



Charlie Crist
Governor

Ana M. Viamonte Ros, M.D., M.P.H.
Secretary of Health

INTEROFFICE MEMORANDUM

DATE: March 29, 2006
TO: County Health Department Directors/Administrators
FROM: Bonita J. Sorensen, M.D., M.B.A.
Deputy Secretary for Health
SUBJECT: Assessment of County Health Department
Clinic Immunization-Coverage Levels (2006)

INFORMATION ONLY *(Signature on file)*

In March 2006, the county health departments (CHDs) completed the annual assessment of immunization-coverage levels of one- and two-year-old children who received services in their facilities. They used the Clinic Assessment Software Application (CASA), developed by the Centers for Disease Control and Prevention, to assess clinic immunization-coverage rates. CASA uses immunization data exported from the immunization module of the Health Clinic Management System. The data export contained all active records for children 12 to 23 months old and children 24 to 35 months old, with a common review date of January 1, 2006.

CASA provides an excellent means for assisting healthcare providers in assessing and managing the immunization coverage of their clients. Both public and private providers widely use this software to identify areas where intervention strategies may need to be developed or implemented to increase immunization-coverage levels.

The four DTaP, three polio, one MMR (4/3/1) series has historically been the benchmark in measuring immunization-coverage rates for children between 24 and 35 months old in Florida. Statewide CASA results, as detailed in Attachment 1, indicate that 89 percent of CHD clients between 24 and 35 months old completed the 4/3/1 series by their second birthday. In respect to the "85 by '05" goal, the next step was to assess coverage rates based on four DTaP, three polio, one MMR, and three Hib (4/3/1/3) series. This year's CASA results also revealed that 88 percent of CHD clients in this age group finished the 4/3/1/3 series by 24 months old. The results demonstrate an improvement from last year's coverage rates of 86 percent for the 4/3/1 series and 85 percent for the 4/3/1/3 series. To further illustrate the improvement in 4/3/1/3 coverage levels in 2006, 14 CHDs have CASA levels between 85 and 89 percent; and 34 CHDs have levels of 90 percent or better. When compared to 2005, 13 CHDs had 4/3/1/3 CASA rates between 85 and 89 percent; and 30 CHDs had rates of 90 percent or better.

Nonetheless, CHDs must continue to focus their efforts on children 12 to 23 months old to exceed the 85 percent goal. The assessment of this cohort of children in the public sector, as portrayed in Attachment 2, shows that 85 percent completed three DTaP, two polio, two Hib, and two Hepatitis B vaccines by 12 months of age.

The assessment identifies areas where CHDs can focus their efforts to improve coverage levels. Both clinic and countywide results should serve as a critical component of ongoing

quality assurance reviews. CHD staff should routinely employ CASA to assess coverage levels and evaluate service delivery. Assessments provide data about vaccine delivery practices and vaccine coverage that motivate and assist staff in developing and implementing best practices. In addition, Standard 16 of the *Standards for Child and Adolescent Immunization Practices* promotes semi-annual audits to assess immunization-coverage levels and a review of immunization records in the provider's patient population.

To continue exceeding the 85 percent coverage goal among our two-year-old children and in working towards meeting future goals, CHDs must focus their energy and resources in the following key areas:

- Implement fully the CHD Guidebook's immunization internal operating policies and technical assistance guidelines.
- Develop effective strategies for achieving high, sustainable, vaccine coverage levels.
- Assess the impact of intervention and service delivery practices.
- Use all clinic encounters to assess immunization status and provide appropriate immunizations.
- Use the local immunization module and CASA diagnostic report for analysis of missed opportunities, simultaneous immunizations, and dropout rates.
- Use the immunization module reminder/recall function to maintain clients on the recommended schedule.
- Eliminate duplicate client records in the Health Clinic Management System.
- Inactivate clients in the immunization module who are documented as having moved or gone elsewhere.
- Assign clients to the correct immunization-record site location that reflects their immunization home CHD by specific clinic, specific private provider, or a generic private provider site.

If you have any questions or comments, please contact your area Bureau of Immunization field staff, as indicated in Attachment 3.

BJS/cha/ss
Attachments

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COUNTY HEALTH DEPARTMENT CLIENT IMMUNIZATION COVERAGE LEVELS*
AT 24 MONTHS OF AGE, JANUARY 1, 2006

County	Total Clients Sampled	Complete with 4/3/1**		Complete with 4/3/1/3***		Complete with 4/3/1/3/3****		Complete with 4/3/1/3/3/1*****	
		Clients	%	Clients	%	Clients	%	Clients	%
Alachua	201	178	89%	178	89%	177	88%	177	88%
Baker	40	39	98%	39	98%	39	98%	39	98%
Bay	71	68	96%	68	96%	68	96%	68	96%
Bradford	47	40	85%	40	85%	40	85%	39	83%
Brevard	427	389	91%	389	91%	389	91%	383	90%
Broward	279	227	81%	213	76%	213	76%	198	71%
Calhoun	35	19	54%	19	54%	18	51%	18	51%
Charlotte	350	304	87%	299	85%	298	85%	274	78%
Citrus	287	270	94%	270	94%	270	94%	267	93%
Clay	137	117	85%	117	85%	117	85%	115	84%
Collier	431	422	98%	419	97%	419	97%	413	96%
Columbia	12	9	75%	9	75%	9	75%	8	67%
Miami-Dade	805	540	67%	522	65%	511	63%	480	60%
DeSoto	53	42	79%	42	79%	40	75%	40	75%
Dixie	101	96	95%	96	95%	96	95%	96	95%
Duval	1051	948	90%	942	90%	936	89%	916	87%
Escambia	652	560	86%	558	86%	556	85%	548	84%
Flagler	77	62	81%	60	78%	59	77%	58	75%
Franklin	37	30	81%	30	81%	30	81%	29	78%
Gadsden	130	130	100%	130	100%	130	100%	130	100%
Gilchrist	88	84	95%	84	95%	84	95%	83	94%
Glades	37	30	81%	30	81%	30	81%	30	81%
Gulf	18	15	83%	15	83%	15	83%	14	78%
Hamilton	25	23	92%	23	92%	23	92%	23	92%
Hardee	67	63	94%	63	94%	63	94%	60	90%
Hendry	16	13	81%	13	81%	13	81%	12	75%
Hernando	209	177	85%	176	84%	174	83%	168	80%
Highlands	33	32	97%	32	97%	32	97%	31	94%
Hillsborough	1389	1288	93%	1276	92%	1275	92%	1260	91%
Holmes	35	31	89%	31	89%	31	89%	31	89%
Indian River	325	317	98%	317	98%	317	98%	314	97%
Jackson	9	9	100%	9	100%	9	100%	9	100%
Jefferson	16	15	94%	15	94%	15	94%	15	94%
Lafayette	20	17	85%	17	85%	17	85%	15	75%
Lake	345	330	96%	330	96%	330	96%	323	94%
Lee	908	824	91%	812	89%	809	89%	795	88%
Leon	146	138	95%	138	95%	138	95%	133	91%
Levy	37	36	97%	36	97%	36	97%	33	89%
Liberty	33	27	82%	27	82%	26	79%	26	79%
Madison	42	32	76%	32	76%	32	76%	32	76%

**COUNTY HEALTH DEPARTMENT CLIENT IMMUNIZATION COVERAGE LEVELS*
AT 24 MONTHS OF AGE, JANUARY 1, 2006**

County	Total Clients Sampled	Complete with 4/3/1**		Complete with 4/3/1/3***		Complete with 4/3/1/3/3****		Complete with 4/3/1/3/3/1*****	
		Clients	%	Clients	%	Clients	%	Clients	%
Manatee	291	230	79%	229	79%	224	77%	210	72%
Marion	801	680	85%	668	83%	668	83%	648	81%
Martin	131	126	96%	124	95%	122	93%	121	92%
Monroe	292	231	79%	231	79%	228	78%	224	77%
Nassau	37	25	68%	25	68%	25	68%	25	68%
Okaloosa	615	553	90%	550	89%	548	89%	538	87%
Okeechobee	4	4	100%	4	100%	4	100%	4	100%
Orange	504	483	96%	477	95%	475	94%	465	92%
Osceola	237	232	98%	230	97%	230	97%	225	95%
Palm Beach	1259	1137	90%	1124	89%	1120	89%	1102	88%
Pasco	741	693	94%	689	93%	688	93%	681	92%
Pinellas	446	406	91%	405	91%	404	91%	395	89%
Polk	737	661	90%	652	88%	652	88%	646	88%
Putnam	100	91	91%	91	91%	91	91%	91	91%
Saint Johns	346	303	88%	302	87%	300	87%	290	84%
Saint Lucie	128	121	95%	121	95%	121	95%	121	95%
Santa Rosa	158	137	87%	137	87%	137	87%	135	85%
Sarasota	714	580	81%	565	79%	564	79%	555	78%
Seminole	730	675	92%	671	92%	667	91%	653	89%
Sumter	83	83	100%	83	100%	83	100%	81	98%
Suwannee	87	83	95%	83	95%	83	95%	81	93%
Taylor	7	7	100%	7	100%	7	100%	7	100%
Union	29	27	93%	27	93%	27	93%	27	93%
Volusia	675	561	83%	558	83%	556	82%	546	81%
Wakulla	14	14	100%	14	100%	14	100%	13	93%
Walton	112	100	89%	100	89%	99	88%	97	87%
Washington	26	24	92%	24	92%	24	92%	23	88%
State Total	18,325	16,258	89%	16,107	88%	16,045	88%	15,707	86%

* Review includes children who were 24-35 months of age on January 1, 2006, using Clinic Assessment Software Application (CASA) Version 2.5.

** Immunization coverage level for DTP/DTaP 4, OPV/IPV 3, and MMR 1.

*** Immunization coverage level for DTP/DTaP 4, OPV/IPV 3, MMR 1, and Hib 3.

**** Immunization coverage level for DTP/DTaP 4, OPV/IPV 3, MMR 1, Hib 3, and Hep B 3.

***** Immunization coverage level for DTP/DTaP 4, OPV/IPV 3, MMR 1, Hib 3, Hep B3, and VZV 1

**COUNTY HEALTH DEPARTMENT CLIENT IMMUNIZATION COVERAGE
LEVELS* AT 12 MONTHS OF AGE, JANUARY 1, 2006**

County	Total Clients Sampled	Up-to-Date with 3/2/2**	
		Clients	%
Alachua	193	182	94%
Baker	27	24	89%
Bay	102	95	93%
Bradford	53	44	83%
Brevard	291	269	92%
Broward	136	91	67%
Calhoun	27	23	85%
Charlotte	389	297	76%
Citrus	174	158	91%
Clay	118	112	95%
Collier	364	355	98%
Columbia	21	15	71%
Miami-Dade	932	527	57%
DeSoto	19	17	89%
Dixie	74	63	85%
Duval	1002	890	89%
Escambia	884	624	71%
Flagler	121	107	88%
Franklin	31	28	90%
Gadsden	166	131	79%
Gilchrist	88	78	89%
Glades	33	32	97%
Gulf	25	23	92%
Hamilton	38	35	92%
Hardee	68	61	90%
Hendry	44	38	86%
Hernando	116	94	81%
Highlands	41	39	95%
Hillsborough	960	898	94%
Holmes	45	37	82%
Indian River	303	296	98%
Jackson	9	7	78%
Jefferson	11	8	73%
Lafayette	18	16	89%
Lake	277	272	98%
Lee	488	427	88%
Leon	120	102	85%
Levy	61	61	100%
Liberty	34	22	65%
Madison	23	19	83%
Manatee	334	252	75%
Marion	836	730	87%
Martin	234	193	82%
Monroe	271	216	80%

**COUNTY HEALTH DEPARTMENT CLIENT IMMUNIZATION COVERAGE
LEVELS* AT 12 MONTHS OF AGE, JANUARY 1, 2006**

County	Total Clients Sampled	Up-to-Date with 3/2/2/2**	
		Clients	%
Nassau	21	15	71%
Okaloosa	599	570	95%
Okeechobee	1	1	100%
Orange	465	398	86%
Osceola	297	271	91%
Palm Beach	1120	1025	92%
Pasco	393	357	91%
Pinellas	329	275	84%
Polk	473	395	84%
Putnam	77	69	90%
Saint Johns	263	235	89%
Saint Lucie	144	134	93%
Santa Rosa	72	54	75%
Sarasota	788	619	79%
Seminole	696	627	90%
Sumter	89	88	99%
Suwannee	81	74	91%
Taylor	2	1	50%
Union	9	8	89%
Volusia	467	373	80%
Wakulla	8	8	100%
Walton	91	80	88%
Washington	24	21	88%
State Total	16110	13706	85%

* Review includes children who were 12-23 months of age on January 1, 2006, using Clinic Assessment Software Application (CASA) Version 2.5.

** Immunization coverage level for DTP/DTaP 3, OPV/IPV 2, Hib 2, and Hep B 2