

GOOD PLANNING STARTS WITH GOOD DATA

GETTING THE RIGHT STATISTICS FROM DIMA'S SETTLEMENT DATA BASE

Heading states which variables this report displays

English Proficiency Country Groups by Migration Stream for

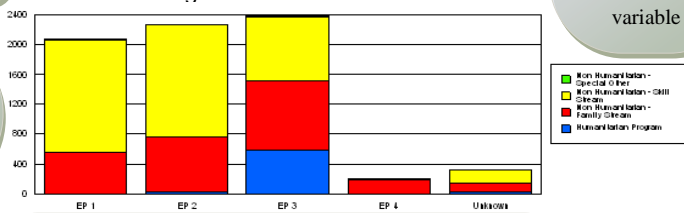
Migration Stream: All Settlers
 Ethnicity: All Settlers
 Geographic Area: All Settlers
 Sex: All Settlers

Filters state how this report was limited

Count in thousands

Y-Axis shows Migration Stream Variable as 1st dimension of the table

Settlers Arriving from 1 Jan 2000 to 1 Feb 2000



Legend displays the attribute labels of the 1st variable

X-Axis shows English Proficiency Variable as 2nd dimension of the table. (Each "EP" type is a different attribute of the variable.)

	EP 1	EP 2	EP 3	EP 4	Unknwn	Total
Humanitarian Program	2	28	584	3	29	646
Family Stream	558	731	930	182	116	2,517
Skill Stream	1,496	1,503	856	25	172	4,052
Special/Other	19	11	7	2	7	46
Total	2,075	2,273	2,377	212	324	7,261

Why are stats important?

Gain an accurate picture of client distribution and attributes

Save money and other resources by targeting client location and other attributes

Ensure assistance goes where it is most needed

What can stats tell me?

Confirm or clarify the client group attributes

Compare facts to facilitate decision making

Which stats are for me?

Ask the right question

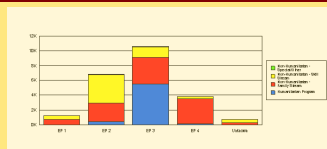
Break it into small parts

Choose your variables and filters

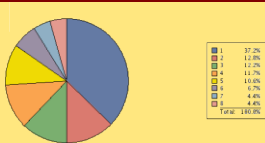
Select the report format

Some sample SDB Graphs

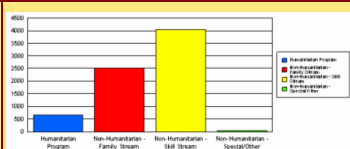
1. English Proficiency by Migration Stream



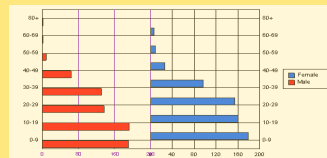
2. Family Size



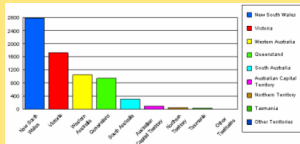
3. Migration Stream



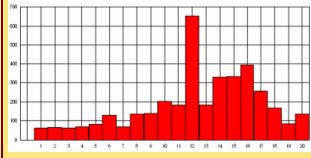
4. Sex by Age



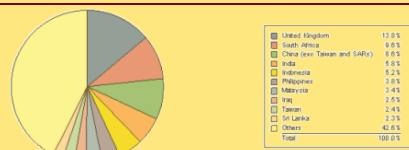
5. State



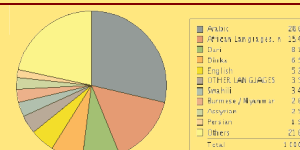
6. Education



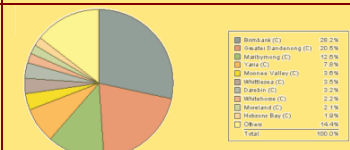
7. Top 10 Countries of Birth



8. Top 10 Languages Spoken



9-11 Top 10 LGAs/Religions etc



These Graph samples are indicative of and correspond to the report type selection on the Settlement Data Base. Only the graphic is shown in this menu, however each report consists of a data table plus the graphic shown.

Getting to know DIMA's Settlement Data Base

What is the SDB?

The Settlement Data Base (SDB) is an internal database developed by DIMA to provide statistical data for government and community agencies involved in the planning and provision of migrant settlement services. It is a count of permanent arrivals to Australia, by consolidating demographic data collected during the visa application process with arrival information and post-arrival updates.

Who is included in the SDB?

Only permanent entrants from 1996 onwards are included (hence no temporary entrants such as students or visitors). Spouses awaiting permanency are included.

An ideal data source!

The SDB is confined to all permanent arrivals to Australia within the last decade and does not count any other types of arrivals or earlier entrants, so it is an ideal data source for settlement services planners to query. Data from the SDB is much more timely than the Census which is only available every 5 years. It is also one of the only other indicators of population change between Censuses apart from births, deaths and marriages data.

How does information get into SDB?

When a settler arrives in Australia their visa application information is initially loaded onto SDB. These records are later updated with certain post-arrival information captured

through special questionnaires, attendance at English classes, and lastly via limited Medicare updates.

How good is SDB data?

SDB is generally reliable but limited only to information that is mandatory in processing new arrivals. Some information, such as English proficiency and location of residence, understandably becomes less current over time.

What is the SDB used for?

Apart from merely counting settler arrivals, SDB gives us basic information on the following variables.

Country of birth	Religion	English proficiency
Sex	Main language	Migration stream
Age	Local Government Area of residence	

How do I get SDB data?

SDB data can be obtained in 3 ways:

- 1) Over the internet. With a little familiarization, you can design and order your own SDB reports and graphs in real time.
- 2) As an annual interactive data package. At the beginning of each financial year, a comprehensive pivot table is made available by the Settlement Planning Information Unit (SPIU) which enables planners to query any combination of attributes.
- 3) By contacting SPIU for more complex statistics.

Ordering Statistics from SDB

SDB now has an improved user interface on the internet to enable simplified DIY input of your statistical order

Understanding statistical basics

Before ordering a table from SDB, it is important to understand the difference between a Variable and a Filter. Correct handling of these two statistical concepts will help you select the correct type of report and give you the most readable format first time.

Variables and Filters need to be used efficiently to display your report in the best way and avoid complicating your report with unnecessary data. As a rule, it is best to use Filters as much as possible to limit your data, and only invoke Variables for attributes that you need to compare.

Variable

A variable is a measured trait of the population of which you require multiple attributes to be displayed in the table. For example, having Country of Birth (COB) as a variable means your population can be ranked or displayed according to all or several COBs. The Variable(s) is what determines the report's structure (ie what is in the column and row axes of the table); and also what kinds of graphs will be allowed.

Filter

A filter is a single attribute through which to limit your population. For example, if you want to list only persons born in India, then that COB can be a filter. The advantage with filters is that you can have any number of filters as they do not complicate the table. For example, "female skilled migrants born in India, who settled in Manningham after 2004" describes a data set using only Filters.

How to Order

All requests for SDB reports commence on the "Settlement Reports" interface at:

www.settlement.immi.gov.au/settlement/enterSelectReport.do

On the next pages, tutorials take you through some basic types of data orders. We hope you enjoy designing your own SDB reports!

The Settlement Data Base user interface "Settlement Reports" is a component of the Department of Immigration and Multicultural Affairs (DIMA)'s E-Business Systems. This introductory paper was produced by DIMA Victoria's Settlement Planning & Information Unit. To provide feedback on this publication, get more assistance, or to subscribe to free information products, contact the Unit at: settinfo.vic@immi.gov.au

TUTORIAL I - Getting an Area distribution for a single nationality

1. Situation: A Vietnamese organisation needs to know where the community mainly live for a funding application

2. Ask the question: "How many Vietnamese migrants live in which main Local Government Areas in Victoria?"

3. Expand the attributes into variables: Vietnamese → COB, Victoria → State, LGA → LGA

4. Decide about Variables / Filter breakdown: COB F, State F, LGA V. Both COB and State will be Filters because only a single result is required for each. LGA is a Variable as we need to see all the results.

5. Open: www.settlement.immi.gov.au/settlement/enterSelectReport.do The first decision is choice of Report. This is determined by the Variable. Look for the Report that contains the Variable you want. You do not need to worry about filters at this stage!

Select report(s)

Reports: English Proficiency Groups by Migration Stream, Family Size Distribution, Migrant and Refugee Numbers, Sex By Age Group, State Distribution, Years of Education Distribution, Top 10 Countries of Birth by Migration Stream, Top 10 Languages Spoken, Top 10 Local Government Areas, Top 10 Migration Categories, Top 10 Religions, Top 20 Countries of Birth by Migration Stream

Period of arrival: From 01 / July / 2001 To 30 / June / 2006

Report view: How would you like to receive the report(s)? E-mail, view now

Choose your method of delivery. Selecting "View Now" does not mean the report is generated immediately. More selection follow on the next page!

This report will give us the LGA variable

Specify date range

Click next to proceed to next screen

6. The next screen will prompt you for Geographic Area, Migration Category, Ethnicity Indicator and Sex. These are your Filters

Report criteria: Sex By Age Group

Geographic area: Select the level of geographic area you require, and then the specific area in which you are interested. All of Australia

Migration category: Select the level of aggregation of migration categories you require. All Settlers

Ethnicity indicator: Select the ethnicity indicator variable (birthplace, language, religion or English Proficiency (EP) Country Group) you require, together with the specific item you are interested in. All Settlers

Geographic area groups Capital City, State, and Statistical Division & Stat Subdivision filters

Migration category filter:

Ethnicity Indicator groups Birth-country, English Proficiency, Language and Religion Filters

7. Select your Filters

a. Geographic Area: State, Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, Western Australia

b. Migration Category: All Settlers, Family - Child, Family - Other, Family - Parent, Family - Spouse/Fiance, Humanitarian - Refugee, Humanitarian - Special Assistance, Humanitarian - Special Hum Program, Onshore: Family - Other, Onshore: Family - Spouse/Fiance, Onshore: Humanitarian, Onshore: Skill, Onshore: Special Elig/Other, Skill - Australia/Regional Linked, Skill - Business, Skill - Employer Nomination, Skill - Independent, Skill - Special Talents, Special Eligibility/Other

c. Ethnicity indicator: Sweden, Switzerland, Syria, Taiwan, Tanzania, Thailand, Tonga, Turkey, USA, Uganda, Ukraine, United Arab Emirates, United Kingdom, Unknown, Uruguay, Uzbekistan, Venezuela, Viet Nam, Zambia, Zimbabwe

You don't want to filter the migration category so leave it at default: "All Settlers."

COB Viet Nam gets filtered here:

8. The next screen advises that your report is being processed...

View report(s)

Click on the link(s) below to display the report(s).

Some reports may take several minutes to complete. You may only view a report once on this Refresh link to update report status.

To print a report you will need Adobe® Acrobat® Reader

Top 10 Local Government Areas (Running)

Click on Refresh periodically until "Running" disappears from behind your report title.

9. Click on the underscored Report name to view

Top 10 Local Government Areas

10. View your report

The organisation now has a Total Population figure, with indicators of the ten LGAs where the majority of Vietnamese migrants is living, and can thereby support its funding application.

By using screenshot or the little toolbar, you can export or print the SDB report to incorporate it into another document or analysis.

Top 10 Local Government Areas for Migration Stream: All Settlers, Country of Birth: Viet Nam, State / Territory: Victoria, Sex: All Settlers, Settlers Arriving from 1 Jul 2001 to 30 Jun 2006

Local Government Area	State	Number of Settlers
Brimbank (C)	VIC	1,233
Greater Dandenong (C)	VIC	906
Maribyrnong (C)	VIC	521
Yarra (C)	VIC	324
Moonee Valley (C)	VIC	169
Whittlesea (C)	VIC	149
Darebin (C)	VIC	134
Monash (C)	VIC	99
Whitehorse (C)	VIC	98
Moreland (C)	VIC	86
Others		780
LGA Unknown		156
Total		4655

Main Report

TUTORIAL 2 – Getting a Sex/Age distribution

- Situation:** An organisation wants to plan Family services to Turkish families across Victoria.
- Ask the questions:** "How many Turkish men & women are in Victoria?"
- Expand the attributes into variables:** Turkish Men/women, Victoria, Age → COB, Sex, State, Age
- Decide about Variables - Filter breakdown**

COB	F
Sex	V
State	F
Age	V

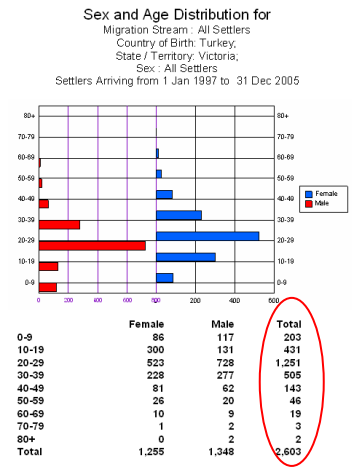
Both COB and State will be **Filters** because only a single result is required for each. Sex and Age are **Variables** as we need to see all the results.

5. **Open:** www.settlement.immi.gov.au/settlement/enterSelectReport.do
There are two variables this time. Look for the report that contains both the **Variables** you need. Select the "Sex by Age" report.

6. **The next screen will prompt you for the following Filters:**

7. **Result:**

The organisation now has a Total Population figure, with indicators of how many Turkish migrants there are in each age group for both sexes.



By using screen-shot or the toolbar, you can export or print the SDB report to incorporate it into another document or analysis.

TUTORIAL 3 – Managing more Variables

- Situation:** To best target its bilingual recruitment, an organisation in Melbourne's northern suburbs needs a profile of non-English speaking migrants and refugees arriving in the area.
- Ask the question:** "What are the COBs, Migration Categories and levels of English Proficiency in the settlement target group for the Northern Melbourne region?"
- Expand the attributes into variables:** COB, Migration Cat., Low English, Northern Melb → COB, Mig. stream, Eng Proficiency, Stat. Subdivision
- Decide about Variables - Filter breakdown**

COB	V
Mig. Stream	V
Eng Proficiency	V
SSD	F

The first three are all **Variables** as we need to view multiple results. SSD is a **Filter** because only a single result is required

5. **Open:** www.settlement.immi.gov.au/settlement/enterSelectReport.do
There are three variables and no single report will yield all three of them. Here you need to choose a report that yields 2 of the most populous variables and render the third variable using a filter.

6. **Select your filters in the next screen:**

a. **Geographic area:**

b. **English Proficiency:**

Any number of separate SSDs can be selected by holding down Ctrl key

While we originally wanted to see several English Proficiency (EP) levels, we had to drop EP as the third variable and take it as a Filter. In the above example the two lowest EP levels have been grouped together, but alternatively if separate results are critical, the report could be run several times with a different level.

7. **Result:**

Top 20 Countries by Migration Stream for
Migration Stream : All Settlers
English Proficiency: EP 3, EP 4
Statistical Subdivision: Northern Middle Melbourne,
Sex : All Settlers
Settlers Arriving from 1 Jul 2001 to 30 Jun 2006

Country of birth	Humanitarian	Family	Skill	Special/ Other	Total
China (exc Taiwan and SARs)	5	440	596	0	1,041
Sudan	232	5	1	0	238
Viet Nam	2	133	29	0	164
Somalia	94	58	0	0	152
Iraq	112	39	2	0	144
Lebanon	7	114	11	0	132
Thailand	0	80	16	0	96
Japan	0	61	21	0	82
Iran	56	10	14	0	80
Egypt	27	18	29	0	74
FYROM	0	54	16	0	70
Hong Kong (SAR of China)	0	17	41	0	58
Korea (South)	0	19	30	0	49
Other (includes all other countries)	0	0	0	0	47
Total	411	700	686	0	1,807

EP as Filter

The organisation now has comparative figures of the most significant communities in its catchment area with low English, along with their migration stream. (This type of report does not come with a graph.)