

Astana Medical University
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IWS

Study of the natural movement of the population

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- The **natural movement of the population** is a change in the population as a result of births and deaths.

Has two indicators	
absolute	relative
1. The number of births during the period (P) 2. The number of deaths during the period (Y) 3. Natural increase of the population.	1.Coefficient of natural increase. 2.Coefficient of vitality. 3.The total fertility rate. 4.The total death rate.

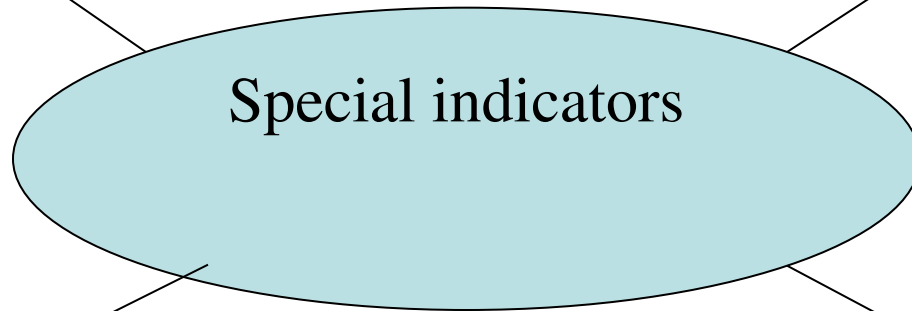
Coefficient of
reproduction efficiency
of the population.

The coefficient of
dilution.

Special indicators

Marriage rate.

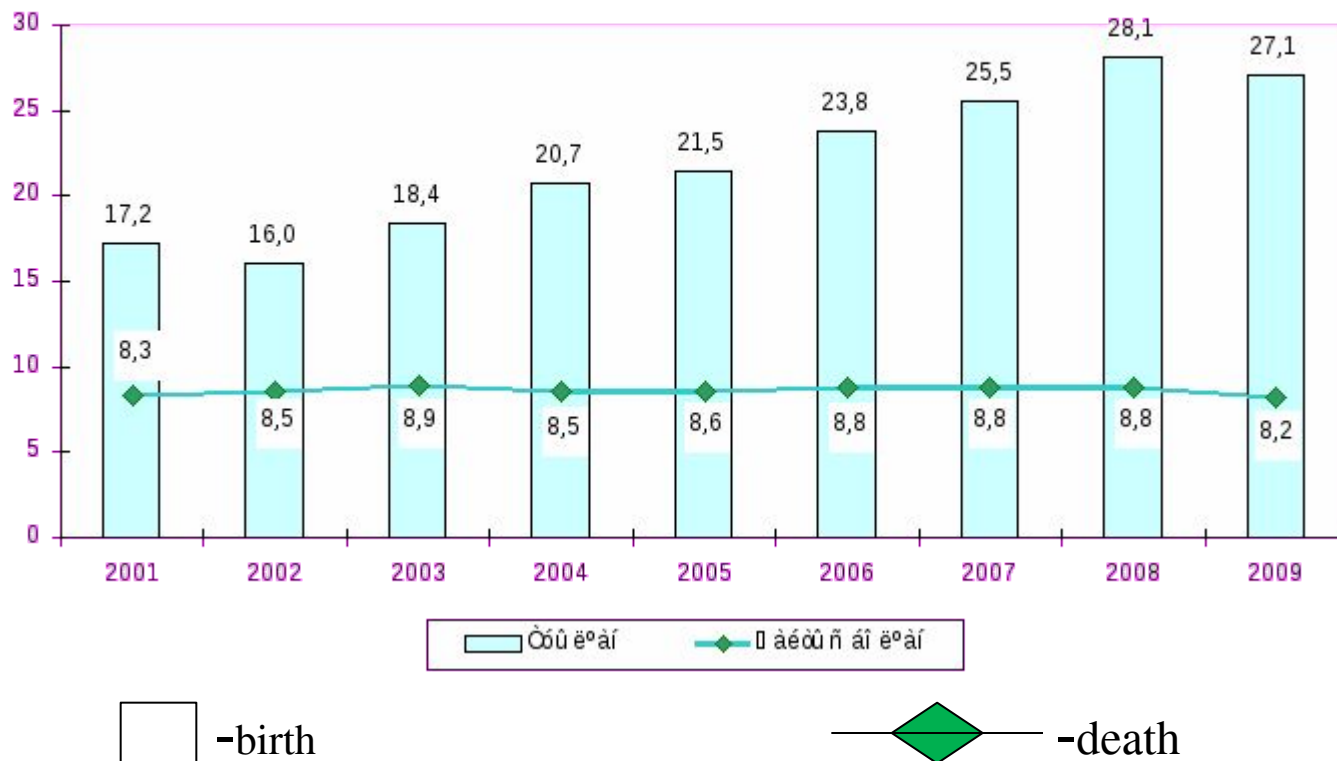
The coefficient of infant
death.



2001-2009 years, natural movement

	births	1000 people	the dead	1000 people	natural growth	1000 people	marriage	1000 people	divorce	1000 people
2001	17196	17	8344	8	8852	9	5862	6	1337	1,4
2002	16040	16	8513	9	7527	8	6055	6	1350	1,4
2003	18376	18	8877	9	9499	10	6914	7	1368	1,4
2004	20681	21	8472	9	12209	12	7526	8	1362	1,4
2005	21522	22	8638	9	12884	13	7896	8	1296	1,3
2006	23850	24	8846	9	15004	15	9431	9	1522	1,5
2007	25505	25	8850	9	16655	16	10043	10	1606	1,6
2008	28075	27	8760	9	19315	19	8852	9	1509	1,5
2009	27080	26	8202	8	18878	18	8826	9	1604	1,5

Graphical presentation of data of birth and death.

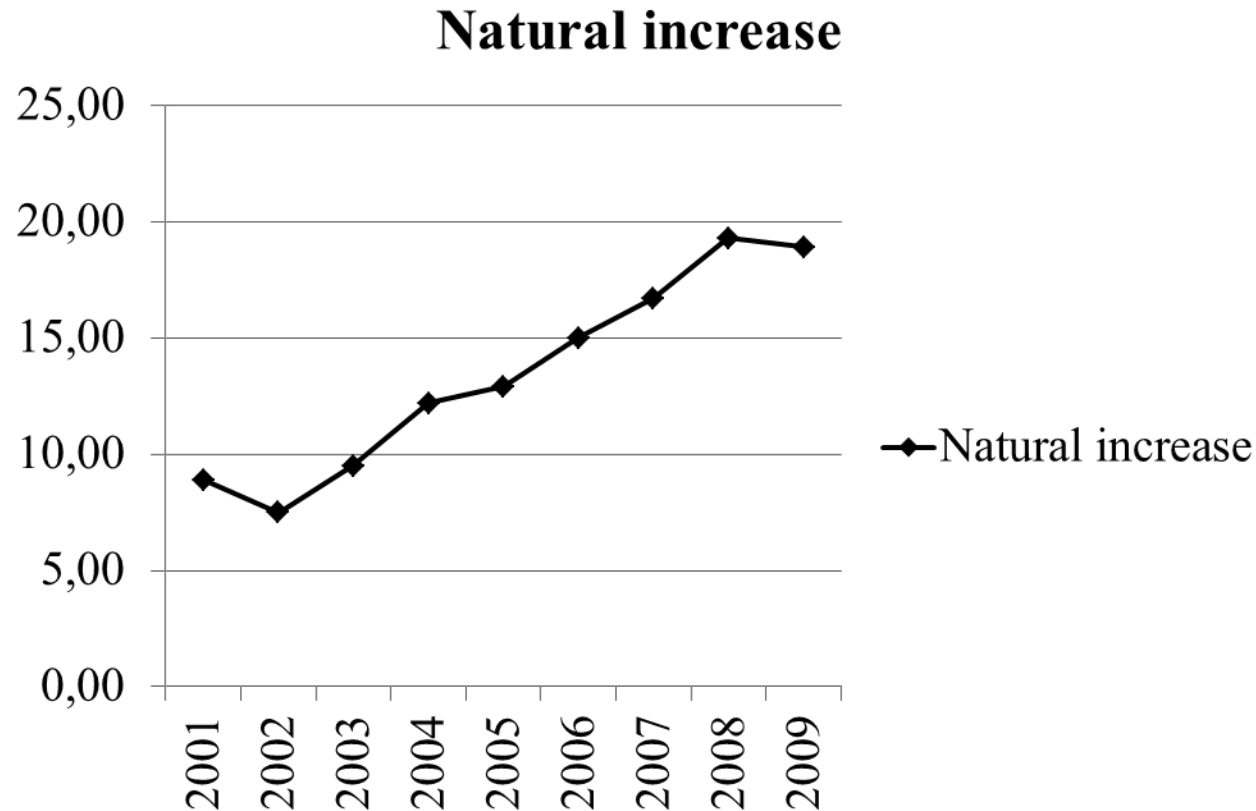


Statistics Agency of the Republic of Kazakhstan:

"Civil Code of the Republic of Kazakhstan (special part)," according to the material that can not be changed.

Conclusion

- Natural increase= The number of births during the period (P)-The number of deaths during the period (Y)



As we can see natural growth is increased. The main reason for it is enlargement of marriage which enhance a rate of births, also development of medicine which helps to save lives of newborns.

Bibliography

- Kazakhstan's department of statistics agency's database during 2001-2009 years.
- <http://www.grandars.ru/student/statistika/estvennoe-dvizhenie-naseleniya.html>