

Production of Migration-Related Statistics

Turkey Experience



**8th Session of the OIC-Statistical Commission in Ankara, Turkey-
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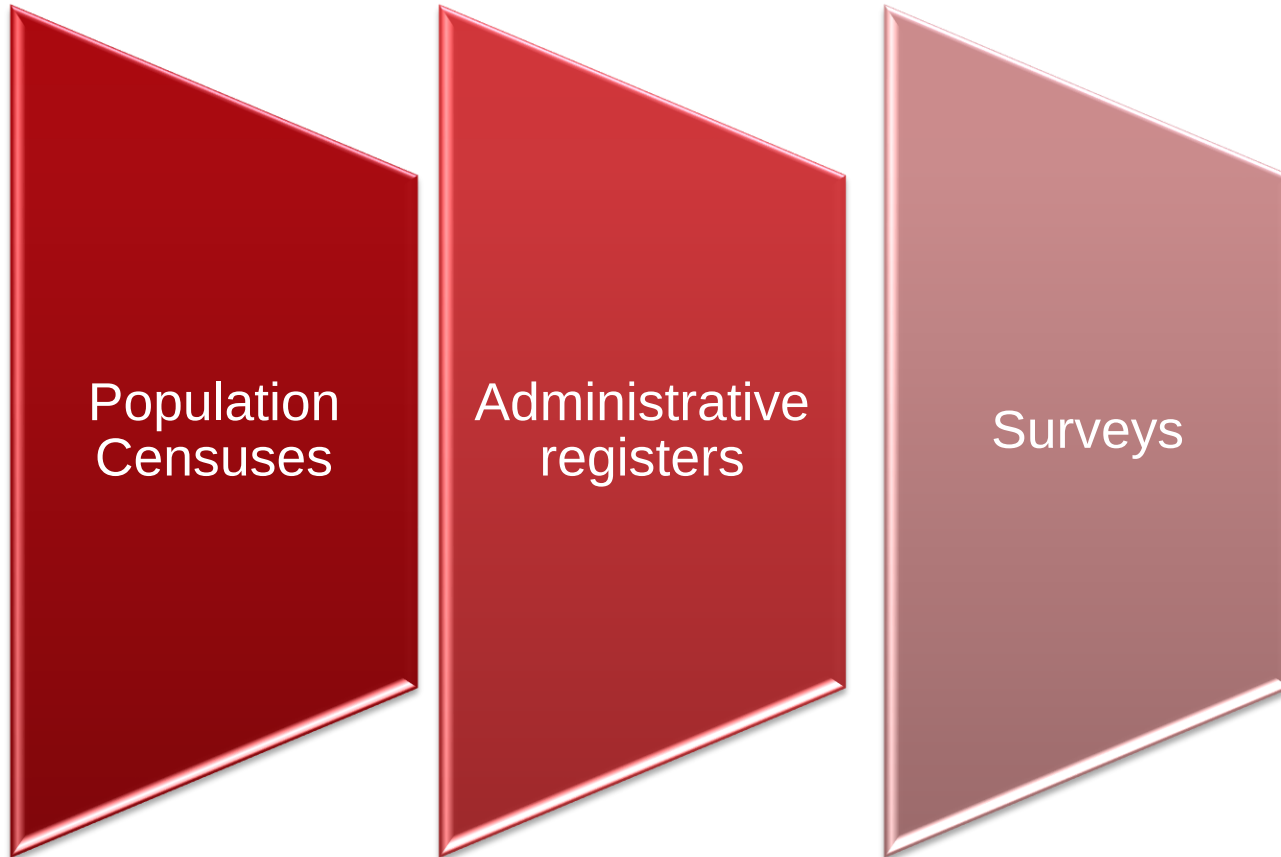
Current situation



Official Statistics Programme (OSP)

- ❑ To determine the basic principles and standards dealing with the production and dissemination of official statistics and to produce reliable, timely, transparent and impartial data required at national and international level
- ❑ Since 2007; three OSPs entered into force, the last one for 2017-2021
- ❑ Under "international migration statistics" working group, following 6 sub-groups exist:
 - Foreign population (stock) statistics –*Turkstat*-
 - Immigration and emigration (flow) statistics –*Turkstat*-
 - Statistics on Turkish citizens living abroad –*Turkstat*-
 - Citizenship statistics (statistics on the acquisition and loss of citizenship) -*Ministry of Interior (DG of Civil Registration and Nationality)*-
 - Statistics on residence permits, refugees, conditional refugees, subsidiary protection, temporary protection and illegal migration - *Ministry of Interior (DG of Migration Management)*-
 - Work permits statistics - *Ministry of Family, Labour and Social Services*-

Data Sources



Data Sources -Population Censuses-

Population Censuses

- ❑ 14 traditional population censuses
 - First census in 1927
 - Last traditional census in 2000
- ❑ After establishment of Address Based Population Registration System (ABPRS), first census with combined method in 2011
 - 20%: Address Based Population Registration System
 - 80%: Sample survey



Data Sources -Surveys-

Surveys

- ☐ No migration-specific survey
- ☐ No ad-hoc module in regular household surveys
- ☐ Labour Force Surveys



Data Sources - Labour Force Surveys

□ Turkish Household Labour Force Survey;

- The main objective of the LFS is to obtain information on the structure of the labour market in Turkey
- Regular application since 1988 in line with international norms and standards
- All settlements in Turkey have been covered in sample selection
- Sampling unit is address and survey is applied to all individuals living in the households
- Continuous survey with quarterly 44 000 and yearly 176 000 households
- Monthly press releases and annual Regional results

LFS Questions related with migration and place of birth

Variable name	Codes
Nationality	1. Republic of Turkey 2. Other (Country code)
Place of birth	1. Turkey (Province code) 2. Abroad (Country code)
Previously living in another country or province (12 months or more)	1. Date of arrival (Year/month) 2. From which country/province

Publications- Labour Force Survey

Labour force status by non-institutional population by place of birth

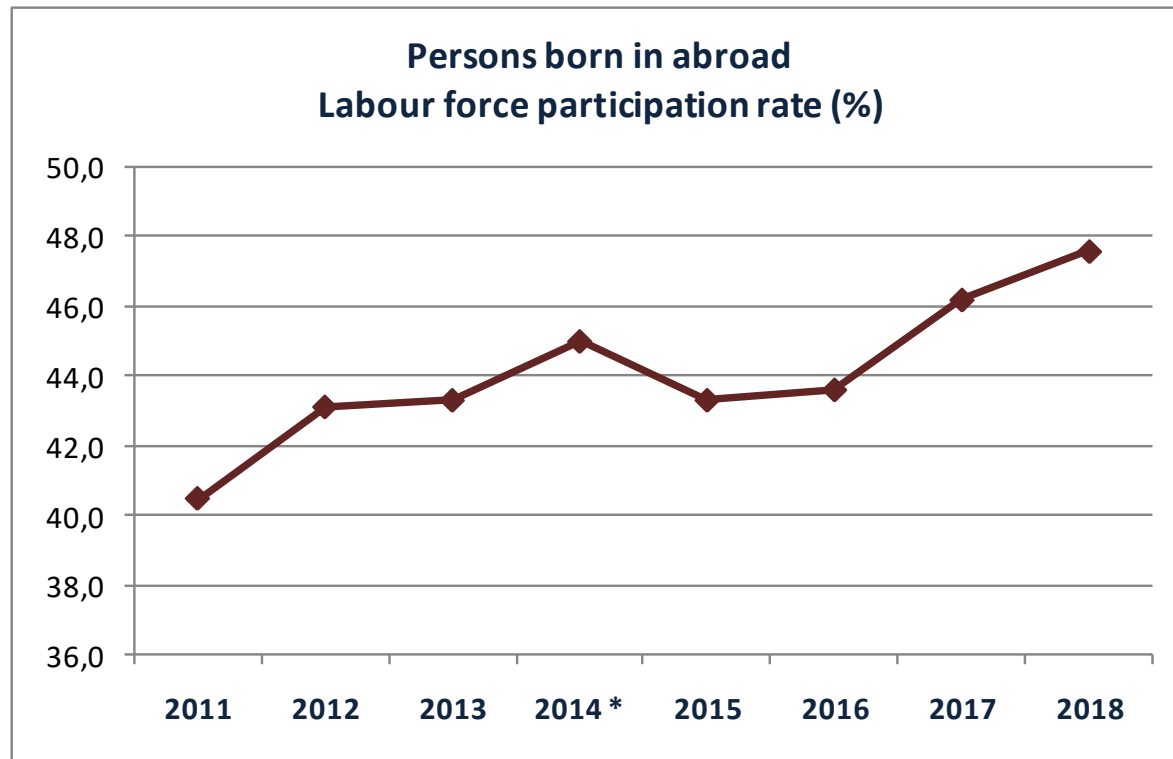
[15+ age]

('000)

Years	Born in Turkey			Born in abroad		
	Labour Force participation rate	Employment rate (%)	Unemployment rate (%)	Labour Force participation rate	Employment rate (%)	Unemployment rate (%)
2011	50.0	45.1	9.8	40.5	35.5	12.3
2012	50.1	45.5	9.2	43.1	37.7	12.5
2013	51.0	46.0	9.7	43.3	38.0	12.1
2014 *	50.6	45.7	9.9	45.0	39.2	12.7
2015	51.5	46.2	10.2	43.3	37.8	12.8
2016	52.2	46.6	10.9	43.6	38.1	12.5
2017	53.0	47.3	10.9	46.2	40.7	12.0
2018	53.4	47.5	10.9	47.6	41.9	12.0

* Break in series due to starting continuous survey

Publications- Labour Force Surveys



Indicators by “nationality” in Labour Force Survey

- The information about the individuals surveyed is expanded with weight coefficients for estimations to give the total population.
- Within the scope of the definition of household, survey is conducted with foreigners living or intending to reside in the sample address for 12 months or more.
- The Address-Based Population Registration System (ABPRS), which uses both the sample address framework and the demographic structure of the population, is used in the Household Labor Force Survey.
- In the ABPRS, very few of the total number of foreigners (specially Syrians) included who are under temporary protection and only have residence permits.
- Since the total of coefficients used in the weighting of foreign individuals cannot reflect the actual structure, the indicators in the nationality detail cannot be published.

Data Sources-Administrative Registers-

ABPRS

** base for population projections and life tables*

** frame for household surveys*

Administrative registers

Currently used:

- ☐ Address Based Population Registration System (ABPRS)-(2007)
 - population size by administrative divisions,
 - basic characteristics of population such as age, sex, educational attainment and marital status,
- ☐ Residence-work permits and other registers related to foreigners
- ☐ Since;
 - 2007 annual population statistics
 - 2012 country of citizenship breakdown
 - 2014 country of birth breakdown
 - 2016 immigration and emigration
 - 2018 first year of residence for the foreigners

Foreigners in Official Population

- ❑ Foreign population covers individuals;
 - Holding a valid residence/work permit at the reference day,
 - Holding an identity document equivalent to residence permit (international protection, etc.) with a valid address declaration at the reference day,
 - Who have already renounced his/her T.R. citizenship and who are residing in the country with a valid address declaration at the reference day.

In addition to Syrians under temporary protection, foreigners holding visas or residence permits shorter than 3 months with the purpose of training, tourism, scientific research etc., are not covered in annual population statistics.



**LAW
ON FOREIGNERS AND
INTERNATIONAL PROTECTION**



Foreigners in Official Population

Population group	Explanation	Covered in total population?
Foreigners holding residence permit valid shorter than 3 months	Individuals present in Turkey for a short period of time with the aim of tourism, courses, scientific research, etc.	No
Individuals under temporary protection	With the temporary protection identification document, individuals are granted the right to stay in Turkey. However, the document is not equivalent to a residence permit or documents which substitute residence permits. Additionally, the document does not grant the right for transition to long term residence permit, its duration is not be taken into consideration when calculating the total term of residence permit durations and not entitle its holder to apply for Turkish citizenship	No
Refugees	The identity documents issued to persons granted refugee status have <u>three years validity</u> and they <u>substitute residence permits</u> .	Yes
Conditional refugees and individuals under subsidiary protection	The identity documents issued to the conditional refugees and individuals under subsidiary protection have <u>one year validity</u> and they <u>substitute residence permits</u> .	Yes

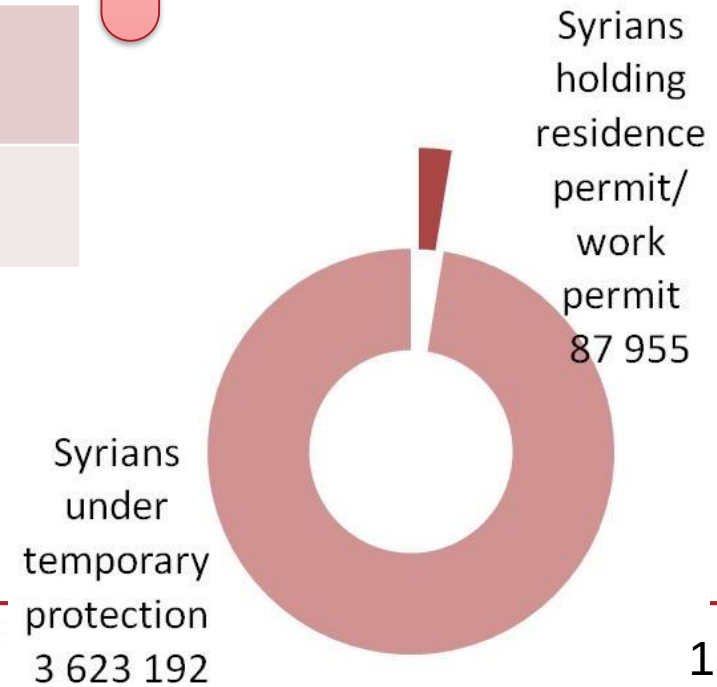
Exception to Syrians

- ❑ Syrians are residing in Turkey by two ways:
- Those holding residence permit/work permit or
 - Those under temporary protection.

Official population	82 003 882	
Foreigners	1 211 034	1,5% of the total population
Syrians	87 955	2,4% of the total Syrians

- **Syrians under temporary protection are not covered in total official population.**
- Thus, the group is not covered in the frame of household surveys.

According to DGMM:
3 623 192 million
Syrians under
 temporary protection by
 the end of 2018



Existence of Migration-Related Variables

International Migration Variables	Traditional censuses (1927-2000)	2011 PHC	ABPRS (Since 2007)
Stock Population			
<i>Population</i>	De-facto	De-jure	De-jure
<i>Country of Birth</i>	✓	✓	✓ -Since 2014-
<i>Country of Citizenship</i>	✓	X	✓ -Since 2012-
<i>Ever resided abroad</i>	X	✓	X
<i>First Year of Residence</i>	X	X	✓ -Since 2018-
Migration Flows			
<i>Immigration (country of birth, country of citizenship, previous country of residence) – Five years-</i>	✓	X	X
<i>Immigration (country of birth) –One year-</i>	X	✓	✓ -Since 2016-
<i>Immigration (country of citizenship) –One year-</i>	X	X	✓ -Since 2016-
<i>Immigration (Previous country of residence) –One year-</i>	X	✓	X
<i>Emigration (country of birth and country of citizenship) –One year-</i>	X	X	✓ -Since 2016-
<i>Emigration statistics (Next country of residence) –One year-</i>	X	X	X
<i>Reason for migration</i>	✓ (2000)	✓	X -Studies are ongoing-

In ABPRS, there is no information on employment



Studies on production of immigration & emigration statistics



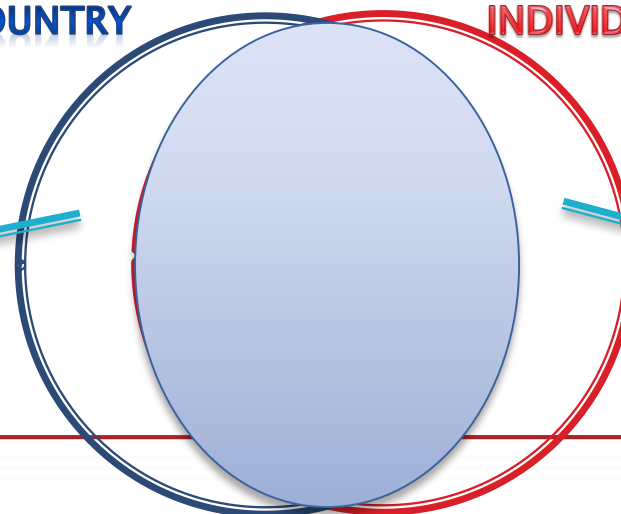
Challenges-Constraints

- Immigration and emigration statistics have not been produced based on administrative registers so far
- Census and survey data is very limited in production of this information.
- According to the **Official Statistics Programme**, this is one of the topics that Turkstat is responsible.
- Lack of information in registers and gaps in legal legislation:
 - No deregistration system while moving to abroad,
 - No sanctions and incentives

INDIVIDUALS PRESENT IN THE COUNTRY

INDIVIDUALS PRESENT IN THE REGISTERS

*Those who are not in the administrative registers while present in the country
-under coverage-*



*Those who are in the administrative registers but not present in the country
-over coverage-*

International Migration Data Sources



Production of Immigration and Emigration Statistics

Based on Adress Based Population Registration System;

Demographic Balance Equation:

$$P(t + 1) = P(t) + \text{Births} - \text{Deaths} + \text{Immigration} - \text{Emigration}$$

Assumptions of Immigration and Emigration

- **Analysis on administrative registers**

Emigration: **Present in Turkey in year t ; Not present in Turkey in year $t+1$**
death or emigration?

Immigration: **Not present in Turkey in year t ; Present in Turkey in year $t+1$**
birth or immigration?

- **Analysis based on family members (for only Turkish Citizens MERNIS registers were used)**

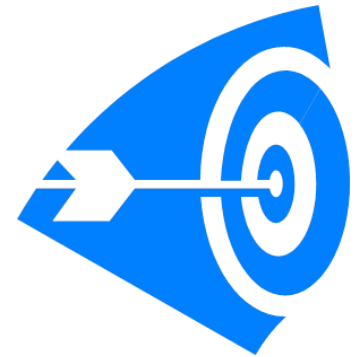
Ongoing studies: 2021 Population and Housing Census



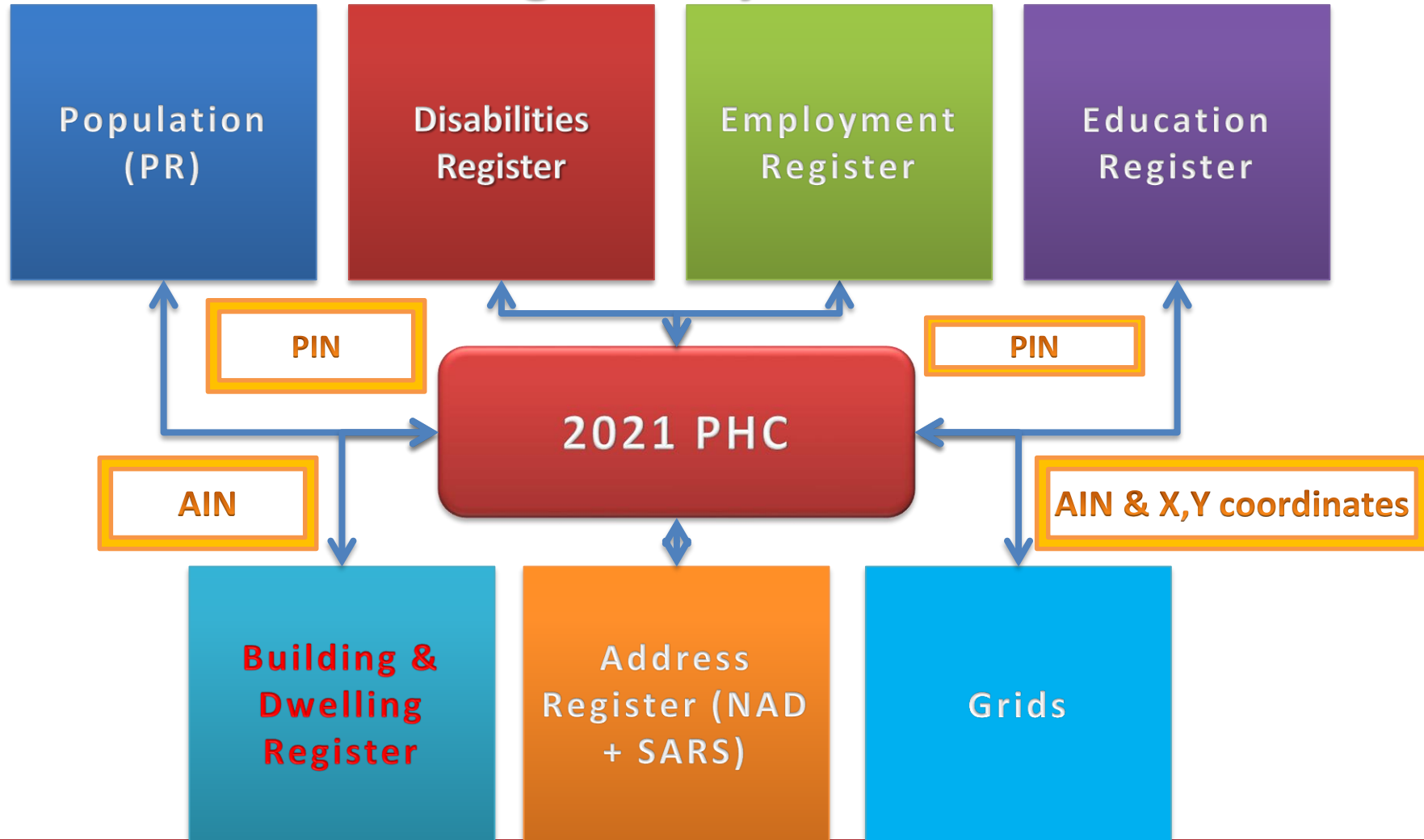
Plans for 2021 PHC

- ❑ With the goal of producing;
 - more timely,
 - less costly,
 - more useful,
 - more detailed annual population statistics:

- ❑ Changing the census methodology from combined to **register based**.



Targeted System



Background

- As a result of preparation studies of Labour Force Statistics Working Group, **2 main alternatives** were determined to produce statistics on the economic characteristics of the population for 2021 PHC.

Accordingly:

- **Use of related administrative registers** by taking the PR (ABPRS) as the frame and estimating the missing observations considering the quality issues.
- **Use of existing LFS data** by increasing the sample size which will be sufficient to make estimations for NUTS-3 level by the year 2020 or using the existing LFS data by combining the multiple period data to extend the sample size with a special weighting method namely “repeated weighting”.

Preparatory Works

- ❑ TurkStat has been started to use PR data (with PINs) in LFS since January 2018.
 - To link survey data with administrative registers
 - To obtain more coherent information
 - To evaluate the quality
- ❑ By this way, related databases will be able to be matched and checked at individual level.
 - LFS & PR
 - LFS & Registered Employment and Unemployment

Registers linked to ABPRS

- ☐ Following data that are already in use of TurkStat (by different divisions for various reasons) were linked to ABPRS.
- ☐ Address Based Population Registration System (ADNKS/ABPRS)
- ☐ Social Security Institution (SGK)
- ☐ Turkish Employment Agency (İŞKUR)
- ☐ Farmer Registration System (ÇKS)
- ☐ Tradesmen Information System (ESBİS)
- ☐ Ministry of Family, Labour and Social Services (MoFLS) , Disabled Population
- ☐ Ministry of Education (MoE), Active Student Records
- ☐ Higher Education Council, Active Student Records
- ☐ Ministry of Treasury and Finance (MoTF), Tax and Income Records

Main figures



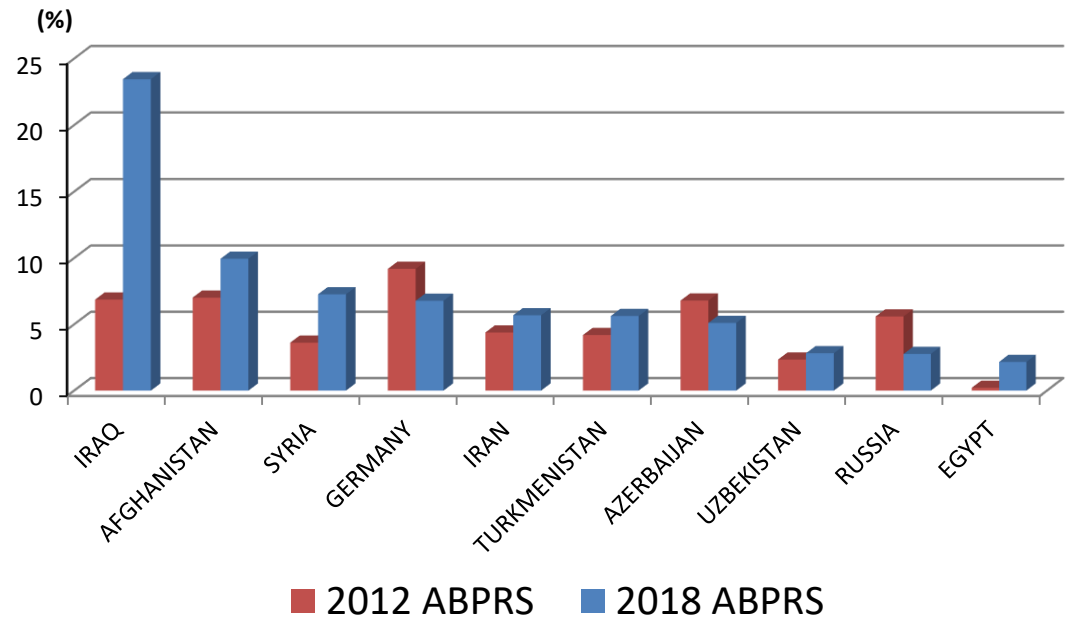
ABPRS Population

Year	Total Population	Foreign Population	
		Number	Percent in the Total Population (%)
2007	70 586 256	98 064	0,14
2008	71 517 100	104 441	0,15
2009	72 561 312	167 344	0,23
2010	73 722 988	190 531	0,26
2011	74 724 269	242 128	0,32
2012	75 627 384	278 664	0,37
2013	76 667 864	456 506	0,60
2014	77 695 904	518 279	0,67
2015	78 741 053	650 308	0,83
2016	79 814 871	816 410	1,02
2017	80 810 525	919 061	1,14
2018	82 003 882	1 211 034	1,48

Population by Country of Citizenship

Country of Citizenship	2018	2012
TOTAL FOREIGN POPULATION	1 211 034	278 664
IRAQ	283 934	19 124
AFGHANISTAN	120 409	19 539
SYRIA	87 955	10 067
GERMANY	82 031	25 589
IRAN	68 839	12 211
TURKMENISTAN	68 146	11 668
AZERBAIJAN	61 807	18 917
UZBEKISTAN	34 090	6 517
RUSSIA	33 441	15 582
EGYPT	26 162	590
OTHER	344 220	138 860

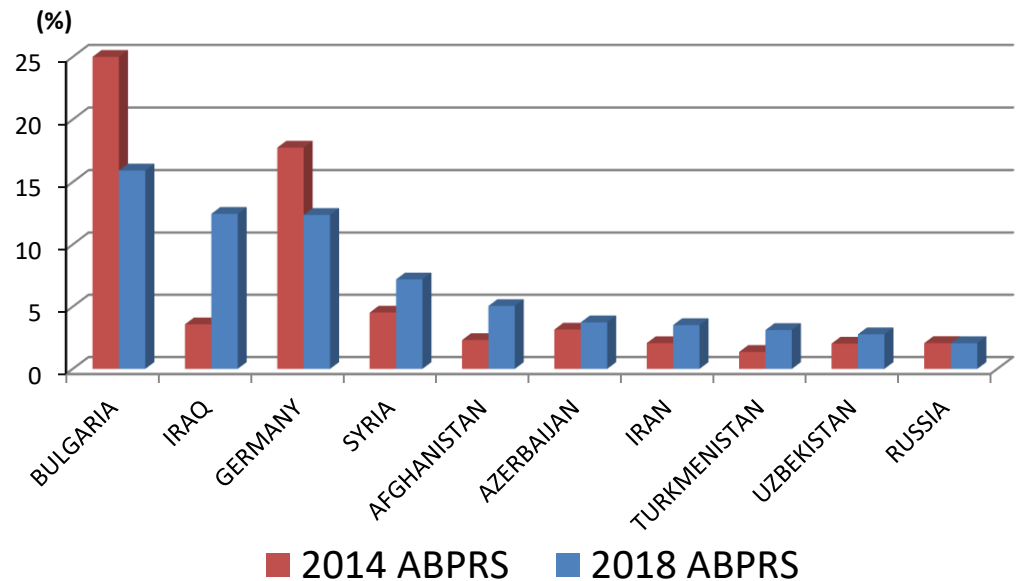
The first 10 nationalities with the highest proportion of foreign population in Turkey



Population by Country of Birth

Country of birth	2014	2018
TOTAL FOREIGN BORN POPULATION	1 459 775	2 278 490
BULGARIA	382 068	362 749
IRAQ	52 220	283 759
GERMANY	259 078	281 867
SYRIA	66 056	163 808
AFGHANISTAN	33 770	115 162
AZERBAIJAN	46 107	85 264
IRAN	30 192	80 161
TURKMENISTAN	19 876	71 187
UZBEKISTAN	29 632	63 244
RUSSIA	30 253	47 178
OTHER	510 523	724 111

The first 10 country with the highest proportion of birth in Turkey



Migration Flow Statistics

Period	Immigration	Emigration	Net migration
2015-2016	380 921	177 960	202 961
2016-2017	466 333	253 640	212 693
2017-2018	577 457	323 918	253 539

Migration Flows by Country of Citizenship

First 5 countries with the largest immigrant and emigrant population by country of citizenship, 2018

(%)

Country of citizenship	Immigrants
Iraq	23.6
Afghanistan	9.6
Syria	8.4
Turkmenistan	7.5
Iran	6.8

(%)

Country of citizenship	Emigrants
Iraq	20.6
Azerbaijan	7.4
Uzbekistan	7.0
Turkmenistan	5.4
Iran	4.9

Migration Flows by Country of Birth

First 5 countries with the largest immigrant and emigrant population by country of birth, 2018

(%)

Country of birth	Immigrants
Iraq	22.6
Afghanistan	8.4
Turkmenistan	7.2
Iran	7.1
Syria	6.7

(%)

Country of birth	Emigrants
Iraq	18.0
Uzbekistan	6.5
Azerbaijan	6.4
Germany	6.2
Turkmenistan	4.8



Thank you...