

How to understand the NCIR Assessment Summary report

Starting with page 1....

The phrase: Clients Associated with...:

Tells which client population is being assessed:

For Private Providers the choice will be either:

1. All Clients Associated with Selected Site
2. All Clients Associated with ... 'your selected organization'

The key variables on the first page are:

- ✿ Evaluation Date
- ✿ Date Report Was Run
- ✿ Age Group
- ✿ Birth Date Range
- ✿ Records Analyzed

Understanding these variables is critical to understanding the report!!!

The report starts by showing the number of Records Analyzed (based on the Date Report Was Run) for a specific Age Group with a defined Birth Date Range (which is based on the selected Evaluation Date).

The age groups include Clients who are:

- ◆ 36-72 months of age,
- ◆ 24-35 months of age,
- ◆ 12-23 months of age, and
- ◆ <12 months of age

as of the Evaluation Date, which was selected when the report was generated.

The Records Analyzed shows how many clients were in each Age Group as of the Date Report Was Run.

*Please be aware that data included within this report is NOT updated “real time”, but rather on a **nightly** basis. This means that certain information *for clients whose information changes during a particular day* will not be reflected until the following day. For example, if an organization sees 10 new clients today, those clients’ data won’t be included in the report until tomorrow. Or if 10 clients’ immunization histories are updated today, that information won’t be included until tomorrow.

How to review the **NCIR Assessment Summary** report

Verify the correct Client Population

Review the number of Records Analyzed

Note the Date Report Was Run

Adobe Reader - [The Child Health Center NCIR Assessment.pdf]

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NCIR Assessment Summary

Clients Associated with Provider: THE CHILD HEALTH CENTER

Evaluation Date: 07/01/2007 Date Report Was Run: 09/27/2007

Age Group	Birth Date Range	Records Analyzed
36 - 72 Months of Age	07/01/2004 - 06/02/2001	958
24 - 35 Months of Age	07/01/2005 - 07/02/2004	368
12 - 23 Months of Age	07/01/2006 - 07/02/2005	409
< 12 Months of Age	07/01/2007 - 07/02/2006	412

Immunization Status		
Age(months)	Up-to-Date ¹⁻⁴ (UTD)	Late ¹⁻⁴ UTD@Assessment

8.5 x 11 in 1 of 5

Notice the Evaluation Date and how it corresponds to the Birth Date Range

Verify that the Birth Date Range corresponds with the age group(s) of interest. *Hint: these birth date ranges should be used to generate the Request Reminder report to identify clients who are not up-to-date.*

Keep in mind when reviewing this portion of the report that there are **4 different age groups**:

- ◆ 36-72 months of age,
- ◆ 24-35 months of age,
- ◆ 12-23 months of age, and
- ◆ <12 months of age

Look in the **Immunization Status** table shown below. There are 3 columns in that table:

The **Age (months)** column | the **Up-to-date¹⁻⁴ (UTD)** column | and the **Late¹⁻⁴ UTD@Assessment** column.

The “¹⁻⁴” notation refers to the footnotes beneath the **Immunization Status** table at the bottom the page. These footnotes describe the vaccination series ***benchmarks*** at which a particular age group is being assessed per age; i.e., UTD by 7 months of age is UTD for 3 DTaP, 2 HepB, 2 Hib, and 2 Polio.

If you look in the first column, the **Age(months)** column, you can see that the ages at which the first age group (the **36-72 months of Age**) is assessed are at 72 months, 24 months, 12 months, and 7 months.

Review **Up-to-Date** and **Late UTD@Assessment** immunization status
(Note that percentages at 72 months may be lower than expected because of the vaccines required at this benchmark)

The second age group (the **24-35 months of Age**) is assessed at 24 months, 12 months, and 7 months.

Age(months)	Up-to-Date ¹⁻⁴ (UTD)	Late ¹⁻⁴ UTD@Assessment
36 - 72 Months of Age		
72	39.77%	39.87%
24	87.79%	94.05%
12	93.42%	96.14%
7	87.37%	96.14%
24 - 35 Months of Age		
24	90.22%	91.85%
12	94.84%	95.38%
7	89.13%	95.38%
12 - 23 Months of Age		
12	88.75%	90.46%
7	83.62%	90.46%
< 12 Months of Age		
7	64.81%	66.26%

1) UTD by 7 months equals 3 DtaP, 2 HepB, 2 HIB, 2 Polio
 2) UTD by 12 months equals 3 DTaP, 2 HepB, 2 HIB, 2 Polio.
 3) UTD by 24 months equals 4 DTaP, 3 HepB, 3 HIB, 1 MMR
 4) UTD by 72 months equals 5 DtaP, 3 HepB, 4 HIB, 2 MMR
 Late UTD equals the same benchmark for the age group, but on the date the report was run.

The third age group (the **12-23 months of Age**) is assessed at 12 months and 7 months.

The “¹⁻⁴” footnotes describe the vaccination series used in **this table**

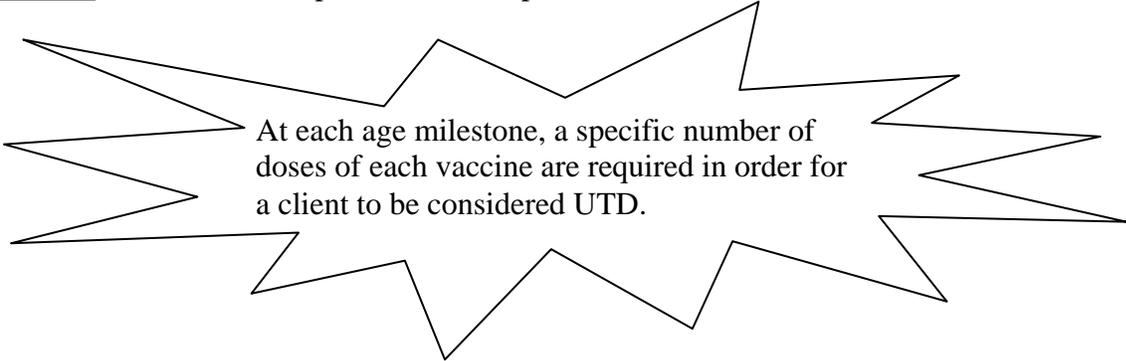
The fourth age group (the **<12 months of Age**) is assessed only at 7 months. Please note that if clients are not yet 7 months old, Up-to-Date and Late UTD@Assessment percentages may be lower than expected for this age group.

Page 2 of the **NCIR Assessment Summary** report
Looks at each individual vaccine at different ages (benchmarks).

The **Age Specific Immunizations Benchmarks** Grid shows how many vaccines are needed to be considered UTD at specific age milestones.

The following age milestones are used for this portion of the report:

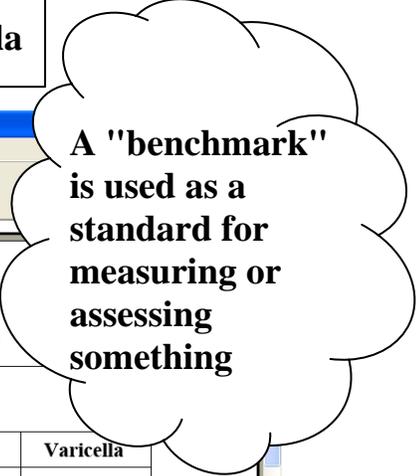
- @ 3 months
- @ 5 months
- @ 7 months
- @ 9 months
- @ 12 months
- @ 16 months
- @ 19 months
- @ 21 months
- @ 24 months
- @ 72 months



For example @ 16 months, clients are considered UTD if they received:
4 DTaP, 3 Hep B, 3 Hib, 1 MMR, 3 Polio, 3 Prevnar, and 1 Varicella

The screenshot shows a PDF document titled "The Child Health Center NCIR Assessment.pdf" in Adobe Reader. The table within the PDF is as follows:

UTD Grid	DTaP	Hep B	Hib	MMR	Polio	Prevnar	Varicella
@ 3 months	1	1	1		1	1	
@ 5 months	2	2	2		2	2	
@ 7 months	3	2	2		2	2	
@ 9 months	3	2	2		2	2	
@ 12 months	3	2	2		2	2	
@ 16 months	4	3	3	1	3	3	1
@ 19 months	4	3	3	1	3	3	1
@ 21 months	4	3	3	1	3	3	1
@ 24 months	4	3	3	1	3	3	1
@ 72 months	5	3	4	2	4	4	1



Likewise, @ 24 months, clients are considered UTD if they received:
4 DTaP, 3 Hep B, 3 Hib, 1 MMR, 3 Polio, 3 Prevnar, and 1 Varicella

When reviewing the table below, keep in mind the **Age Specific Immunizations Benchmarks** grid from above.

This portion of the report shows the number of clients (**Total Meeting Age Criteria**) being assessed at each age milestone (**UTD Age**).

For example:

At **3 Months UTD Age**, there were 2052 clients, at least 3 months old.

Of those 2052 clients,
 1932 had received the required 1 DTap,
 1945 had received 1 Hep B,
 1924 had received 1 Hib,
 1923 received 1 Polio, and
 1691 received Prevnar.

Total Meeting Age Criteria

Overall, the cumulative **% Coverage** at 3 Months is **81.4%**.

At 3 Months

At each age, note which antigen has the least number of clients meeting the benchmark

Adobe Reader - [the child health center assess.pdf]

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Assessment of Clients Meeting Age Specific Benchmarks

UTD Age	DTap	Hep B	Hib	MMR	Polio	Prevnar	Varicella	Total Meeting Age Criteria	% Coverage
3 Months	1932	1945	1924		1923	1691		2052	81.4%
5 Months	1804	1815	1795		1795	1473		1977	71.6%
7 Months	1697	1802	1801		1800	1604		1924	78.0%
9 Months	1710	1752	1755		1755	1624		1858	84.7%
12 Months	1634	1662	1659		1660	1573		1747	88.6%
16 Months	1116	1485	1460	1448	1407	1316	1411	1607	59.1%
19 Months	1273	1395	1395	1384	1371	1258	1349	1486	74.0%
21 Months	1265	1341	1349	1342	1330	1214	1307	1427	76.8%
24 Months	1214	1259	1272	1264	1253	1152	1234	1333	80.4%
72 Months	26	26	25	26	26	10	26	26	5%

8.5 x 11 in 2 of 5

Because UTD at **72 months** requires **5 DTap, 3 Hep B, 4 Hib, 2 MMR, 2 Polio, 4 Prevnar, and 1 Varicella**, it is likely that only a small % of the total will be fully UTD. In some cohorts, many of the clients will not have received 4 Hib or 4 Prevnar. *Don't be overly concerned.*

It is more important here to notice the **% Coverage** at **24 Months**, as this depicts the best indicator of being UTD for the currently required childhood vaccination series 4:3:1:3:3:1.

Page 3 is the **NCIR Behind Schedule Assessment.**

This page displays 3 tables that look at 3 different age groups and shows for each age group, the number of clients who could have been brought UTD with ONE additional visit.

The table also shows for those clients how many needed only 1 vaccine, 2 vaccines, 3 vaccines, or 4 vaccines.

In the table below,

There were 107 clients <=12 months of age who could have been brought Up-to-Date with Additional Immunizations (These clients could have been brought UTD with just one additional visit).

This represents 25.9% of the total clients in that age group; (107/.259 ~ 412 clients).

Children Who Could Have Been Brought Up-To-Date With Additional Immunizations		
<= 12 Months of Age	107	25.9%
1 Vaccine Needed	68	63.6%
2 Vaccines Needed	1	.9%
3 Vaccines Needed	0	.0%
4 Vaccines Needed	38	35.5%

68 clients needed only 1 vaccine to be brought UTD

Those 68 clients represent 63.6% of the 107 clients who could have been brought UTD

Page 4 of the NCIR Assessment Summary Report has 2 separate tables.

The first table displays information for **Children Who Got A Late Start or Have Dropped Off Schedule After A Good Start**.

The upper portion of this table shows for 3 different age groups,

Late Start Rates ¹	Beginning > 3 mo. age	7.3%	36-72 mo. age group
		7.6%	24-35 mo. age group
		11.2%	12-23 mo. age group
Drop Off Rates	60-72	5.3%	24 month status ²
	48-59	6.3%	24 month status
	36-47	5.1%	24 month status
	24-35 mo. age	3.3%	24 month status
	12-23 mo. age	3.7%	12 month status ³

1) A client who did not receive dose 1 of DTaP by 90 days is considered to have gotten a Late Start.
 2) Drop off rate @ 24 months of age equals % of clients who had 1 DTaP by 6 months of age minus % of clients who had 4 DTaP by 24 Months.
 3) Drop off rate @ 12 months of age equals % of clients who had 1 DTaP by 6 months of age minus % of clients who had 3 DTaP by 12 Months.

DTaP is the equivalent of a DTaP, a DTP or a DT.

Studies have shown that clients who start late are more likely to continue to be behind and therefore are not age appropriately immunized. In this example, note that a greater percentage of the clients in the **12-23 mo. age group** got a late start when compared to the older age groups. Therefore this group should be closely monitored to assure that they are on an accelerated schedule so they can be brought UTD according to the recommended schedule.

The lower portion of this table displays:

Drop Off Rates for 5 different age groups

The footnotes 2 and 3, beneath the table explain how the Drop off rate @ 24 months (24 month status), as well as the Drop Off Rate at 12 months (12 month status) was calculated.

When trying to understand clients' immunization tendencies, it may be helpful to compare the 24 month status for each of the older age groups. Likewise it can be helpful to compare age groups from multiple NCIR Assessment Summary reports to see how the rate varies among differing cohorts.

The second table on Page 4 of the NCIR Assessment Summary report displays the number and percent of:

Clients Who Do Not Have a Birth Dose of HepB and Have Not Completed the 3 Dose Series

The screenshot shows a PDF document in Adobe Reader. The table is titled "Clients Who Do Not Have a Birth Dose of HepB and Have Not Completed the 3 Dose Series". It has two columns: "Number⁴" and "Percent⁵". The data row shows "Clients Missing Birth Dose Of Hep B" with a count of 75 and a percentage of 3.9%.

	Number ⁴	Percent ⁵
Clients Missing Birth Dose Of Hep B	75	3.9%

4) Count of Clients who do not have a birth dose and did not complete the 3 dose Hep B series. These clients must be between 6 months and 72 months old on evaluation date and have at least 1 immunization in NCIR.
 5) Per cent of all clients (between 6 and 72 months old with at least 1 immunization in NCIR) who do not have a birth dose and did not complete the 3 dose Hep B series.

Note the footnotes here for further clarification of the clients being assessed.

Page 5 of the NCIR Assessment Summary report corresponds with information from the tables on **page 1**.

Missed Opportunity Assessment:

shows the count of and percent of clients (in each of the 4 Age Groups) who were not UTD by a specific benchmark, and of those it shows the count and percent that had a missed opportunity for an immunization(s) on their Last Visit.

The screenshot shows a table titled "Missed Opportunity Assessment". The table has six columns: "Age Group on Evaluation Date", "Total Clients in Age Group", "Clients Not up to Date" (subdivided into "Count" and "Percent"), and "Missed Opportunity on Last Visit" (subdivided into "Count" and "Percent").

Age Group on Evaluation Date	Total Clients in Age Group	Clients Not up to Date		Missed Opportunity on Last Visit	
		Count	Percent	Count	Percent
<12 months 7 month benchmark	412	145	35.19%	4	2.8%
12-23 months 12 month benchmark	409	46	11.25%	5	10.9%
24-35 months 24 month benchmark	368	36	9.78%	14	38.9%
36-72 months 24 month benchmark	958	117	12.21%	39	33.3%

Please be aware that the missed opportunity on last visit may reflect ***incomplete documentation of immunization histories*** rather than true missed opportunities for simultaneous vaccination.