

TRENDS IN POPULATION EVOLUTION IN THE INTERMEDIARY ZONE OF TIMISOARA, ROMANIA

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Abstract: *In Romania, population has known lately a considerable decrease particularly in the rural area. The authors of this paper analysed a locality in the intermediary zone of the rural area focusing on the evolution of population at local level, on the structure of population per sexes, age groups, ethnicity, and religion, as well as on two extremely important factors in population evolution – natural growth and migratory growth.*

INTRODUCTION

The rural area can be divided, depending on specific socio-economic issues, into three zone types:

- Peri-urban rural areas;
- Intermediary / balance rural areas;
- Peripheral / marginal / disadvantaged rural areas [1,7].

In the **intermediary / balance rural area**, there are zones with a certain economic and social stability, i.e. they have large areas where they practice intense, modern, even performant agricultural activities. These zones benefit from a high fertility potential, from diversified activities, and from an important degree of pluri-activity [2,10].

According to *B. Kayser*, the intermediary rural area is the agricultural area / zone of the rural area. The area covers performant agricultural enterprises: this is why the entire ideology of rural area development in the intermediary areas relied on agricultural productivism and on profitability of farms [3,4].

The structure (typology) of the rural area in the peri-urban, intermediary, and peripheral areas cannot be strictly delimited within each category, there are smaller areas belonging to the other categories. Delimitation is usually done gradually, with common elements in confluence areas [5,6].

The Commune of Orțișoara, the object of the current study, is 26 km from Timișoara and 28 km from Arad; ho – it belongs to the intermediary area, an area characterised by agricultural activities [8].

MATERIALS AND METHODS

The information analysed were collected through documenting on literature (books, volumes of scientific papers) in the research field. The research methodology consisted in the statistical analysis of raw data using as a working tool the quantitative analysis programme Microsoft Excel (tables, graphs). The data used in the analysis cover the period 1990-2018.

RESERCH RESULTS

Orțișoara is a locality in the Timis county, part of the Western Romania bit is ranked 2nd [13].

The locality was called *Orczydorff* (Hungarian *Orczyfalva*) until World War II. After the establishment of Romanian administration, it was called *Cocota* (from Serbian

kokot ‘cock’). On April 5, 1928, the commune council demanded that the commune was called *Orczidorf*, but in 1929 it was called *Orțișoara*, a name that it has preserved ever since [13].

Location and Administrative Aspects. The Commune of Orțișoara is located:

- In western Romania, in the Vinga Plain, geographical coordinates 45-48⁰ northern latitude and 21-31⁰ eastern longitude;
- In northern Timis County, 28 km from Arad and 26 km from Timișoara, on DN69 [14] (Figure 1).



Figure 1. Location of the Commune of Orțișoara in the Timiș County, Romania

Source: <https://www.weather-forecast.com/locationmaps/Ortisoara.8.gif>

The commune covers the villages of Orțișoara, Călăcea, Cornești, and Seceani [14]:

- Călăcea – attested in 1356, is 4 km from Orțișoara;
- Cornești – attested in 1230, is 6 km from Orțișoara;
- Seceani – attested in 1337, is 10 km from Orțișoara [14,18].

Orțișoara is connected to a railway and it has its own railway station on the Timișoara-Arad line [14,16,17].

The commune is neighboured south by the Commune of Sânandrei, west by the village of Carani, south by the Commune of Vinga, and east by the villages of Fibiș and Murani [11,12,15].

Analysis of Demographics. Evolution of population. The population of Orțișoara in 2018 was 4,649 inhabitants, slightly higher than in 1992, when it was 4,023 inhabitants (Table 1, Figure 2).

Table 1.

Evolution of population of Orțișoara during 1992-2018

Year	1992	2000	2005	2007	2011	2017	2018
Inhabitants	4023	4044	4075	4154	4422	4623	4649

Source: Our own processing of tempo online, 2018 [9].

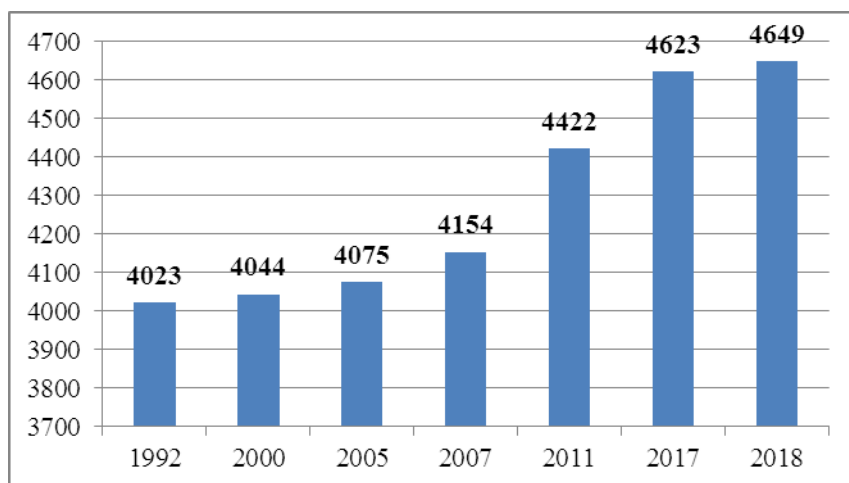


Figure 2. Evolution of population of Orțișoara during 1992-2018 (inhabitants)

Structure of population. Table 2 and Figure 3 below present the evolution of population of Orțișoara per age groups in 2018.

Table 2

Evolution of population of Orțișoara per age groups in 2018

Category	1992	2000	2005	2007	2011	2017	2018
0-19 years	1216	1142	1055	1049	1038	1058	1048
20-39 years	968	1110	1235	1319	1383	1355	1363
40-59 years	997	963	948	986	1144	1260	1272
over 60 years	842	829	837	800	857	950	966
Total	4023	4044	4075	4154	4422	4623	4649

Source: Our own processing of tempo online, 2018

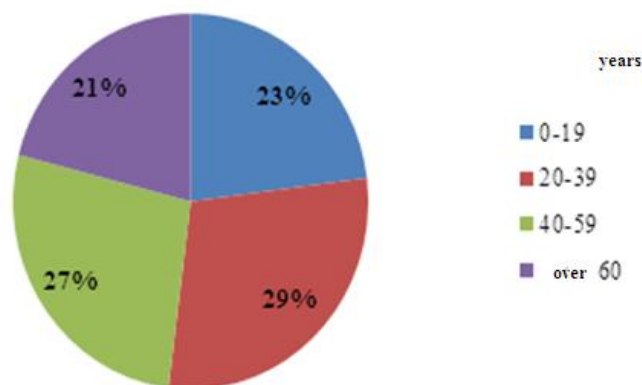


Figure 3. Evolution of population of Orțișoara per age groups in 2018

Table 3 and Figure 4 below present the evolution of population of Orțișoara per sexes in 2018.

Table 3

Evolution of population of Orțișoara per sexes in 2018

Category	1992	2000	2005	2007	2011	2017	2018
Males	1963	1960	1975	2013	2161	2262	2272
Females	2060	2084	2100	2141	2261	2361	2377
Total	4023	4044	4075	4154	4422	4623	4649

Source: Our own processing of tempo online, 2018

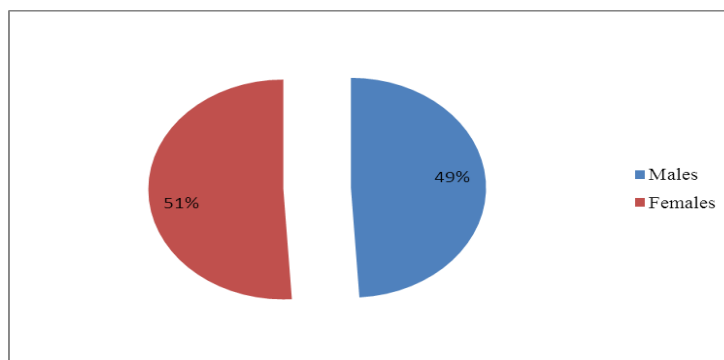


Figure 4. Evolution of population of Orțișoara per sexes in 2018

Table 4 and Figure 5 below present the evolution of population of Orțișoara per religions in 2011.

Table 4.

Structure of population per religions in 2011

Category	Inhabitants
Orthodox	3235
Roman-Catholic	179
Greek-Catholic	60
Pentecostal	391
Baptist	26
Other religions	41
Religion not declared	258
Total	4190

Source: Our own processing of Census in 2011

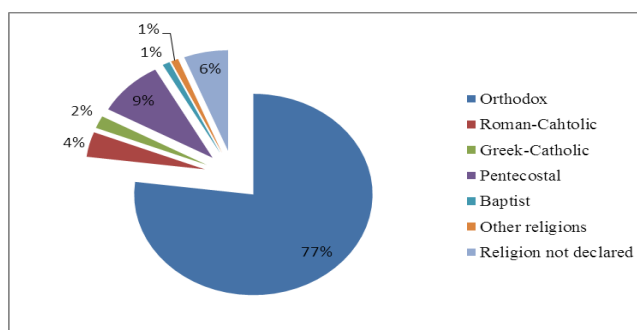


Figure 5. Structure of population per religions in 2011

From the perspective of religion, most inhabitants are Orthodox (77%), but there are also religious minorities of Pentecostals (9%), Roman-Catholics (4%), and Greek-Catholics (2%).

Table 5 and Figure 6 below present the structure of population of Orțișoara per ethnicity in 2011.

Table 5.

Structure of population per ethnicity in 2011

Category	Inhabitants
Romanians	3773
Hungarians	101
Germans	31
Serbians	7
Roma	35
Ethnicity not declared	243
Total	4190

Source: Our own processing of Census in 2011

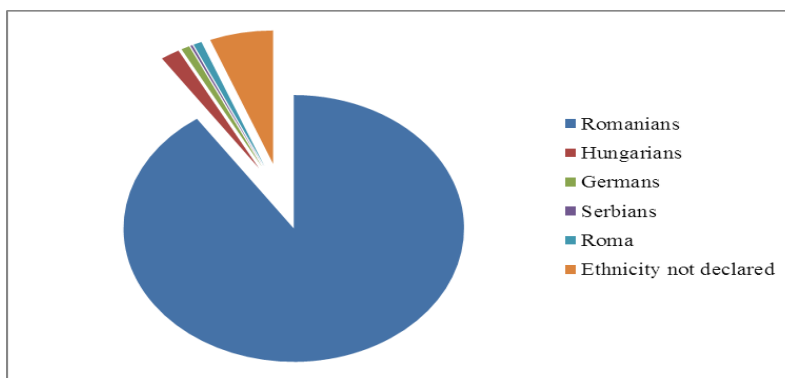


Figure 6. Structure of population per ethnicity in 2011

Most inhabitants are Romanians (90%), followed by Hungarians (2%) and Germans (1%).

Natural Growth of Population. Table 6 and Figure 7 below present the birth rate in Orțișoara during 1992-2016.

Table 6

Birth rate in Orțișoara during 1992-2016

Year	1992	2000	2005	2007	2011	2012	2016
Born alive	36	37	51	46	45	56	56

Source: Our own processing of tempo online, 2018

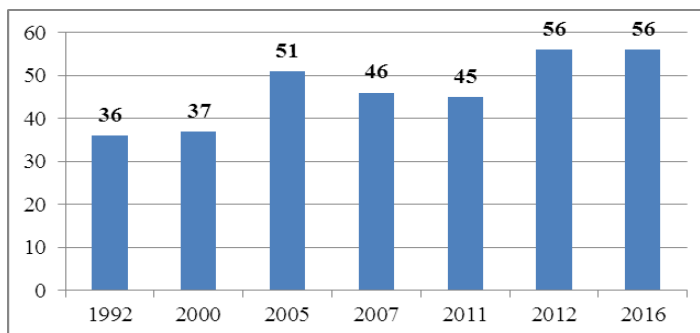


Figure 7. Birth rate in Orțișoara during 1992-2016

Birth rate in Orțișoara in 1992 was 36 born alive, in 2005 there was an increase (51 born alive), and from 2012 to 2016 the trend was increasing (56 born alive/year), which is a good sign for the future of the commune.

Table 7 and Figure 8 below present the death rate in Orțișoara during 1992-2016.

Table 7

Death rate in Orțișoara during 1992-2016

Year	1992	2000	2005	2007	2011	2012	2016
Deceased	70	53	67	46	44	50	53

Source: Our own processing of tempo online, 2018

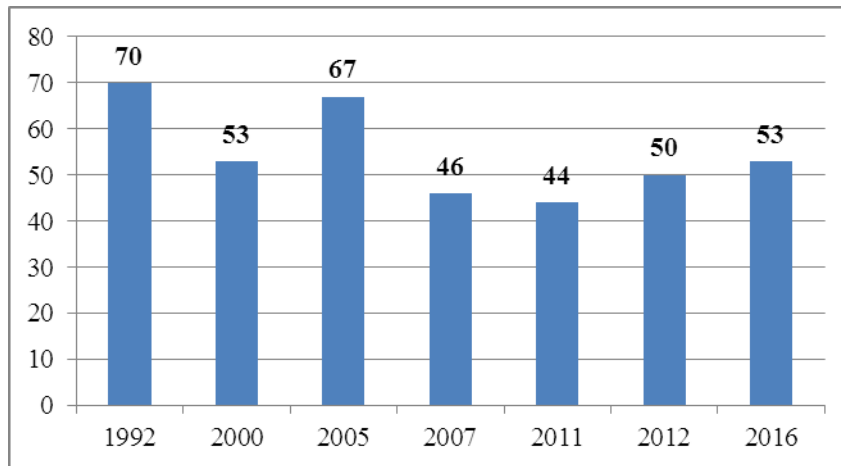


Figure 8. Death rate in Orțișoara during 1992-2016

Death rate in Orțișoara in 1992 was 70 deceased, with a descending trend until 2016 (53 deceased/year).

Table 8 and Figure 9 below present natural growth in Orțișoara during 1992-2016.

Table 8

Natural growth in Orțișoara during 1992-2016

Category	1992	2000	2005	2007	2011	2012	2016
Birth rate	36	37	51	46	45	56	56
Death rate	70	53	67	46	44	50	53
Natural growth	-34	-16	-16	0	1	6	3

Source: Our own processing of tempo online, 2018

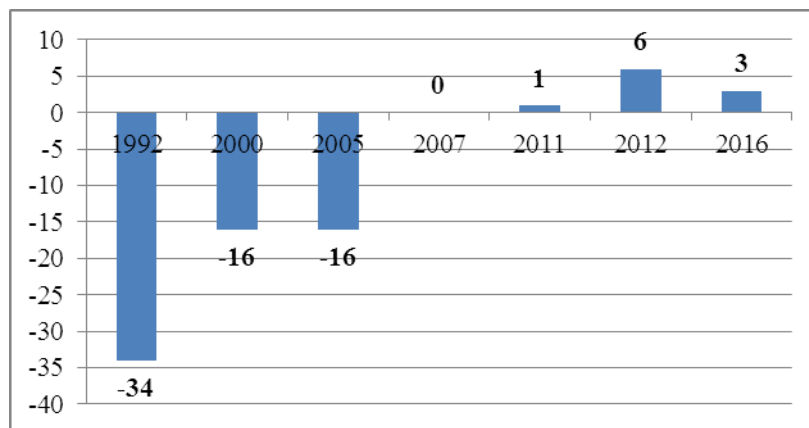


Figure 9. Natural growth in Orțișoara during 1992-2016

Natural growth started being positive in 2011; since then, it has been growing, which points to the regeneration capacity of the locality population.

Migratory Growth

Table 9 and Figure 10 below present immigrants with permanent domicile in Orțișoara during 1994-2016.

Table 9

Immigrants with permanent domicile in Orțișoara during 1994-2016

Year	1994	2000	2004	2007	2011	2012	2016
Immigrants	0	0	0	0	1	0	3

Source: Our own processing of tempo online, 2018

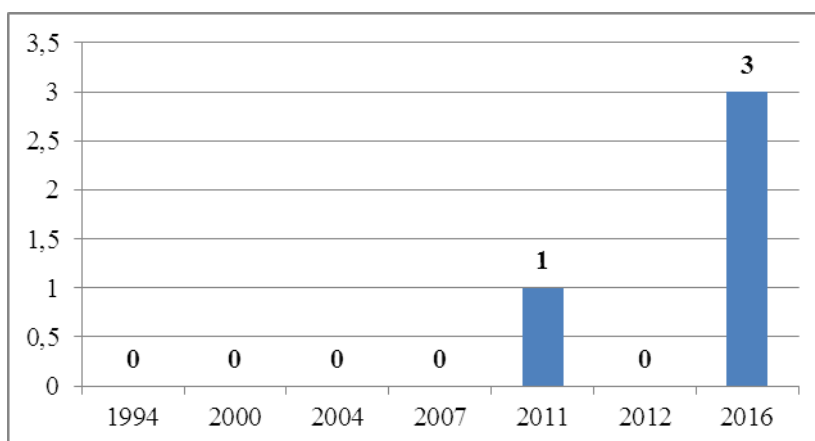


Figure 10. Immigrants with permanent domicile in Orțișoara during 1994-2016

Table 10 and Figure 11 below present emigrants with permanent domicile changed during 1994-2016.

Table 10.

Emigrants with permanent domicile changed during 1994-2016

Year	1994	2000	2004	2007	2011	2012	2016
Emigrants	17	2	1	1	3	10	10

Source: Our own processing of tempo online, 2018

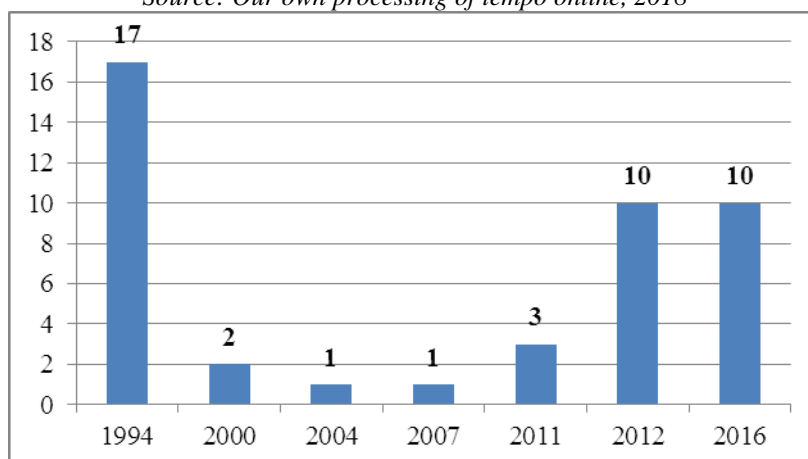


Figure 11. Emigrants with permanent domicile changed during 1994-2016

Table 11 and Figure 12 below present migratory growth in Orțișoara during 1994-2016.

Table 11.

Migratory growth in Orțișoara during 1994-2016

Category	1994	2000	2004	2007	2011	2012	2016
Immigrants	0	0	0	0	1	0	3
Emigrants	17	2	1	1	3	10	10
Migratory growth	-17	-2	-1	-1	-2	-10	-7

Source: Our own processing of tempo online, 2018

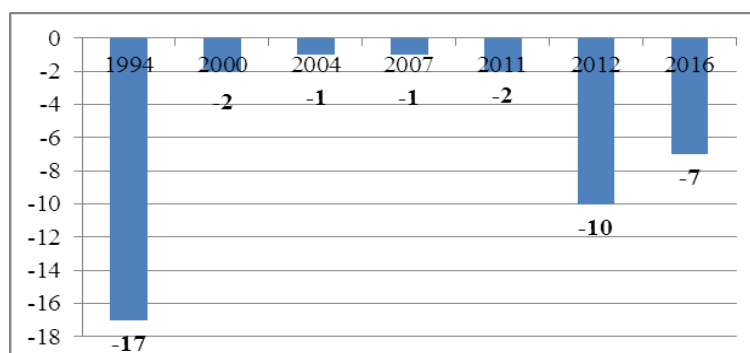


Figure 12. migratory growth in Orțișoara during 1994-2016

Starting with 1994, the Commune of Orțișoara has known population migration. Its population decreases at a rate of 10 people per year.

CONCLUSIONS

The population of the Commune of Orțișoara has increased slightly since 2011: the main reason is the positive natural growth. The migratory growth is still a negative one.

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