

Guidance for Generating General Population Estimates for H1N1 Influenza Activities

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This document provides guidance on how to estimate the different PATIENT population groups. For sites using RPMS, we have included templates for using the RPMS Immunization Package and QMAN. For the QMAN templates, the **red** indicates operator entries, either words, or hitting the enter key. **Blue** indicates comments.

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PREGNANT WOMEN

For sites reporting for GPRA, contact your facility GPRA coordinator to use the denominator for the GPRA indicator for pre-natal screening HIV screening.

1. In the GPRA /Clinical Reporting System (CRS) report:
 - a. Find the HIV Screening Measure
 - b. Find “Pregnancy AC patients with no HIV ever (GPRA) for the current report period. This is a reasonable estimate of the number of pregnant women at your facility.

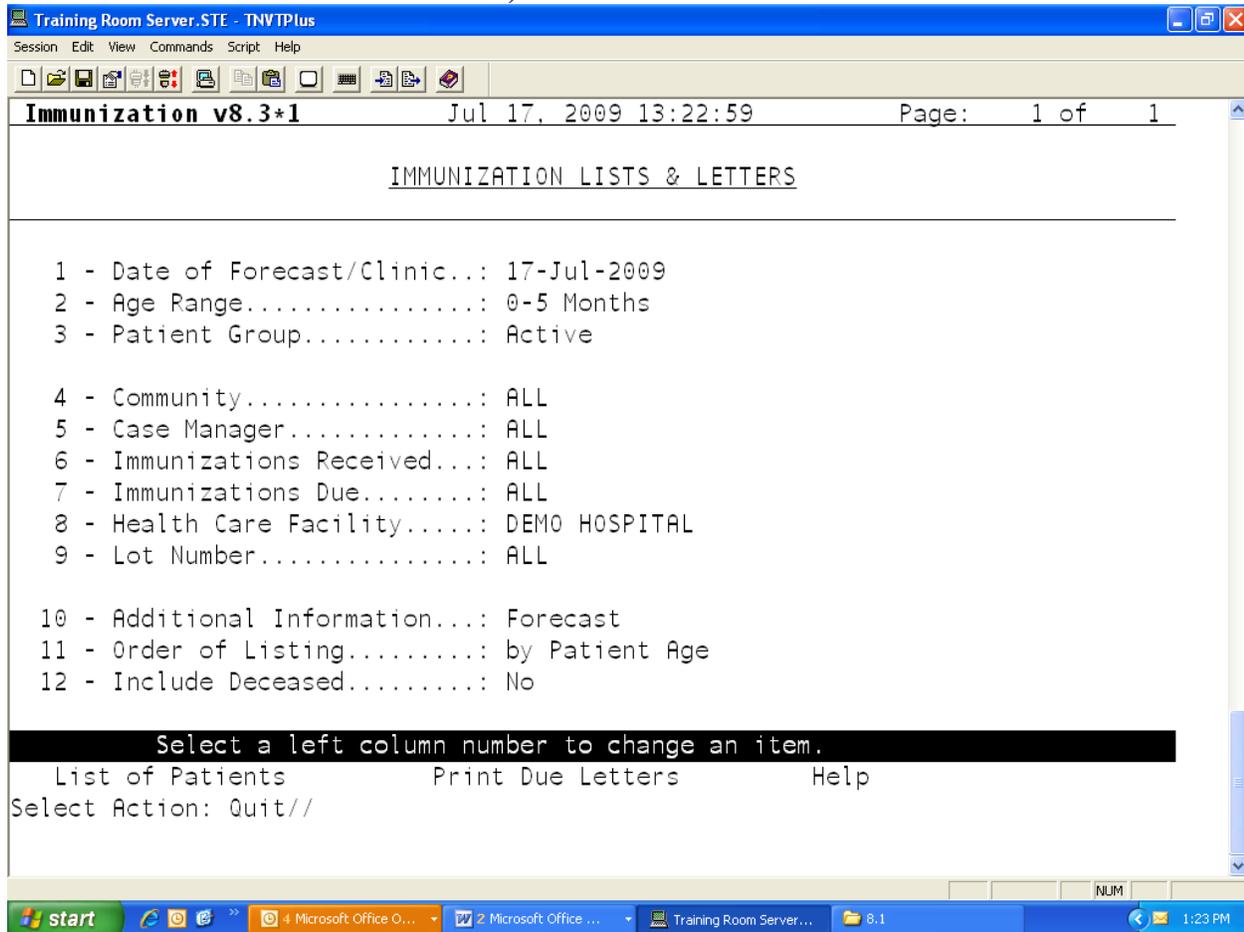
Example from Clinical Reporting System (CRS) GPRA report.

	REPORT PERIOD	%	PREV YR PERIOD	%	CHG from PREV YR %	BASE PERIOD	%	CHG from BASE %
Pregnant AC Pts w/ no HIV ever (GPRA)	11		18			10		
# w/HIV Screening (GPRA)	0	0.0	0	0.0	+0.0	0	0.0	+0.0
A. # refusals w/ % of total screened	0	0.0	0	0.0	+0.0	0	0.0	+0.0

HOUSEHOLD CONTACTS FOR CHILDREN < 6 Months

Determine the number of children < 6 months (#1), and multiply that by the average household size as reported by the Census for your county or reservation area (#2) a outlined below.

1. To determine number of children < 6 months, use the RPMS Immunization Package.
 2. Go to the RPMS Immunization Package
 3. Select PATIENT MENU
 4. Select “LLS Patient Lists and Letters”
 5. Change Age Range parameters to 0-5 months (*Note – if age range is currently in years, type M and enter to switch to months*)



2. To determine the average household size for your geographic area:
 2. Go to http://factfinder.census.gov/servlet/DTGeoSearchByListServlet?ds_name=DEC_2000_SF2_U&lang=en&ts=266934116839
 3. Select a geographic type (you may have to wait a few seconds) Options include county, AI area/AN area/Hawaiian Homeland, etc.
 4. Select one or more geographic areas and click the “Add” button.
To select more than one area, highlight the first area by clicking on it then hold the Ctrl key down and click on the second area.
 5. Click the “Next” button.
 6. Select “PCT8. Average Household Size” and click the “Add” button.
 7. Click the “Next” button.
 8. Select “AIAN alone or in combination with one or more races” and click the “Add” button.

9. Click the “Show Result” button.
10. Two tables will appear with the average household size information.
The first table lists data for the “total population”.
The second table lists data for the “AIAN alone or in combination with one or more races” in bold.

Determine the number of children < 6 months (#1), and multiply that by the average household size as reported by the Census for your county or reservation area (#2).

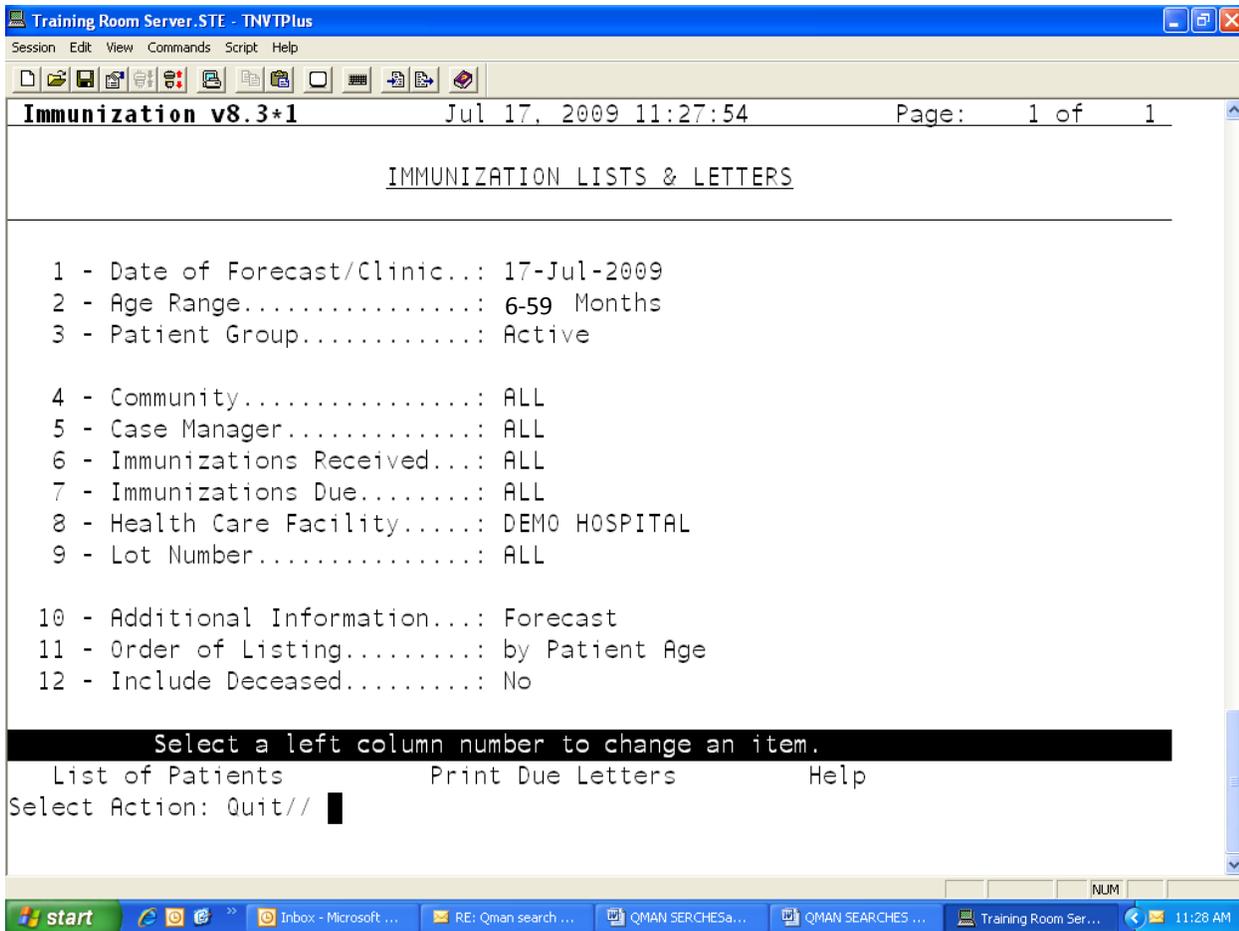
*Note: If you have several counties in your area, the US Census American FactFinder website will not give you a total weighted Average Household Size for multiple county areas. In this case, please generalize and take an average that you feel comfortable with, the state average household size may be used if it looks comparable to your area/counties. Because some areas may not be comparable, we are leaving this up to you to generalize.

**Edits by Julie Erb-Alvarez, Area Epidemiologist, IHS Oklahoma City Area*

INFANTS AND TODDLERS 6 – 59 MONTHS OLD

Use the RPMS Immunization Package to estimate this age group.

1. Go to the RPMS Immunization Package
2. Select PATIENT MENU
3. Select “LLS Patient Lists and Letters”
4. Change Age Range parameters to 6 – 59 months (*note – if age range is currently in years, type M and enter to switch to months*)



HIGH RISK CONDITIONS TEMPLATE FOR QMAN

This section will show you how to create a search template of all the high risk conditions for which influenza vaccine should be considered. Once you have included this, you can use this to generate estimates in different age groups for patients with and without these conditions. IN QMAN:

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: DX <ENTER>

- *AT 'ENTER DX' code, add each of the following codes – note some are ranges. To enter a range, you can type in "250.00-250.93".*

042.0-043.09, 044.9	HIV infection
250.00-250.93	Diabetes
393.-398.99	Rheumatic Heart D.
402.00-402.91	Hypertensive H.D.
404.00-404.93	Hyperten. Heart/Renal
410.00-414.9	Ischemic H.D
415.0-416.9	Pulmonary H.D
424.0-424.9	Other endocardial H.D
425.0-425.9	Cardiomyopathy
428.0-428.9, 429.2	CHF
491.0-491.9	Chronic Bronchitis
492.0-492.8	Emphysema
493.00-493.91	Asthma
494.0-496.	Bronchiectasis, CLD, COPD
501-505	Pneumoconioses
571.0-571.9	Chronic Liver Dis.
581.0-581.9	Nephrotic Syndrome
585.	Renal Failure
996.80-996.89	Transplant
V42.0-V42.89	Kidney Transplant
V58.1	Chemotherapy
V67.2	Chemotherapy f/u

Want to save this DX group for future use? No// Y <ENTER>

Group Name: High Risk Flu

Are you adding 'high risk flu' as a new TAXONOMY? No// Y <ENTER>

TAXONOMY BRIEF DESCRIPTION: conditions for flu vaccination

EXTENDED DESCRIPTION:

No existing text

EDIT? No// <ENTER>

CHILDREN 5-18 YRS WITH HIGH RISK CONDITIONS

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: BETWEEN <ENTER> ,AGES (inclusive)

Start with (and include) AGE: 5<ENTER>

End with (and include) AGE: 18<ENTER>

Attribute of LIVING PATIENTS: DX <ENTER>

Enter DX: [High <ENTER>

Enter Another DX code: <ENTER>

Continue hitting the enter key to get to the Q-Man Output Options screen.

***** Q-MAN OUTPUT OPTIONS *****

Select one of the following:

- 1 DISPLAY results on the screen
- 2 PRINT results on paper
- 3 COUNT 'hits'
- 4 STORE results of a search in a FM search template
- 5 SAVE search logic for future use
- 6 R-MAN special report generator
- 9 HELP
- 0 EXIT

Your choice: DISPLAY// 4 <ENTER> STORE results of a search in a FM search template

Enter the name of the SEARCH TEMPLATE: highrisk children <ENTER>

Are you adding 'highrisk children' as a new SORT TEMPLATE? No// Y <ENTER>

DESCRIPTION:

No existing text

Edit? NO// <ENTER>

This will give you the result of the search as well as saving this list of patients for use later

CHILDREN 5-18 WITHOUT HIGH RISK CONDITIONS

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: BETWEEN <ENTER> ,AGES (inclusive)

Start with (and include) AGE: 5<ENTER>

End with (and include) AGE: 18<ENTER>

Attribute of LIVING PATIENTS: [high <ENTER> risk children

Select one of the following =>

Enter the left bracket and the beginning of the name that the high risk patients were saved under will bring up that list. Choose option #2 to obtain a result of all the health patients in the database that are not in the high risk group.

1) LIVING PATIENTS must be a member of the highrisk children cohort

2) LIVING PATIENTS must NOT be a member of the highrisk children cohort

3) Select a random sample of the highrisk children cohort

4) Count the number of entries in the highrisk children cohort

Your choice (1-4): 1// 2 <ENTER>

Continue hitting enter to obtain your results.

PERSONS 19-24 YRS WITH HIGH RISK CONDITIONS

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: BETWEEN <ENTER> ,AGES (inclusive)

Start with (and include) AGE: 19 <ENTER>

End with (and include) AGE: 24 <ENTER>

Attribute of LIVING PATIENTS: DX <ENTER>

Enter DX: [High <ENTER>

Continue hitting the enter key to get to the Q-Man Output Options screen.

***** Q-MAN OUTPUT OPTIONS *****

Select one of the following:

- 1 DISPLAY results on the screen
- 2 PRINT results on paper
- 3 COUNT 'hits'
- 4 STORE results of a search in a FM search template
- 5 SAVE search logic for future use
- 6 R-MAN special report generator
- 9 HELP
- 0 EXIT

Your choice: DISPLAY// 4 <ENTER> STORE results of a search in a FM search template

Enter the name of the SEARCH TEMPLATE: HIGH RISK PTS 19-24 <ENTER>

Are you adding 'HIGH RISK PTS 19-24' as a new SORT TEMPLATE? No// Y <ENTER>

DESCRIPTION:

No existing text

Edit? NO// <ENTER>

This will give you the result of the search as well as saving this list of patients for use later.

PERSONS 19-24 YRS WITHOUT HIGH RISK CONDITIONS

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: BETWEEN <ENTER> ,AGES (inclusive)

Start with (and include) AGE: 19 <ENTER>

End with (and include) AGE: 24 <ENTER>

Attribute of LIVING PATIENTS: [HIGH <ENTER>

Enter the left bracket and the beginning of the name that the high risk patients were saved under will bring up that list. Choose option #2 to obtain a result of all the health patients in the database that are not in the high risk group.

Select one of the following =>

- 1) LIVING PATIENTS must be a member of the HIGH RISK PTS 19-24 cohort
- 2) LIVING PATIENTS must NOT be a member of the HIGH RISK PTS 19-24 cohort
- 3) Select a random sample of the HIGH RISK PTS 19-24 cohort
- 4) Count the number of entries in the HIGH RISK PTS 19-24 cohort

Your choice (1-4): 1// 2 <ENTER>

Subject of search: PATIENTS

ALIVE TODAY

AGE BETWEEN,AGES (inclusive) 19 and 24

NOT A MEMBER OF 'HIGH RISK PTS 19-24' COHORT

Continue hitting the enter key to obtain the results.

PERSONS 25-64 YRS WITH HIGH RISK MEDICAL CONDITIONS

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: BETWEEN <ENTER> ,AGES (inclusive)

Start with (and include) AGE: 25 <ENTER>

End with (and include) AGE: 64 <ENTER>

Attribute of LIVING PATIENTS: DX <ENTER>

Enter DX: [High <ENTER>

Continue hitting the enter key to get to the Q-Man Output Options screen.

***** Q-MAN OUTPUT OPTIONS *****

Select one of the following:

- 1 DISPLAY results on the screen
- 2 PRINT results on paper
- 3 COUNT 'hits'
- 4 STORE results of a search in a FM search template
- 5 SAVE search logic for future use
- 6 R-MAN special report generator
- 9 HELP
- 0 EXIT

Your choice: DISPLAY// 4 <ENTER> STORE results of a search in a FM search template

Enter the name of the SEARCH TEMPLATE: HIGH RISK PTS 25-64 <ENTER>

Are you adding 'HIGH RISK PTS 25-64 as a new SORT TEMPLATE? No// Y <ENTER>

DESCRIPTION:

No existing text

Edit? NO// <ENTER>

This will give you the result of the search as well as saving this list of patients for use later.

PERSONS 25-64 YRS WITHOUT HIGH RISK CONDITIONS

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: BETWEEN <ENTER> ,AGES (inclusive)

Start with (and include) AGE: 25 <ENTER>

End with (and include) AGE: 64 <ENTER>

Attribute of LIVING PATIENTS: [HIGH <ENTER>

Enter the left bracket and the beginning of the name that the high risk patients were saved under will bring up that list. Choose option #2 to obtain a result of all the health patients in the database that are not in the high risk group.

Select one of the following =>

1) LIVING PATIENTS must be a member of the HIGH RISK PTS 25-64 cohort

2) LIVING PATIENTS must NOT be a member of the HIGH RISK PTS 25-64 cohort

3) Select a random sample of the HIGH RISK PTS 25-64 cohort

4) Count the number of entries in the HIGH RISK PTS 25-64 cohort

Your choice (1-4): 1// 2 <ENTER>

Subject of search: PATIENTS

ALIVE TODAY

AGE BETWEEN,AGES (inclusive) 25 and 64

NOT A MEMBER OF 'HIGH RISK PTS 25-64' COHORT

Continue hitting the enter key to obtain the results.

PERSONS > 65 YEARS OLD

Instructions for using QMAN

What is the subject of your search? LIVING PATIENTS // <ENTER>

Attribute of LIVING PATIENTS: AGE <ENTER>

Condition: OVER <ENTER>

Age: 64 <ENTER>

Continue hitting the enter key to get your results.

