

Vital Statistics in Turkey

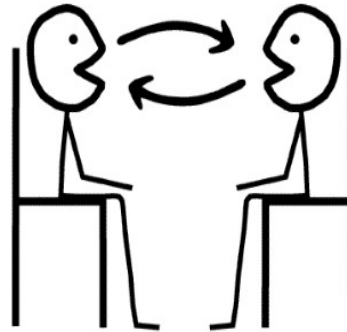
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VITAL STATISTICS



- Birth statistics
- Death statistics
- Marriage statistics
- Divorce statistics



Vital Statistics

- Coverage
 - Country-wide

- Data Collection System
 - Administrative registers

- Data sources
 - MERNIS (The Central Civil Registration System)
 - District Population Directorates

Birth Statistics

➤ Birth Statistics

- MERNIS (The Central Civil Registration System)
- Since 2001
- 90 % in first year
- 95 % at the end of second year
- Completed 5 years
- Revised retrospectively
- Announced with press releases yearly
- CBR, ASFR, TFR, Adolescent fertility rate

➤ Disadvantages

- 10 % not registered on time
- Live births of new born infant deaths is missing

Birth Statistics

➤ Analysing

- Birth data derived from MERNIS
- Editing row data
- Consistency checks between variables
- Checking the data with previous years
- Calculation of the fertility indicators
- Comparing with “population and health surveys” and “population projection results”

➤ Disadvantages

- Limited sources

Birth Statistics

- Compiled by date of occurrence and date of registration
- Using date of occurrence in analysis
- Produced by place of residence
 - Province and district

- Tabulated by province level
(Data related to district level is also available)

Birth Statistics

- Variables;
 - ID number of infant
 - ID number of mother and father
 - Usual residence of mother and father
 - Date of birth event
 - Sex of infant
 - Birth date of mother and father
 - Educational level of mother and father
(National education statistics data base)

Birth Statistics

- Missing variables;
 - Mother's;
 - Working status
 - Demographic information of foreign nationality mother
 - Urban/rural residence
 - Infant's;
 - Birth order
 - Time of delivery
 - Method of delivery
 - Weight of birth

Death Statistics

- Death Statistics
 - MERNIS (The Central Civil Registration System)
 - Since 2009
 - 90 % in first year
 - 95 % at the end of second year
 - Completed 5 years
 - Revised retrospectively
 - Announced with press releases yearly
 - CDR, IMR, ASDR, U5MR, Neonatal and post neonatal infant mortality rate
- Disadvantages
 - 10 % not registered on time
 - New born infant deaths are missing

Death Statistics

- Death data derived from MERNIS
- Editing row data
- Matching of the MERNIS death data and TurkStat cause of death data
- Missing records in MERNIS death records are completed from TurkStat cause of death records (Especially new born infant deaths)
- Consistency checks between variables
- Checking the data with previous years
- Calculation of the mortality indicators
- Comparing with “population and health surveys” and “population projection results”

Death Statistics

- Compiled by date of occurrence and date of registration
- Using date of occurrence in analysis
- Produced by place of residence
 - Province and district
- Tabulated by province level
(Data related to district level is also available)

Death Statistics

- Variables;
 - Usual residence
 - Sex
 - Date of death event
 - Birth date of deceased
 - Marital status
 - Education status

(National education statistics data base)
- Missing variables;
 - Working status
 - Urban/rural residence

Marriage and Divorce Statistics

- Marriage and Divorce Statistics
 - MERNIS (The Central Civil Registration System)
 - Since 2001
 - Announced with press releases yearly
 - CMR, CDR, Average age at marriage, Mean age at first marriage

Marriage and Divorce Statistics

- Marriage and divorce data derived from MERNIS
- Editing row data
- Consistency checks between variables
- Checking the data with previous years
- Calculation of the marriage and divorce indicators
- Compiled by date of occurrence
- Using date of occurrence in analysis
- Produced by place of event (province level)
- In district level;
 - Place of event for marriages
 - Place of residence of male for divorces
(Because of not available courts in every district)

Marriage and Divorce Statistics

- Tabulated by province level
(Data related to district level is also available)
- Variables for marriages;
 - ID number
 - Date of birth
 - Date of marriage
 - Nationality
 - Marital status before current marriage
 - Education status
(National education statistics data base)
- Missing variables;
 - Working status
 - If couples are foreign nationality , they are not included in data

Marriage and Divorce Statistics

- Variables for divorces;
 - ID number
 - Date of birth
 - Date of marriage
 - Cause of divorce
 - Date of final judgement
 - Education status
(National education statistics data base)

- Missing variables;
 - Working status
 - If couples are foreign nationality , they are not included in data

Vital Statistics

Our targets are to;

- Be registered on time of birth and death events
- Eliminate the lack of coverage on birth and death events
- Obtain information of foreign nationality of mothers in birth statistics
- Produce vital statistics related to urban/rural residence

Ongoing study is to;

- Establish birth notification system

Vital Statistics

- Vital statistics are presented to users as;
 - Press releases yearly
 - Electronic files
 - Web sites

<http://www.turkstat.gov.tr>

- Statistics tables

http://www.turkstat.gov.tr/PreTablo.do?alt_id=1060

- Data base

http://www.turkstat.gov.tr/PreTablo.do?alt_id=1060

Vital Statistics

Basic fertility and mortality indicators

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total fertility rate (Number of children)	2,38	2,17	2,09	2,11	2,12	2,12	2,16	2,15	2,10	2,08	2,04	2,11	2,10	2,17
Crude birth rate (‰)	20,3	18,6	17,9	18,1	18,2	18,1	18,4	18,2	17,6	17,2	16,8	17,2	17,0	17,3
Number of births	1 323 341	1 229 555	1 198 927	1 222 484	1 244 041	1 255 432	1 289 992	1 295 511	1 266 751	1 259 877	1 247 081	1 290 387	1 291 217	1 337 504
Mean age of mother	26,2	26,3	26,5	26,5	26,5	26,6	26,7	26,8	26,9	27,2	27,3	27,5	27,7	27,9
Crude death rate (‰)	-	-	-	-	-	-	-	-	5,1	5,0	5,1	5,0	4,9	5,1
Number of deaths	-	-	-	-	-	-	-	-	369 703	366 471	376 162	376 338	372 686	390 121
Infant mortality rate (‰)	-	-	-	-	-	-	-	-	13,9	12,0	11,7	11,6	10,8	11,1
Number of infant deaths	-	-	-	-	-	-	-	-	17 607	15 164	14 567	14 955	13 993	14 821

Vital Statistics

Crude marriage and divorce rate

Year	Number of marriages	Crude marriage rate (‰)	Number of divorces	Crude divorce rate (‰)
2001	544 322	8,36	91 994	1,41
2002	510 155	7,73	95 323	1,44
2003	565 468	8,46	92 637	1,39
2004	615 357	9,09	91 022	1,34
2005	641 241	9,35	95 895	1,40
2006	636 121	9,17	93 489	1,35
2007	638 311	9,09	94 219	1,34
2008	641 973	9,03	99 663	1,40
2009	591 742	8,21	114 162	1,58
2010	582 715	7,98	118 568	1,62
2011	592 775	8,02	120 117	1,62
2012	603 751	8,03	123 325	1,64
2013	600 138	7,89	125 305	1,65
2014	599 704	7,80	130 913	1,70

Thank you for your attention

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