



**PAN-CANADIAN PUBLIC HEALTH COMMUNICABLE DISEASE SURVEILLANCE
AND MANAGEMENT PROJECT**

**PROJET PANCANADIEN DE SURVEILLANCE ET DE GESTION DE LA SANTÉ
PUBLIQUE EN MATIÈRE DE MALADIES TRANSMISSIBLES**

IMMS REPORT: COUNT OF IMMUNIZED CLIENTS BY NUMBER OF VALID DOSES

**IMMUNIZATION
TRAINING
REPORTING**

VERSION: R2.3_v1.0

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REVISION HISTORY

Version	Date Issued	Revision
R2.0_v0.1	2009 Oct 21	DCL #267 Update to new template and based on applicable SME feedback. IBM has reviewed and agreed to all changes
R2.0_v0.2	2009 Oct 21	PMO BA Approved
R2.0_v0.3	2009 Oct 22	PMO QA reviewed. This DDUC is being recommended for PMO Approval.
R2.0_v1.0	2009 Oct 22	Approved Product Development Manager. Panorama Management Office. Incrementing version number to next whole number.

Version	Date Issued	Revision
R2.0_v1.1	2009 Nov 19	<p>Updated as follows for DCL 335</p> <p>Section 1.6.2: Added assumption that Dose Safe Rule will not be enabled in rules.xls</p> <p>Section 1.11 Filters:</p> <p>Changed JORG and SDL to default to User's session values as per DDUC 11201</p> <p>Either DOB range or School Year must also be selected with School Board/School prompt.</p> <p>Clarified that Gender is required with all prompts except Cohort.</p> <p>Deleted call-out box stating that Cohort Search and Select feature will be added in a future release.</p> <p>Section 1.12 Body:</p> <p>Clarified sort order when JORG/School Board is selected.</p>
R2.0._v1.2	2009 Nov 25	<p>IBM QA Completed:</p> <p>Fixed tab in header and removed space in footer.</p> <p>1.3 Changed cross reference from 1.18 to 1.8 Client/First Nations Identifiable Content.</p> <p>1.10 Spelled out Jurisdictional Organization and Service Delivery Location in Business Rule 4.</p> <p>1.11 Filters - Spelled out Jurisdictional Organization and Service Delivery Location in Gender Validation and Date of Birth From and Date of Birth To columns to match prompt label. Spelled out Date of Birth From and Date of Birth To in School Board or School Year Validation column to match prompt label.</p> <p>Minor formatting and edits.</p>
R2.0_V1.2	2009 Dec 1	PMO BA Approved
R2.0_v1.3	2009 Dec 2	<p>PMO QA reviewed.</p> <p>This DDUC is being recommended for PMO Approval.</p>

Version	Date Issued	Revision
R2.0_v2.0	2009 Dec 2	Approved Product Development Manager. Panorama Management Office. Incrementing version number to next whole number.
R2.3_v1.0	2011 Nov 14	Updated disclaimer information

SUPPORTING DOCUMENTS

Content from the following list of supporting documents was used or referenced in this document. Please obtain those documents as necessary for details where referenced in this document.

Version	Date Issued	Revision

DOCUMENT CONVENTIONS AND TERMINOLOGY

In Canada, the official name of the application is the Panorama. In other countries, the official name of the application is the IBM Public Health Solution for Disease Surveillance and Management, also referred to Public Health SDSM. Where the terms “application,” “System,” “Panorama,” or “Public Health SDSM” are referenced in this document, they should be interpreted according to the locale in which the system is being used.

The following document conventions have been used in various sections:

- Square brackets ([]) indicate a screen, screen section, button or field.
- Double quotation marks (“ ”) indicate a value.

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1.0 IMMS REPORT: COUNT OF IMMUNIZED CLIENTS BY NUMBER OF VALID DOSES

1.1 PURPOSE

Counts dose numbers administered for a given specified series, by immunizing agent, by date of birth range, immunization date range, and Jurisdictional level.

This report can be used for specific monitoring purposes to assess immunization status and trends.

1.2 REPORT NAME

The report name Imms Report: Count of Immunized Clients by Number of Valid Doses is specified according to the naming convention described in Appendix E – Report Naming Convention. The Report Name is the generic name in the case where multiple Report Sub-IDs are applicable within this DRDD.

The Report Type Identifier and Report Sub-ID are listed in Table 1 – Report Type Identifier and Table 2 – Report Sub-ID.

Table 1 – Report Type Identifier

√	Report Prefix	Definition
	IR	In DDUC Report is accessible from a function within the application and may be available from the Select Report Type screen under Reporting & Analysis > Standard Reports.
√	R	Report is accessible from the Select Report Type screen only.
	X	Administrative report is accessible from the Select Report Type screen.

The Report Sub ID indicates a variation of data at a high level, for more detailed information refer to the Report Sub-ID in Section 1.11, Filters.

Table 2 – Report Sub-ID

√	Report Sub-ID	Report Name	Description

1.3 SECURITY PERMISSIONS

The user will require the following security permission:

Report Permission		
Function	Permission Description	Permission Name
The ability to generate and schedule this report	The ability to generate and schedule this report	R6042

The user will require the following consent permissions:

Consent Permission(s)*		
Function	Permission Description	Permission Name
Report is 'Not client identifiable' so consent is not required. See Section 1.8 Client/First Nations Identifiable Content.		

* Refer to DDUC 11201, Schedule Reports (Section 1.2) for the full list of Consent Permissions.

The following table identifies if the report results are filtered based on the user's current organizational-role Data Access Scope value.

√	Data Access Scope
	Results may only include those clients accessible to the user based on their Data Access Scope.

1.4 AD HOC / SCHEDULED REPORT

The following table identifies if the report is either an ad hoc or scheduled report. Some reports can be both ad hoc and scheduled.

√	Ad Hoc / Scheduled Report
	Ad-hoc within Detailed Design Use Case (DDUC)

√	Ad Hoc / Scheduled Report
√	Ad-hoc within Reporting & Analysis, Standard Reports
√	Scheduled within Reporting & Analysis, Standard Reports

1.5 ACCESS POINTS

This section shows the navigation steps for accessing the report from within the application.

If the report is an IR report (accessible while the user is performing a function within the application), the DDUC is listed in the table below.

This section indicates where the report can be triggered from within the application.

#	From DDUC Access Point	Screen	Trigger	Business Rules for enabling this Access Point
1	DDUC 11201 Schedule Reports	Select Report Type screen	Clicking on a Report Name	Enabled when user has been granted appropriate permissions

1.6 PRECONDITIONS AND ASSUMPTIONS

1.6.1 PRECONDITIONS

- a. No preconditions

1.6.2 ASSUMPTIONS

In addition to the assumptions in DDUC 11201 Schedule Reports, the following assumptions are applicable to this report:

- a. For the purposes of this DRDD, the report is run against a replicated copy of the operational database.
- b. The Extra Dose Safe Rule in the forecast engine will not be enabled as it is not supported by this coverage report.

1.7 REPORT TYPE

The report category and sub-category are listed in the following table:

Selected Option (√)	
Case	
	Operational Forms and Lists
Immunization	
	Communication Templates
√	Operational Forms and Lists
Index	
	Client
Inventory	
	Operational Forms and Lists
Lab	
	Operational Forms and Lists
	Requisition Labels
	Specimen Labels
PHAC	
	Operational Forms and Lists

Selected Option (√)	
Work Management	
	Operational Forms and Lists
Security	
	Audit
	Consent
Other (please specify):	
	Other (please specify):

1.8 CLIENT/FIRST NATIONS IDENTIFIABLE CONTENT

This report can display the following type of content:

√	Report Content
Is	
	Client identifiable*
√	Not client identifiable
Is	
	First Nations identifiable*
√	Not First Nations identifiable

*If consent is applicable, ensure consent overrides are identified in Section 1.3, Security Permissions.

1.9 REPORT OUTPUT

The default report display and output options are specified in the following section tables:

1.9.1 PAGE ORIENTATION

√	Orientation
√	Landscape
	Portrait

1.9.2 PAGE SIZE

√	Page Size
√	Letter (8 ½" x 11")
	Legal (8 ½" x 14")

1.9.3 REPORT OUTPUT

√	Report Output
√	Formatted (PDF/Crystal Reports)
√	Formatted (Excel – cannot save-as csv to obtain usable data)
	Data Extract (CSV/Excel)

1.9.4 SPECIAL OUTPUT

√	Special Output
	Bar Code
	Chart (specify type, e.g. pie chart)
	Label (specify size, e.g. 2" x 3")
	Other (specify):

1.10 BUSINESS RULES

This section contains specific business rules that are unique to this report only. (i.e, rules that apply to data the report returns).

For rules pertaining to filters, data and totals for this DRDD, refer to Section 1.11 Filters, Section 1.12 Data – Columns (Body of Report) and Section 1.13 Aggregation.

For rules specific to the scheduling of all reports, refer to DDUC 11201 Schedule Report.

#	Rule
1.	<p>Coverage is reported for clients whose birth date falls on or within the date of birth range entered and is calculated as of the date the report is run.</p> <p>Note: When the report is run successively for different age ranges, the user must ensure that the 'Date of Birth Range To' and 'Date of Birth Range From' dates do not overlap. To avoid double counting of some clients, the 'To' date of one age range must be prior to the 'From' date of the next age range.</p>

#	Rule
2.	<p>The following clients will be explicitly excluded from this report:</p> <ul style="list-style-type: none"> ■ Inactive clients ■ Indeterminate clients ■ Clients with no gender ■ Clients with a gender not included in the secured coded concepts of Male, Female or Undifferentiated. ■ Client with no birth date ■ Non-human clients
3.	<p>If the Province and City(ies) prompt is used as the location selection criteria and that specific piece of data is missing in the client's preferred address, or the client does not have an address, then the client will not be included in the report.</p>
4.	<p>If Jurisdictional Organization (JOrg), Service Delivery Location (SDL) or School information is the selection criterion and the client record is missing that information, the client will not be included in the report.</p>
5.	<p>Dose count for an antigen is calculated as follows:</p> <ul style="list-style-type: none"> ■ If no immunization records containing the antigen have a revised-dose #, count the valid records for that antigen. ■ If any immunizations containing the antigen have a revised-dose #, the revised-dose # of the latest immunization (by immunization date) is the starting count. Subsequent immunizations (which by construction cannot have a revised-dose #) containing the antigen (and where that antigen is valid) are then individually added to the revised-dose #. ■ Records with immunization dates earlier than the latest revised-dose # immunization are ignored. <p>The following examples list immunizations in chronological order based on immunization date:</p> <p style="padding-left: 40px;">DTaP Dose #1 revised Dose #3 (start count at 3)</p> <p style="padding-left: 40px;">DTaP Dose #4 (add 1)</p> <p style="padding-left: 40px;">Dose count for Diphtheria = 4</p>

#	Rule
	<p>If historical records for dose #1 and dose #2 are subsequently recorded:</p> <p style="padding-left: 40px;">Historical DTaP Dose #1¹ (ignored)</p> <p style="padding-left: 40px;">Historical DTaP Dose #2² (ignored)</p> <p style="padding-left: 40px;">DTaP Dose #1 revised Dose #3 (start count at 3)</p> <p style="padding-left: 40px;">DTaP Dose #4 (add 1)</p> <p style="padding-left: 40px;">Dose count for Diphtheria = 4</p> <p>If records are for different agents:</p> <p style="padding-left: 40px;">DTaP Dose #1 revised-dose #2</p> <p style="padding-left: 40px;">T Dose #1</p> <p style="padding-left: 40px;">DTap-IPV Dose # 2 revised-dose #4 (start count at 4)</p> <p style="padding-left: 40px;">Dose count for Tetanus = 4</p>
6.	For any immunization, dose counts include only antigens that are valid.

¹ System would capture this first dose as dose # 5 as it will propagate the dose from forecast.

² System would capture this second dose as dose #5 as well, as it propagated from forecast. Client is still forecast for dose # 5.

1.11 FILTERS

This section defines the Report Filters page for the report.

Refer to Legend.

Prompt Label	Format	Business Screen/ Field Name	Required (Y/N)	Validation	Default Values	Execution Rules	Static Text (Y/N)
		Exactly one of the Client Selection Criteria is required	Y	Error messages will display on rendered report if none or more than one Client Selection Criteria is selected.			
Jurisdictional Organization	Embedded Find Component	Client Selection Criteria 1 Maintain Client/Active Jurisdictional Organization		Must be of Hierarchy type: "Jurisdictional Organization".	User's session JOrg	If JOrg has child JOrgs, report body will be rendered once for the JOrg selected and once for each child JOrg one level below. Each will report on all clients belonging to that hierarchy.	N
Cohort		Client Selection Criteria 2 Maintain cohort		Cohort result set ID from UI context. If cohort is in context, the only other allowed prompt is Antigen(s).	No default	User must clear cohort from context to use one of the other location prompts.	N
Province	Drop list	Client Selection Criteria 3			No default		N
City	Multi select (~100 values)	Maintain Client/ The active Preferred address City		Required if Province is selected	No default		N

Prompt Label	Format	Business Screen/ Field Name	Required (Y/N)	Validation	Default Values	Execution Rules	Static Text (Y/N)
Service Delivery Location	Embedded Find Component	Client Selection Criteria 4 Maintain Client/ Any active SDL on the client record			User's session SDL		N
School Board or School	Embedded Find Component	Client Selection Criteria 5 Maintain Client/ Current, active Occupation	Either School Board or School name may be selected at one time.	Must be of Hierarchy type: "School". Either Date of Birth From and Date of Birth To (DOB) range or School Year must also be selected.	No default	If School Board is selected report body will be rendered once for the School Board and repeat for each School owned by that school board. The School Board section will report on all clients belonging to that hierarchy. Both school name and number will captured when school is selected.	N
School Year	Drop list < 20 values	Client Selection Criteria 5 Maintain Client/ Current, active Occupation	N	Only valid in combination with a school board or school.	No default		N
Grade	Drop list < 20 values	Client Selection Criteria 5 Maintain Client/ Current, active Occupation	N	Only valid in combination with a school board or school.	No default		N

Prompt Label	Format	Business Screen/ Field Name	Required (Y/N)	Validation	Default Values	Execution Rules	Static Text (Y/N)
Class	Text	Client Selection Criteria 5 Maintain Client/ Current, active Occupation	N	Only valid in combination with a school board or school.	No Default		N
Gender	Multi select	Client Gender Selection Criteria Maintain Client/Gender	N	Required with Jurisdictional Organization, Service Delivery Location, Province/City and School Board/School. Not valid with Cohort.	No default		N
Date of Birth From	YYYY- MMM- DD	Client Age Selection Criteria Maintain Client/Date of Birth	Y/N	Required in combination with Jurisdictional Organization and Province/City prompts only. From date is less than or equal to Date of Birth To date Cannot be in the future Must be a valid date	No default	Client DOB is equal to or greater than this date.	N

Prompt Label	Format	Business Screen/ Field Name	Required (Y/N)	Validation	Default Values	Execution Rules	Static Text (Y/N)
Date of Birth To	YYYY-MM-DD	Client Age Selection Criteria Maintain Client/Date of Birth	Y/N	Required in combination with Jurisdictional Organization and Province/City prompts only. To date is less than or equal to current date Cannot be in the future Must be a valid date	No default	Client DOB is equal to or less than this date.	N
Immunizing Antigen	Multi select (~50 values)	Immunization Antigen	Y	New Coverage Reports vocabulary domain	No default		N

Legend

#	Table Column	Description	Examples
	Prompt Label	Name of field on Report Filters screen.	TB_Test_Result_ID
	Format	<p>Format for data entry of the parameter on Report Filters screen.</p> <p>For drop lists, indicate the potential number of values.</p> <p>For multi-select, indicate the likely number of selections.</p> <p>Refer to DDUC 11201 Schedule Reports, Appendix A – Data, Format column.</p>	<p>Drop list (Expected number of values: Approx. 6), multi-select (Expected number of values: less than 20), text, Embedded Find Component (EFC), etc.</p> <p>In context.</p>
	Business Screen/Field Name	<p>The Panorama screen and field listing the values to be used for the filter. The field stated herein is where the filter data is originally entered for the operational system, i.e. the source of the data that shows up in the drop list being specified.</p> <p>Provide the associated DDUC number for the screen/field if possible (optional).</p> <p>For static text, state N/A in this column and specify the static text values in the Drop list Values column.</p>	Maintain Cohort/Cohort Result Set Name
	Required (Y/N)	Mandatory or Optional	Y, N

#	Table Column	Description	Examples
	Validation	Rules that apply to the values presented to the user. Refer to DDUC 11201 Schedule Reports, Appendix A – Data, Validation column.	To Date cannot precede From Date.
	Default Values	Default displayed when user first enters Report Filters screen. Refer to DDUC 11201 Schedule Reports, Appendix A – Data, Default Values column.	No default, User’s JOrg, today’s date, all, yes.
	Drop list Values	List of values referenced by a Business Screen/Field Name. If static text, specify the static text values.	Y, N
	Execution Rules	Logic for execution of query to retrieve the report’s data.	Compare with “Health Related Event Date”. If No, suppress display of the Value column on the report.
	Report Sub-ID	Indicates if report contains a variation of the data. Denotes a specific report in a series of reports. If left blank this prompt appears in all variations, if a value appears, the prompt will appear in only that variation of the report.	A only (Data on all types of Orgs), B only (Data on Aboriginal Orgs)

#	Table Column	Description	Examples
	Static Text (Y/N)	<p>Indicates if report data requires translation into French.</p> <p>All prompt labels will be translated. This indicator is for drop list values.</p> <p>For data specify if translation is required.</p> <p>Indicate if drop list values are static text and as such require translation.</p>	<p>N</p> <p>Y</p> <p>N/A</p>

1.12 DATA – COLUMNS (BODY OF REPORT)

Refer to Legend.

#	Report Label	Business Purpose (as required)	Business Screen/ Field Name	Calculation	Additional Criteria	Display Format / Alignment
<p>Section Name: Prompt selection values</p> <p>Grouping: None</p> <ul style="list-style-type: none"> • Sorting: Same order as on prompt page. 						
1		Show input values of all prompts selected.		Display all prompts labels from prompt page and in addition: Show both Cohort Name and Cohort Result Set ID Show both School Name and School Number.		Display value selected or blank.
<p>Section Name: None. Except when JOrg or School Board hierarchy displayed and the JOrg/School Board/School name will be displayed immediately above the table.</p> <p>Grouping: By JOrg or School filter selected</p> <p>Sorting:</p> <ul style="list-style-type: none"> • Display the JOrg or School Board selected first followed by the child JOrgs/Schools by Name ascending. • Antigens listed in each section should be listed alphabetically. 						
1	Total clients	The denominator P in percentage calculations.	Count of all clients reported on in the section	Count of clients selected using all prompts EXCEPT the antigen(s).		
2	Immunizing Antigen	Antigens selected for the report	Client Immunization Summary			

#	Report Label	Business Purpose (as required)	Business Screen/Field Name	Calculation	Additional Criteria	Display Format / Alignment
3	0 doses	Count & % of population who have received no doses of the antigen. % = $N / P \times 100$	Client Immunization Summary Section: Antigen Count / Valid Doses by Antigen also taking into account Immunization records with revised-dose #s	N = Number of clients that have no valid doses of the antigen. P = total number of clients selected using all prompts except antigen.	Records with an immunization date earlier than the latest revised-dose # immunization date will be ignored.	Numeric and % to one decimal point. Right justified
4	x doses + (x = 1+ through 6+) Eg. 1 dose +, 2 doses +, etc)	Count & % of population who have received 1 through 6 or more valid doses of the antigen. % = $N / P \times 100$	Client Immunization Summary Section: Antigen Count / Valid Doses by Antigen also taking into account Immunization records with revised-dose #s	N = Number of clients that have 1 or more through 6 or more valid doses of the antigen. P = total number of clients selected using all prompts except antigen. Counts include only immunizations containing the selected antigens where the dose is valid. If no immunizations contain a revised-dose #, count the records. If any of the immunizations contain a revised-dose #, take the revised-dose # of the latest (by immunization date) as the starting count, and then add subsequent records one at a time.	Records with an immunization date earlier than the latest revised-dose # immunization date will be ignored.	Numeric and % to one decimal point Right justified

Legend

Table Column	Description	Examples
#	Corresponds to each field on the report prototype.	1, 2

Table Column	Description	Examples
Report Label	Name of field on report. Allow for shorter column headings.	Result Set ID HA instead of Health Area; if blank then use the Data Name
Business Purpose	Description/purpose of field on report. State why this field is needed on the report.	An Episode Identifier is a unique ID for the notification across all Panorama instances. It is a Concatenation of Panorama Instance ID, Investigation ID, and Disease Event ID.
Business Screen/Field Name	A Panorama screen and field that contains the data to be shown on the report. This is the source of the data. Provide the DDUC number if possible (optional).	Maintain Cohort/Cohort Result Set Name
Calculation	List calculations are required to derive this field for the report.	Qty Variance times WAC.
Additional Criteria	Specified business rules or other criteria that need to be applied to the data for this report.	See Business Rule #12 (where BR 12 states that report shows primary Client name).
Display Format	Format of the data shown on the report.	Text, Numeric, (XXX) XXX-XXXX, YYYY/MM/DD, \$9,999.99, \$(99,999.99), 9,999, bold, italic, etc.

Table Column	Description	Examples
Alignment	<p>Follow the guidelines as specified in DDUC 11201 Schedule Reports, Appendix C – Commonly Used Report Layout Standards.</p> <p>Describe standard alignment and any deviations in Section 1.12, Data – Columns (Body of Report)</p> <p>If nothing is stated here, the standard will be used as displayed in the Examples.</p>	<p>Left justified:</p> <ul style="list-style-type: none"> ■ Where Created: Org ■ Column data, except Dollar values ■ “Confidential” footer text <p>Centered:</p> <ul style="list-style-type: none"> ■ Report Title ■ Column Headers <p>Right justified:</p> <ul style="list-style-type: none"> ■ Panorama Logo ■ Dollar values ■ Page Numbers in format “Page x of y”
Section Name	Corresponds to each section on the report prototype.	Holding Point Alternate ID Risk Factors
Group By	<p>Indicates whether the data is grouped and the order.</p> <p>If this grouping is going to be used for data aggregation, please complete a row in Section 1.13, Aggregation for this Report Label.</p>	Field name 1 Ascending Field name 2 Descending
Sort (within section)	Ascending or descending or not sorted (default). If multiple fields are used for sorting, a number is included to indicate the order of the sort.	Primary Sort (descending by Risk Factor Start Date) Secondary Sort (ascending by Risk Factor Description)

1.13 AGGREGATION

This section specifies the aggregate for the report.

Refer to Legend.

#	Report Label to Aggregate	Aggregation Type	Desired Title for Aggregation	Display Format	Groupings to Aggregate At	Grand Aggregation
1						
2						

Legend

Table Column	Description	Examples
#	Corresponds to each Sub-Total or Total field on the report prototype.	
Report Label to Aggregate	Name of field on the report to aggregate for Sub-Total or Total field from the Report Label column in Section 1.12, Data – Columns (Body of Report).	Count of AEFIs
Aggregation Type	Aggregation type can be one of the following: average, sum, count (number of items), min/max.	Count of AEFIs for the identified combination of immunizing agent/antigen, age group, period of time, etc.
Desired Title for Aggregation	The desired title for the Groupings to Aggregate At and Grand Aggregation shown on the report.	Count of AEFIs for the identified combination of immunizing agent/antigen, age group, period of time etc.
Display Format	Format of the data shown on the report.	Text, Numeric, (XXX) XXX-XXXX, YYYY-MM-DD, \$9,999.99, \$(99,999.99), 9,999, bold, italic, etc.

Table Column	Description	Examples
Groupings to Aggregate At	Specify the “Group By” field names in Section 1.12, Data – Columns (Body of Report)	Field name 1 Field name 2
Grand Aggregation	Indicates if all report data is to be aggregated.	Y, N

1.14 REPORT PROTOTYPE

Count of Immunized Clients by Number of Valid Doses																
Jurisdictional Organization																
Cohort Name																
Cohort Result Set ID																
Service Delivery Location																
Province																
City																
School Board / School	Greater Victoria															
School Name																
School Number																
School Year	2008 / 2009															
Grade	4															
Class																
Immunizing Antigen	Diphtheria, Pertussis															
Greater Victoria																
Total Clients: 90																
Clients With																
Immunizing Antigen	0 doses		1 dose +		2 doses +		3 doses +		4 doses +		5 doses +		6 doses +			
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
Diphtheria	5	5.5%	0	0.0%	5	5.5%	75	83.3%	5	5.5%	0	0.0%	0	0.0%		
Pertussis	5	5.5%	1	1.1%	4	4.4%	74	81.1%	6	6.7%	0	0.0%	0	0.0%		
Saint Patrick's Elementary																
Total Clients: 35																
Clients With																
Immunizing Antigen	0 doses		1 dose +		2 doses +		3 doses +		4 doses +		5 doses +		6 doses +			
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
Diphtheria	N	0.0%	N	0.0%	N	0.0%	N	0.0%	N	0.0%	N	0.0%	N	0.0%		
Pertussis	N	0.0%	N	0.0%	N	0.0%	N	0.0%	N	0.0%	N	0.0%	N	0.0%		

2.0 BUSINESS USAGE PROFILE

Table 3 displays typical usage and the percentage of a user group that would generate the report.

Table 3 – User Type and Percentage Examples

Panorama User Type	Percentage of Panorama User Type
School Nurse	100% of School Nurse
Nurse Managers	100% of Nurse Managers
Epidemiologists	1% of Epidemiologists

Table 4 displays the report run frequency, a typical report scenario, and which end user would typically generate the report.

Table 4 – Run Frequency

Run Frequency Scheduled or Adhoc	Percentage of Time	Typical Scenario (Time and Panorama User Type)
Hourly		
Daily		
Weekly		School nurses
Monthly		Nurse managers
Yearly		Epidemiologists analysis

Table 5 displays the Report Volume along with the typical number of records accessed when generating the report.

Table 5 – Report Volume

√	Report Volume	Report Load
	Low (1 to 2 pages)	Example: <100 records being accessed
	Medium (3 to 10 pages)	Example: >100 to <2500 records being accessed
√	High (more than 10 pages)	Example: >2500 records being accessed (100s to 1000s is expected)

Appendix A – Requests for Clarification

RFC no longer used. This table is kept for historical purposes only if RFCs exist for this DRDD.

RFC	Initiator	Text
1	IBM	<p>Does the SDL prompt match the client record SDL or the immunization SDL?</p> <p>Solution (October 09, 2009): Select active (where effective TO date is null or in the future) SDLs on the client record. Disregard the preferred indicator.</p> <p>Decision justification: Choosing all clients who had immunizations at a certain SDL would be a different report, likely one showing their names. For a coverage report such as this the query would be “I want all Clients that have <i>any</i> immunizations delivered at SDL-A, but I want to <i>count</i> only the doses from SDL-A”. That would be weird.</p>

RFC	Initiator	Text
2	IBM	<p>Is the DOB range required?</p> <p>Solution (October 09, 2009):</p> <p>If cohort: Only Antigen is allowed.</p> <p>School Board and School are exclusive.</p> <ol style="list-style-type: none"> 1. Choose school/school board and school year 2. Choose school/school board and school year and grade 3. Choose school/school board and school year and grade and class 4. Choose school/school board and school year and DOB 5. Choose school/school board and school year and grade and DOB 6. Choose school/school board and school year and grade and class and DOB 7. Choose school/school board and DOB range. 8. Gender allowed for all of above 9. Allow choosing school and class (no need to step down the hierarchy) A user could potentially select all clients in class C-1 of a given school district. <p>DOB is required JOrg and Province/City.</p> <p>DOB is optional with SDL.</p>
3	IBM	<p>Is the school year required if either School Board or School is selected? Or will the DOB range suffice? Covered above.</p> <p>Merged with 2 above.</p>
4		<p>Can we complete section 2.0 with SMEs please?</p> <p>Solution (October 14, 2009): Done</p>

RFC	Initiator	Text
5	IBM	Do we need both the Cohort Name and Result Set ID on the report header? Solution (October 09, 2009): Both Cohort Name and Result Set ID should display on the report header
6	IBM	Should we use exact count or cumulative dose counts? Solution (October 14, 2009): Use cumulative method. Anushka to submit DCL to request cumulative reporting for 6036 as well.
7	IBM	Looking for a search and select instead of cohort already in context. Solution (October 14, 2009): Use cohort in context. Cohort in context has been implemented. Search and select requires non-trivial code changes to perform, plus would require custom page to prevent clearing of prompts when return to page. IBM to add "Search & Select Cohort functionality" as placeholder for future release.
8	IBM	Request that real estate consumed by header be minimized. Solution (October 14, 2009): Display prompts in 2 columns instead of the single column shown in report proto-type.
9	IBM	Report title: Count of Immunized Clients by Dose Number Solution (October 14, 2009): Agreed to the title 'Count of Immunized Clients by Number of Valid Doses'.

Appendix B – Clarifications

This section is retained for historical purposes only.

#	Reference #	Question	Answer
1.			

Appendix C – Sources

This section is retained for historical purposes only (to record Document Clarification List (DCL)#, Enhancement Request (ER)#).

Source Document Reference

Appendix D – Confirmation

This section is retained for historical purposes only.

Date	Attendee

Appendix E – Report Naming Convention

The report name is specified according to the naming convention as described in the Solutions Reports and Extracts Use Guide. The convention is summarized below:

A Report number consists of:

- A Report type identifier
- A Detailed Design Use Case (DDUC) number (associated with a Functional Area)
- Alpha characters (if applicable), denoting a specific report in a series of reports.

A Report name consists of:

- A brief description of the report output

Example: R7500B Maintain Personal Workload – Assignment List

Where

- R = Report type identifier
- 7500 = Associated DDUC number

- B = Alpha character (in this instance, 'B' denotes the second report in the series of 7500 Reports)
- Maintain Personal Workload – Assignment List = Brief description of report