 1 percent improvement from last year's survey.

Of the 67 CHDs, 18 (27 percent) were excluded from this cohort because the "Total Clients" in their immunization home were  $\leq 10$ . Of the remaining 49 CHDs, 23 (47 percent) achieved or exceeded the state goal. Of those CHDs, 5 attained 100 percent.

Enclosures 3 and 4 provide a breakdown of the number of 2-year-old children assessed, **by CHD immunization site**. Enclosure 5 provides statewide and CHD-specific **coverage rates** for the 2-year-old children assessed per year **for the past 5 years** (2012–2016).

Enclosure 6 provides statewide and CHD-specific **number of 2-year-old children** assessed per year **for the past 5 years** (2012–2016). These data show a 57 percent statewide decrease from 2012 to 2016. Twenty-four CHDs had a  $\geq 50$  percent decrease, and 17 CHDs had  $\leq 10$  in either or both 2012 and 2016. Of those 17 CHDs, 4 had no 2-year-old-children in their immunization home.

Children who miss the fourth dose of DTaP negatively impact statewide efforts to achieve immunization coverage goals. We must focus on the following areas to improve our 2-year-old immunization coverage rates:

- Regularly schedule automated reminder and recall processes via Florida SHOTS to identify active clients and improve overall compliance with the recommended immunization schedule, particularly for the fourth dose of DTaP and PCV vaccines.
- Use the immunization internal operating policies, technical assistance guidelines, and the *Immunization Guidelines for Florida Schools, Childcare Facilities and Family Daycare Homes*.
- Develop and implement interventions toward geographic areas with populations at high risk for under-immunization or "pockets of need."
- Assess the impact of recommended interventions on service delivery.
- Use clinical and WIC visits to assess immunization status, encourage vaccination compliance, and provide appropriate immunizations.

The Immunization Section field staff representatives may assist you in identifying specific areas to improve strategies to increase your immunization rates. The Quality Improvement Clinical team is also available to provide technical assistance and guidance as needed. These collaborative efforts will help us reach our coverage goals for Florida's 2-year-old children and enable us to achieve our common goal of providing Florida's infant population with the best protection possible against vaccine-preventable diseases.

CB/RMG/aw  
Enclosures

cc: Paul D. Myers, MS, Acting Deputy Secretary  
County Health Systems

Assessment of County Health Department Immunization  
Coverage levels in Two-Year-Old Children (2016)  
Page Three  
May 23, 2016

cc: Continued:

Patricia L. Ryder, MD, MPH, Chief  
Bureau of Communicable Diseases  
Robert M. Griffin, Administrator  
Immunization Section  
Shannon Hughes, Director  
Division of Community Health Promotion  
Mansooreh Salari, MD, Director  
Division of Children's Medical Services  
Steven F. Chapman, Ph.D., Director  
Division of Public Health Statistics and Performance Management  
Kris-Tena Albers, CNM, MN, Chief  
Bureau of Family Health Services  
Jeanne Lane, CPM, ASQ-CQIA, Interim Chief  
Bureau of Performance Assessment and Improvement  
County Health Department Nursing Directors  
Immunization Section Field Staff

County Health Department Immunization Client<sup>1</sup>  
Coverage Levels<sup>2</sup> at 24 Months of Age, January 1, 2016<sup>3</sup>  
FLORIDA<sup>4</sup>, By County

County	Total Clients	4:3:1:3:3:1:4 <sup>5</sup>	
		Clients <sup>6</sup>	%
Alachua	129	123	95%
Baker	17	16	94%
Bay	39	37	95%
Bradford	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Brevard	209	207	99%
Broward	238	226	95%
Calhoun	24	23	96%
Charlotte	67	67	100%
Citrus	19	19	100%
Clay	119	113	95%
Collier	275	272	99%
Columbia	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Dade	485	461	95%
Desoto	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Dixie	25	20	80%
Duval	793	706	89%
Escambia	134	109	81%
Flagler	90	80	89%
Franklin	57	56	98%
Gadsden	49	38	78%
Gilchrist	23	21	91%
Glades	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Gulf	34	32	94%
Hamilton	11	11	100%
Hardee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hendry	61	53	87%
Hernando	58	54	93%
Highlands	11	11	100%
Hillsborough	152	97	64%
Holmes	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Indian River	163	163	100%
Jackson	41	34	83%
Jefferson	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Lafayette	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>

County	Total Clients	4:3:1:3:3:1:4 <sup>5</sup>	
		Clients <sup>6</sup>	%
Lake	102	97	95%
Lee	132	128	97%
Leon	52	51	98%
Levy	16	14	88%
Liberty	31	31	100%
Madison	15	13	87%
Manatee	42	42	100%
Marion	92	77	84%
Martin	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Monroe	282	265	94%
Nassau	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Okaloosa	169	166	98%
Okeechobee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Orange	346	329	95%
Osceola	363	348	96%
Palm Beach	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Pasco	81	79	98%
Pinellas	92	91	99%
Polk	423	393	93%
Putnam	11	10	91%
Santa Rosa	52	50	96%
Sarasota	374	367	98%
Seminole	51	51	100%
St Johns	21	20	95%
St Lucie	49	47	96%
Sumter	25	25	100%
Suwannee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Taylor	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Union	17	14	82%
Volusia	93	88	95%
Wakulla	28	28	100%
Walton	190	171	90%
Washington	18	18	100%
<b>State Totals<sup>8</sup></b>	<b>6,490</b>	<b>6,062</b>	<b>93%</b>

<sup>1</sup> Children with a county health department immunization home.

<sup>2</sup> Levels presented as percentages +/- 95% Confidence Interval.

<sup>3</sup> Children in this immunization survey were 24-35 months of age on January 1, 2016.

<sup>4</sup> Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2016.

<sup>5</sup> Four or more doses of any diphtheria and tetanus toxoids and pertussis vaccine (DTaP); 3 or more doses of any poliovirus vaccine; 1 or more doses of measles, mumps, and rubella (MMR) vaccine; 3 or more doses of *Haemophilus influenzae* type b (Hib) vaccine; 3 or more doses of hepatitis B vaccine; 1 or more doses of varicella (VZV) vaccine; and 4 or more doses of pneumococcal conjugate (PCV) vaccine.

<sup>6</sup> Estimated number of children complete for specified immunization series.

<sup>7</sup> County specific data (from Florida SHOTS) excluded due to "Number of Clients" being ≤ 10.

<sup>8</sup> State totals adjusted to exclude counties reporting "Number of Clients" being ≤ 10.

County Health Department Immunization Client<sup>1</sup>  
Coverage Levels<sup>2</sup> at 12 Months of Age, January 1, 2016<sup>3</sup>  
FLORIDA<sup>4</sup>, By County

County	Total Clients	3:2:2:2 <sup>9</sup>	
		Clients <sup>6</sup>	%
Alachua	126	108	86%
Baker	15	14	93%
Bay	46	37	80%
Bradford	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Brevard	159	151	95%
Broward	286	209	73%
Calhoun	57	47	82%
Charlotte	53	51	96%
Citrus	27	18	67%
Clay	146	140	96%
Collier	229	211	92%
Columbia	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Dade	459	459	100%
Desoto	17	13	76%
Dixie	16	14	88%
Duval	840	731	87%
Escambia	236	184	78%
Flagler	140	104	74%
Franklin	79	72	91%
Gadsden	24	11	46%
Gilchrist	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Glades	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Gulf	56	51	91%
Hamilton	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hardee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hendry	60	53	88%
Hernando	42	41	98%
Highlands	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hillsborough	70	41	59%
Holmes	14	13	93%
Indian River	160	158	99%
Jackson	31	22	71%
Jefferson	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Lafayette	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>

County	Total Clients	3:2:2:2 <sup>9</sup>	
		Clients <sup>6</sup>	%
Lake	110	101	92%
Lee	148	135	91%
Leon	74	51	69%
Levy	11	10	91%
Liberty	37	33	89%
Madison	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Manatee	25	23	92%
Marion	79	59	75%
Martin	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Monroe	321	299	93%
Nassau	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Okaloosa	162	138	85%
Okeechobee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Orange	230	175	76%
Osceola	553	365	66%
Palm Beach	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Pasco	46	46	100%
Pinellas	81	81	100%
Polk	515	366	71%
Putnam	16	11	69%
Santa Rosa	29	26	90%
Sarasota	310	301	97%
Seminole	42	42	100%
St Johns	39	33	85%
St Lucie	46	40	87%
Sumter	15	15	100%
Suwannee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Taylor	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Union	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Volusia	90	73	81%
Wakulla	27	25	93%
Walton	219	191	87%
Washington	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
<b>State Totals<sup>8</sup></b>	<b>6,613</b>	<b>5,590</b>	<b>85%</b>

<sup>1</sup> Children with a county health department immunization home.

<sup>2</sup> Levels presented as percentages +/- 95% Confidence Interval.

<sup>3</sup> Children in this immunization survey were 12-23 months of age on January 1, 2016.

<sup>4</sup> Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2016.

<sup>6</sup> Estimated number of children complete for specified immunization series.

<sup>7</sup> County specific data (from Florida SHOTS) excluded due to "Number of Clients" being ≤ 10.

<sup>8</sup> State totals (from Florida SHOTS) adjusted to exclude counties reporting "Number Clients" being ≤ 10.

<sup>9</sup> Three or more doses of any diphtheria and tetanus toxoids and pertussis vaccines (DTaP); 2 or more doses of any poliovirus vaccine; 2 or more doses of *Haemophilus influenzae* type b (Hib) vaccine; and 2 or more doses of hepatitis B vaccine.

County Health Department Immunization Client<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 24 Months of Age, January 1, 2016<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	4:3:1:3:3:1:4 <sup>5</sup>	
		Clients <sup>6</sup>	%
Alachua	129	123	95%
Alachua/Gainesville	117	111	95%
Alachua Clinic	10	9	90%
South West Clinic	2	2	100%
Baker	17	16	94%
Bay	39	37	95%
Bradford	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Brevard	209	207	99%
Melbourne	100	99	99%
Titusville	48	48	100%
Viera	61	60	98%
Broward	238	226	95%
Mills	156	148	95%
Paul Hughes	82	77	94%
Calhoun	24	23	96%
Charlotte	67	67	100%
Citrus	19	19	100%
Crystal River Health Unit	5	5	100%
Inverness Health Unit	8	8	100%
Lecanto Main Health Unit	6	6	100%
Clay	119	113	95%
Green Cove Springs	40	40	100%
North Clinic	79	73	92%
Collier	275	272	99%
Immokalee	134	133	99%
Naples	141	140	99%
Columbia	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Dade	485	461	95%
Health District Center	257	247	96%
Immunization Outreach	4	4	100%
Little Haiti	45	42	93%
North Miami	51	50	98%
Refugee	7	2	29%
West Perrine	121	116	96%
Desoto	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Dixie	25	20	80%
Duval	793	706	89%
Beaches Family Health Center	107	97	91%
Center For Women And Children	272	245	90%
South Jax Family Health Center	112	109	97%
The Immunization Center	118	89	75%
Wesconnett F.H.C	106	92	87%
West Jax Family Health	78	71	91%

County Health Department Immunization Client<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 24 Months of Age, January 1, 2016<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	4:3:1:3:3:1:4 <sup>5</sup>	
		Clients <sup>6</sup>	%
Escambia	134	109	81%
Escambia	123	98	80%
Northside Clinic	11	10	91%
Flagler	90	80	89%
Franklin	57	56	98%
Franklin	47	46	98%
Franklin Annex	10	10	100%
Gadsden	49	38	78%
Gilchrist	23	21	91%
Glades	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Gulf	34	32	94%
Port St. Joe Clinic	31	30	97%
Wewahitchka Clinic	3	2	67%
Hamilton	11	11	100%
Hardee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hendry	61	53	87%
Clewiston Clinic	12	9	75%
Labelle Clinic	49	44	90%
Hernando	58	54	93%
Spring Hill	47	44	94%
Brooksville	11	10	91%
Highlands	11	11	100%
Hillsborough	152	97	64%
Main Immunizations	120	92	77%
Refugee Clinic	32	6	19%
Holmes	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Indian River	163	163	100%
Jackson	41	34	83%
Jefferson	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Lafayette	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Lake	102	97	95%
Clermont	21	21	100%
Leesburg	37	34	92%
Umatilla	44	42	95%
Lee	132	128	97%
Michigan Avenue	126	122	97%
Pondella Clinic	6	6	100%
Leon	52	51	98%
Pharmacy	2	2	100%
Roberts And Stevens	50	49	98%
Levy	16	14	88%
Liberty	31	31	100%
Madison	15	13	87%

County Health Department Immunization Client<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 24 Months of Age, January 1, 2016<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	4:3:1:3:3:1:4 <sup>5</sup>	
		Clients <sup>6</sup>	%
Manatee	42	42	100%
Marion	92	77	84%
Central Pharmacy	48	42	88%
Ocala	44	35	80%
Martin	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Monroe	282	265	94%
Roosevelt Sands Center	200	192	96%
Tavernier	21	19	90%
Marathon	61	55	90%
Nassau	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Okaloosa	169	166	98%
Crestview	26	26	100%
Fort Walton Beach	143	140	98%
Okeechobee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Orange	346	329	95%
Bithlo	1	1	100%
Central Immunizations	318	299	94%
Employee Health	2	2	100%
Engelwood	5	5	100%
Epidemiology	2	2	100%
NCF	9	9	100%
Refugee	1	1	100%
School Health	4	4	100%
Taft	4	4	100%
Osceola	363	348	96%
Imm Clinic	279	271	97%
Poinciana	67	64	96%
St. Cloud	2	2	100%
Stadium Place	15	13	87%
Palm Beach	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Pasco	81	79	98%
Dade City	21	20	95%
Land O Lakes Clinic	9	9	100%
Main Street Clinic	1	1	100%
NPR	29	29	100%
Zephyrhills Clinic	21	20	95%
Pinellas	92	91	99%
Clearwater Health	21	21	100%
Midcounty Health Cen	32	32	100%
Pinellas Park Health	17	17	100%
St Petersburg Health	19	18	95%
Tarpon Springs Health	3	3	100%
Polk	423	393	93%

County Health Department Immunization Client<sup>1</sup>  
Coverage Levels<sup>2</sup> at 24 Months of Age, January 1, 2016<sup>3</sup>  
FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	4:3:1:3:3:1:4 <sup>5</sup>	
		Clients <sup>6</sup>	%
Auburndale	143	134	94%
Haines City	37	32	86%
Lake Wales	46	45	98%
Lakeland	197	183	93%
Putnam	11	10	91%
Santa Rosa	52	50	96%
Gulf Breeze	4	3	75%
Milton Clinic	48	47	98%
Sarasota	374	367	98%
Childrens Health	138	135	98%
North Port Clinic	99	95	96%
Ringling Clinic	137	136	99%
Seminole	51	51	100%
St Johns	21	20	95%
St Lucie	49	47	96%
Sumter	25	25	100%
Bushnell	17	17	100%
Wildwood	8	8	100%
Suwannee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Taylor	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Union	17	14	82%
New River Community	4	2	50%
Union	13	12	92%
Volusia	93	88	95%
Daytona Beach	44	40	91%
Deland	12	12	100%
Deltona	23	23	100%
New Smyrna Beach	14	13	93%
Wakulla	28	28	100%
Walton	190	171	90%
Coastal Branch	91	80	88%
Walton CHD	99	91	92%
Washington	18	18	100%

<sup>1</sup> Children with a county health department immunization home.

<sup>2</sup> Levels presented as percentages +/- 95% Confidence Interval.

<sup>3</sup> Children in this immunization survey were 24-35 months of age on January 1, 2016.

<sup>4</sup> Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2016.

<sup>5</sup> Four or more doses of any diphtheria and tetanus toxoids and pertussis vaccine (DTaP); 3 or more doses of any poliovirus vaccine; 1 or more doses of measles, mumps, and rubella (MMR) vaccine; 3 or more doses of *Haemophilus influenzae* type b (Hib) vaccine; 3 or more doses of hepatitis B vaccine; 1 or more doses of varicella (VZV) vaccine; and 4 or more doses of pneumococcal conjugate (PCV) vaccine.

<sup>6</sup> Estimated number of children complete for specified immunization series.

<sup>7</sup> County specific data (from Florida SHOTS) excluded due to "Number of Clients" being ≤ 10.

<sup>10</sup> Sites with no clients were removed from this report.

County Health Department Immunization Client<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 12 Months of Age, January 1, 2016<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	3:2:2:2 <sup>9</sup>	
		Clients <sup>6</sup>	%
Alachua	126	108	86%
Alachua Clinic	10	7	70%
Gainesville	116	101	87%
Baker	15	14	93%
Bay	46	37	80%
Bradford	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Brevard	159	151	95%
Melbourne	88	84	95%
Titusville	30	28	93%
Viera	41	39	95%
Broward	286	209	73%
Ft Lauderdale	3	2	67%
Mills	182	127	70%
Paul Hughes Health Center	99	80	81%
Refugee Clinic	2		0%
Calhoun	57	47	82%
Charlotte	53	51	96%
Port Charlotte	53	51	96%
Citrus	27	18	67%
Crystal River Health Unit	7	4	57%
Inverness Health Unit	13	9	69%
Lecanto Main Health Unit	7	5	71%
Clay	146	140	96%
Green Cove Springs	27	27	100%
North Clinic	119	113	95%
Collier	229	211	92%
Immokalee	90	81	90%
Naples	139	131	94%
Columbia	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Dade	459	459	100%
Health District Center	230	230	100%
Little Haiti Health Center	44	43	98%
North Miami Hlth Center	61	61	100%
Refugee Health Center	8	8	100%
West Perrine Health Center	116	115	99%
Desoto	17	13	76%
Dixie	16	14	88%
Duval	840	731	87%
Agape Community Health Center	2	1	50%
Beaches Family Health Center	94	90	96%
Center For Pulmonary Services	1	0	0%
Center For Women And Children	295	268	91%
Wesconnett F.H.C	113	99	88%
Employee Health	1	0	0%
South Jax Family Health Center	157	135	86%

County Health Department Immunization Client<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 12 Months of Age, January 1, 2016<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	3:2:2:2 <sup>9</sup>	
		Clients <sup>6</sup>	%
The Immunization Center	87	61	70%
West Jax Family Health	90	77	86%
Escambia	236	184	78%
Escambia CHD	222	173	78%
Molino Rural	1	1	100%
Northside Clinic	13	9	69%
Flagler	140	104	74%
Franklin	79	72	91%
Franklin	64	58	91%
Franklin Annex	15	14	93%
Gadsden	24	11	46%
Gilchrist	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Glades	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Gulf	56	51	91%
Port St. Joe Clinic	47	43	91%
Wewahitchka Clinic	9	8	89%
Hamilton	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hardee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hendry	60	53	88%
Clewiston Clinic	16	14	88%
Labelle Clinic	44	39	89%
Hernando	42	41	98%
Brooksville	6	5	83%
Spring Hill	36	36	100%
Highlands	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Hillsborough	70	41	59%
Main Immunizations	54	34	63%
Refugee Clinic	16	7	44%
Holmes	14	13	93%
Indian River	160	158	99%
Jackson	31	22	71%
Jefferson	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Lafayette	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Lake	110	101	92%
Clermont	12	11	92%
Leesburg	52	46	88%
Umatilla	46	44	96%
Lee	148	135	91%
Michigan Avenue	139	126	91%
Pondella Clinic	9	9	100%
Leon	74	51	69%
Pharmacy	2	0	0%
Roberts And Stevens	72	51	71%
Levy	11	10	91%
Liberty	37	33	89%

County Health Department Immunization Client<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 12 Months of Age, January 1, 2016<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	3:2:2:2 <sup>9</sup>	
		Clients <sup>6</sup>	%
Madison	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Manatee	25	23	92%
Marion	79	59	75%
Central Pharmacy	63	49	78%
Ocala	16	10	63%
Martin	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Monroe	321	299	93%
Roosevelt Sands Center	239	225	94%
Ruth Ivins Center - Marathon	65	59	91%
Tavernier	17	16	94%
Nassau	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Okaloosa	162	138	85%
Crestview	34	28	82%
Fort Walton Beach	128	110	86%
Okeechobee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Orange	230	175	76%
Bithlo	2	2	100%
Central Immunizations	199	151	76%
Employee Health	1	1	100%
Engelwood	9	7	78%
NCF	4	2	50%
Refugee	3	1	33%
School Health	1	1	100%
Taft	11	10	91%
Osceola	553	365	66%
Imm Clinic	366	245	67%
Poinciana	124	82	66%
St. Cloud	1	1	100%
Stadium Place	62	39	63%
Palm Beach	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Pasco	46	46	100%
Dade City	10	10	100%
Land O Lakes Clinic	7	7	100%
NPR	15	15	100%
Zephyrhills Clinic	14	14	100%
Pinellas	81	81	100%
Clearwater Health	22	22	100%
Midcounty Health Center	27	27	100%
Park Health	10	10	100%
St Petersburg Health	12	12	100%
Tarpon Springs Health	10	10	100%
Polk	515	366	71%
Auburndale	139	100	72%
Haines City	56	39	70%
Immunizations	1	1	100%

County Health Department Immunization Client<sup>1</sup>  
Coverage Levels<sup>2</sup> at 12 Months of Age, January 1, 2016<sup>3</sup>  
FLORIDA<sup>4</sup>, By County and Site<sup>10</sup>

County & Site	Total Clients	3:2:2:2 <sup>9</sup>	
		Clients <sup>6</sup>	%
Lake Wales	58	36	62%
Lakeland	261	188	72%
Putnam	16	11	69%
Santa Rosa	29	26	90%
Gulf Breeze	1	1	100%
Milton Clinic	28	25	89%
Sarasota	310	301	97%
Childrens Health	148	147	99%
Mobile Medical Unit	1	1	100%
North Port Clinic	70	67	96%
Ringling Clinic	91	87	96%
Seminole	42	42	100%
St Johns	39	33	85%
St Lucie	46	40	87%
Sumter	15	15	100%
Bushnell	10	10	100%
Wildwood	5	5	100%
Suwannee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Taylor	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Union	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Volusia	90	73	81%
Daytona Beach	44	36	82%
Deland	20	15	75%
Deltona	15	13	87%
New Smyrna Beach	11	9	82%
Wakulla	27	25	93%
Walton	219	191	87%
Coastal Branch	108	92	85%
Walton CHD	111	99	89%
Washington	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>

<sup>1</sup> Children with a county health department immunization home.

<sup>2</sup> Levels presented as percentages +/- 95% Confidence Interval.

<sup>3</sup> Children in this immunization survey were 12-23 months of age on January 1, 2016.

<sup>4</sup> Data collected from the Florida State Health Online Tracking System (SHOTS) on January 4, 2016.

<sup>6</sup> Estimated number of children complete for specified immunization series.

<sup>7</sup> County specific data (from Florida SHOTS) excluded due to "Number of Clients" being  $\leq 10$ .

<sup>9</sup> Three or more doses of any diphtheria and tetanus toxoids and pertussis vaccines (DTaP); 2 or more doses of any poliovirus vaccine; 2 or more doses of *Haemophilus influenzae* type b (Hib) vaccine; and 2 or more doses of hepatitis B vaccine.

<sup>10</sup> Sites with no clients were removed from this report.

County Health Department Immunization Clients<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 24 Months of Age<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County, 2012–2016

County	4:3:1:3:3:1:4 <sup>5</sup>				
	2012	2013	2014	2015	2016
Alachua	96%	91%	90%	96%	95%
Baker	78%	81%	92%	78%	94%
Bay	93%	72%	73%	92%	95%
Bradford	N/A <sup>7</sup>	N/A <sup>7</sup>	100%	N/A <sup>7</sup>	N/A <sup>7</sup>
Brevard	98%	95%	98%	99%	99%
Broward	N/A <sup>7</sup>	N/A <sup>7</sup>	50%	97%	95%
Calhoun	71%	84%	95%	88%	96%
Charlotte	90%	93%	77%	89%	100%
Citrus	92%	95%	94%	98%	100%
Clay	89%	93%	88%	93%	95%
Collier	96%	94%	95%	96%	99%
Columbia	N/A <sup>7</sup>	N/A <sup>7</sup>	56%	N/A <sup>7</sup>	N/A <sup>7</sup>
Dade	92%	93%	91%	92%	95%
Desoto	87%	86%	67%	80%	N/A <sup>7</sup>
Dixie	98%	90%	85%	88%	80%
Duval	91%	89%	89%	89%	89%
Escambia	94%	97%	97%	93%	81%
Flagler	91%	100%	98%	99%	89%
Franklin	100%	100%	100%	97%	98%
Gadsden	99%	98%	80%	97%	78%
Gilchrist	98%	94%	93%	88%	91%
Glades	86%	94%	75%	N/A <sup>7</sup>	N/A <sup>7</sup>
Gulf	82%	96%	91%	100%	94%
Hamilton	87%	100%	82%	N/A <sup>7</sup>	100%
Hardee	97%	98%	93%	100%	N/A <sup>7</sup>
Hendry	93%	91%	85%	97%	87%
Hernando	97%	93%	95%	90%	93%
Highlands	97%	100%	100%	100%	100%
Hillsborough	100%	100%	82%	76%	64%
Holmes	95%	91%	81%	100%	N/A <sup>7</sup>
Indian River	100%	100%	100%	100%	100%
Jackson	80%	78%	82%	73%	83%
Jefferson	92%	94%	88%	60%	N/A <sup>7</sup>
Lafayette	N/A <sup>7</sup>	N/A <sup>7</sup>	83%	N/A <sup>7</sup>	N/A <sup>7</sup>
Lake	93%	93%	94%	93%	95%
Lee	89%	85%	85%	70%	97%
Leon	100%	95%	95%	94%	98%
Levy	97%	92%	90%	92%	88%
Liberty	79%	96%	88%	100%	100%
Madison	85%	75%	88%	91%	87%
Manatee	100%	76%	96%	97%	100%
Marion	90%	88%	88%	80%	84%
Martin	86%	87%	93%	N/A <sup>7</sup>	N/A <sup>7</sup>

County Health Department Immunization Clients<sup>1</sup>  
 Coverage Levels<sup>2</sup> at 24 Months of Age<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County, 2012–2016

County	4:3:1:3:3:1:4 <sup>5</sup>				
	2012	2013	2014	2015	2016
Monroe	88%	90%	91%	89%	94%
Nassau	62%	N/A <sup>7</sup>	100%	78%	N/A <sup>7</sup>
Okaloosa	97%	98%	97%	98%	98%
Okeechobee	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>	N/A <sup>7</sup>
Orange	87%	88%	83%	93%	95%
Osceola	94%	95%	90%	92%	96%
Palm Beach	86%	88%	82%	N/A <sup>7</sup>	N/A <sup>7</sup>
Pasco	73%	98%	99%	96%	98%
Pinellas	97%	98%	96%	99%	99%
Polk	96%	83%	89%	94%	93%
Putnam	100%	88%	77%	100%	91%
Santa Rosa	93%	93%	78%	85%	96%
Sarasota	94%	91%	90%	92%	98%
Seminole	99%	97%	98%	85%	100%
St Johns	82%	92%	79%	100%	95%
St Lucie	95%	90%	89%	94%	96%
Sumter	98%	71%	97%	98%	100%
Suwannee	100%	98%	95%	95%	N/A <sup>7</sup>
Taylor	N/A <sup>7</sup>	N/A <sup>7</sup>	31%	N/A <sup>7</sup>	N/A <sup>7</sup>
Union	N/A <sup>7</sup>	100%	N/A <sup>7</sup>	N/A <sup>7</sup>	82%
Volusia	95%	95%	91%	92%	95%
Wakulla	100%	100%	100%	100%	100%
Walton	87%	88%	85%	84%	90%
Washington	N/A <sup>7</sup>	100%	100%	100%	100%
State Totals <sup>8</sup>	93%	88%	88%	91%	93%

<sup>1</sup> Children with a county health department (CHD) immunization home.

<sup>2</sup> Levels presented as percentages +/- 95% Confidence Interval.

<sup>3</sup> Children were 24-35 months of age on January 1 of each year indicated.

<sup>4</sup> Data collected from the Florida State Health Online Tracking System (SHOTS).

<sup>5</sup> Four or more doses of any diphtheria and tetanus toxoids and pertussis vaccine (DTaP); 3 or more doses of any poliovirus vaccine; 1 or more doses of measles, mumps, and rubella (MMR) vaccine; 3 or more doses of *Haemophilus influenzae* type b (Hib) vaccine; 3 or more doses of hepatitis B vaccine; 1 or more more doses of varicella (VZV) vaccine, and four or more doses of pneumococcal conjugate (PCV) vaccine.

<sup>7</sup> County specific data (from Florida SHOTS) excluded due to "Total Clients Sampled" being ≤ 10.

<sup>8</sup> State totals adjusted to exclude counties reporting "Clients Sampled" being ≤ 10.

County Health Department Immunization Clients<sup>1</sup>  
 24 - 35 Months of Age<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County, 2012–2016

County	2012	2013	2014	2015	2016
Alachua	212	163	143	122	129
Baker	68	58	52	23	17
Bay	90	95	104	49	39
Bradford	N/A <sup>7</sup>	N/A <sup>7</sup>	11	N/A <sup>7</sup>	N/A <sup>7</sup>
Brevard	284	206	164	167	209
Broward	N/A <sup>7</sup>	N/A <sup>7</sup>	223	107	238
Calhoun	24	31	59	51	24
Charlotte	230	182	146	83	67
Citrus	62	59	54	48	19
Clay	37	45	51	56	119
Collier	345	379	361	352	275
Columbia	N/A <sup>7</sup>	N/A <sup>7</sup>	18	N/A <sup>7</sup>	N/A <sup>7</sup>
Dade	517	450	504	418	485
Desoto	23	21	27	20	N/A <sup>7</sup>
Dixie	40	31	40	33	25
Duval	1,376	1,222	1,247	1,071	793
Escambia	816	689	387	230	134
Flagler	135	120	96	88	90
Franklin	20	15	37	60	57
Gadsden	72	82	108	70	49
Gilchrist	46	48	29	33	23
Glades	29	18	12	N/A <sup>7</sup>	N/A <sup>7</sup>
Gulf	28	25	35	22	34
Hamilton	23	14	17	N/A <sup>7</sup>	11
Hardee	130	97	61	23	N/A <sup>7</sup>
Hendry	110	104	88	60	61
Hernando	96	73	78	67	58
Highlands	33	12	22	11	11
Hillsborough	2,221	475	415	196	152
Holmes	39	44	31	13	N/A <sup>7</sup>
Indian River	257	263	249	211	163
Jackson	54	50	50	41	41
Jefferson	26	18	16	15	N/A <sup>7</sup>
Lafayette	N/A <sup>7</sup>	N/A <sup>7</sup>	12	N/A <sup>7</sup>	N/A <sup>7</sup>
Lake	136	159	143	136	102
Lee	363	266	184	181	132
Leon	107	110	96	52	52
Levy	32	37	29	24	16
Liberty	34	25	24	20	31
Madison	98	76	68	34	15
Manatee	82	70	56	34	42
Marion	343	391	251	113	92
Martin	125	108	29	N/A <sup>7</sup>	N/A <sup>7</sup>

County Health Department Immunization Clients<sup>1</sup>  
 24 - 35 Months of Age<sup>3</sup>  
 FLORIDA<sup>4</sup>, By County, 2012–2016

County	2012	2013	2014	2015	2016
Monroe	311	273	289	293	282
Nassau	13	N/A <sup>7</sup>	12	23	N/A <sup>7</sup>
Okaloosa	173	128	98	190	169
Okeechobee	N/A <sup>7</sup>				
Orange	965	562	393	390	346
Osceola	657	547	469	421	363
Palm Beach	311	252	197	N/A <sup>7</sup>	N/A <sup>7</sup>
Pasco	270	213	137	99	81
Pinellas	543	406	276	122	92
Polk	790	803	679	548	423
Putnam	49	59	52	20	11
Santa Rosa	119	145	154	123	52
Sarasota	932	898	802	490	374
Seminole	248	191	164	147	51
St Johns	68	63	53	32	21
St Lucie	95	94	73	77	49
Sumter	54	58	63	53	25
Suwannee	47	46	39	22	N/A <sup>7</sup>
Taylor	N/A <sup>7</sup>	N/A <sup>7</sup>	13	N/A <sup>7</sup>	N/A <sup>7</sup>
Union	N/A <sup>7</sup>	11	N/A <sup>7</sup>	N/A <sup>7</sup>	17
Volusia	415	224	162	119	93
Wakulla	28	22	18	16	28
Walton	193	215	214	187	190
Washington	N/A <sup>7</sup>	18	17	24	18
<b>State Totals<sup>8</sup></b>	<b>15,044</b>	<b>11,559</b>	<b>10,201</b>	<b>7,730</b>	<b>6,490</b>

<sup>1</sup> Children with a county health department (CHD) immunization home.

<sup>3</sup> Children were 24-35 months of age on January 1 of each year indicated.

<sup>4</sup> Data collected from Florida State Health Online Tracking System (SHOTS).

<sup>7</sup> County specific data (from Florida SHOTS) excluded due to "Total Clients Sampled" being ≤ 10.

<sup>8</sup> State totals adjusted to exclude counties reporting "Clients Sampled" being ≤ 10.