

# Bulgaria

---

## **Human Development Index:**

***Municipalities  
in the Context  
of Districts***

2002

---



## **Human Development Index 2002**

### **Team of Authors**

*National Co-ordinator:*

Dotcho Mihailov, Ph.D.

*Co-authors/Assistants:*

Diana Kopeva, Ph.D., Lyubomir Dimitrov

*National Statistical Institute:*

Sergei Tsvetarski (Team Leader), Alexander Tsvetkov, Todor Todorov

### **Acknowledgements**

The team of authors expresses its special gratitude to Ms. Marta Ruedas, *UNDP Resident Representative* and Ms. Minna Tyrkko, *UNDP Deputy Resident Representative* for their advice, contribution and recommendations.

The team also expresses its appreciation for the substantive comments and editorial suggestions to the following UNDP staff members:

Ms. Dafina Gercheva, *Head of Programme*,  
Ms. Emiliana Zhivkova, *Programme Analyst*,  
Ms. Maya Nyagolova, *Public Affairs Officer* and  
Ms. Manoela Grozdanova, *Programme Analyst/UNAIDS*.

The team also wishes to acknowledge the editorial advice provided to the English version of this publication by Mr. Steve Martin, *Communications Associate*.

ISBN 954-9724-53-0

© United Nations Development Programme, Sofia 2002

Cover Design and Print: NIBA Consult

# Contents

|   |           |
|---|-----------|
| <b>Foreword</b> .....   | <b>5</b>  |
| <b>1. Introduction</b> .....  | <b>7</b>  |
| The concept of human development<br>and the human development index (HDI) .....                                     | 7         |
| The municipal human development index (MHDI)<br>in the context of the district human development index (DHDI) ..... | 8         |
| <b>2. Economic Component</b> .....  | <b>10</b> |
| General description .....   | 10        |
| Investments .....   | 11        |
| Unemployment .....  | 11        |
| Concentration of minorities .....   | 12        |
| Migration .....   | 13        |
| The role of municipalities in the economic development of the district .....  | 14        |
| Differentiation .....   | 15        |
| <b>3. Life Expectancy</b> .....   | <b>17</b> |
| General description .....   | 17        |
| Environmental factors and the LEI .....   | 17        |
| Infrastructural factors of the LEI .....  | 18        |
| Ethnic factors .....  | 19        |
| Contribution of municipal levels to the district average life expectancy .....                                      | 20        |
| Differentiation .....   | 21        |
| <b>4. Education</b> .....   | <b>22</b> |
| General description .....   | 22        |
| Ethnic factor .....   | 24        |
| Proximity to the school .....   | 24        |
| Level of economic development .....   | 25        |
| Differentiation .....   | 25        |
| <b>5. Summary: Overall Human Development Index (HDI)</b> .....  | <b>26</b> |
| Description of the overall index .....  | 26        |
| Differentiation .....   | 27        |
| Conclusion .....  | 28        |
| <b>Methodology for Calculating the Human Development Index</b> .....  | <b>31</b> |
| Human development index .....   | 31        |
| Local human development indexes .....   | 32        |
| <b>Annex 1: District human development index</b> .....  | <b>36</b> |
| <b>Annex 2: Municipal human development index</b> .....   | <b>39</b> |

## Foreword

Since 1999, the municipal and district human development indices (MHDI and DHDI) have been contributing to the Bulgarian debate on sustainable local governance. These indices are a local projection of the United Nations Development Programme (UNDP) global human development index, which is a composite index combining health, education and economic indicators.

So far, in Bulgaria the human development indices have been published in the National Human Development Reports (NHDRs). This year, the indices are presented in a separate publication. Compared to the NHDRs, this publication offers less analysis and recommendations and more statistical trends of the evolution of the MHDIs and DHDI in 2002. Nevertheless, we hope that these trends will further contribute to the local governance debate. The present publication offers interpretation of the more important factors affecting the development of the MHDIs and DHDI, while at the same time looking at the role of district governance for the sustainable development of municipalities. The main message of the publication is that human development in Bulgaria is marked by differences between the relatively advanced districts concerning development and those lagging in development. There are important differences in the level of development of neighbouring municipalities within the same administrative district. Overcoming local differences requires effort of different levels of Bulgarian governance – at a national level through nationwide policies for the coordination and integration of sectoral economic development and regional planning, at a local level through a more targeted approach to address specific local issues through health care, educational or economic policies tailored to the respective region. This in itself requires the existence of democratic mechanisms for self-governance and accountability at all levels of governance.

I would like to express my gratitude to the authors and to the National Statistical Institute. I hope this publication will contribute to the ongoing debate on local governance based on participation of people in the decision-making process.



Marta Ruedas  
Resident Representative, UNDP Bulgaria

# 1. Introduction

## *The concept of human development and the human development index (HDI)*

The concept of *sustainable human development* is at the heart of the human development index (HDI). According to this concept, a person needs an equal measure of good income, good health and good education for the achievement of a decent standard of living. However, the equality of these needs presupposes that income in itself is not sufficient for the achievement of sustainable human development, since the level of income is bound to the level of education and makes sense if a person leads a long and healthy life. At the same time “the concept of human development is much broader than the measure”<sup>1</sup> of these three indicators. The concept of sustainable human development is “the expansion of capabilities that widen people’s choices to lead the lives they value”<sup>2</sup>. In this sense, achieving high values of the human development index presupposes participation of people in governance, political freedoms, security and a favourable environment.

At the global level, the HDI is calculated annually, and over the past three years Bulgaria was ranked as follows: 62<sup>nd</sup> in 2002<sup>3</sup> (out of 173 countries), 57<sup>th</sup> in 2001<sup>4</sup> (out of 162 countries) and 60<sup>th</sup> place in 2000<sup>5</sup> (out of 174 countries).

On a local level, the calculation of the HDI in Bulgaria started in 1999. Since then, the National Human Development Reports (NHDRs) have been contributing to the Bulgarian debate on decentralization and on local governance. In 1999 the HDI was calculated for the 28 Bulgarian districts and served as an instrument for analyzing regional development in the country. In 2000 and 2001 the HDI was further disaggregated to the municipal level and municipalities were ranked from the 1<sup>st</sup> to the 262<sup>nd</sup>. These reports contributed to the debate on fiscal decentralization, the differentiation and the uneven development of municipalities and the vulnerability of municipalities with a high proportion of minority population.

This year the focus of the analysis of the municipal human development index (MHDI) is on the **interaction of the MHDI with the district human development index (DHDI)**. Instead of ranking municipalities from 1 to 262 according to their MHDI, municipalities are analysed in the context of the districts, and the role of districts for the homogeneous and sustainable development of municipalities is presented.

This approach removes some methodological and substantive constraints related

---

1 Human Development Report 2002: Deepening democracy in a fragmented world, p. 53

2 Ibid.

3 Human Development Report 2002: Deepening democracy in a fragmented world, p. 150

4 Human Development Report 2001: Making new technologies work for human development, p. 142

5 Human Development Report 2000: Human rights and human development, p. 158

to the individual ranking of municipalities. Experience with the MHDI over the past two years has shown that shifts in the values of the MHDI are not so much due to the efforts of local governments but rather to the actions of the central government and to other external factors (Box 1).

### Box 1

#### ***Methodological Constraints of the Individual Ranking of Municipalities***

*The ranking of municipalities is affected by external factors such as the amount of central government subsidies, the functioning or closure of a large enterprise (e.g. in the mining industry), migration of households with children of school age, etc. For instance, if this year we rank municipalities from 1 to 262, the small municipality of Kainardja in Silistra district ranks eighth by GDP per capita. However, 85.8% of the revenue for 2000 in Kainardja are made up of central government subsidies, which are spread across a small population of 5,561.*

*On the other hand, internal (intra-municipal) factors, though accidental by their nature may also affect municipal ranking. For instance, the birth of a healthy child in a small municipality with an aging population may disproportionately increase the average life expectancy of the municipality. In a similar way, a municipality with 200 children has a greater chance for 100% enrolment than a large municipality with 20,000 children. This year such accidental factors have increased the average life expectancy of Trekliano municipality by a total of eight years compared to 2001.*

The large variety of systemic and accidental factors, the existence of a large number of municipalities with a small population size, as well as the imperfection of the statistical information, may produce a municipal ranking with few messages and many explanations. Hence, **the individual ranking of municipalities in itself carries few meaningful messages.** It may only reconfirm the dependence of the MHDI on external factors.

These substantive and methodological constraints brought about the necessity to search for a broader analytical context for the MHDI. There was a need to identify a format, where **the ranking of municipalities becomes an instrument for analysis and not an end in itself.**

#### ***The municipal human development index (MHDI) in the context of the district human development index (DHDI)***

Until this year the MHDI's were ranked individually from 1<sup>st</sup> to 262<sup>nd</sup>. This year the MHDI is once again calculated for the **262<sup>6</sup> municipalities, yet they are not ranked individually but within the district.** This format of the MHDI provides new analytical perspectives and has fewer methodological imperfections.

**From a methodological point of view, the DHDI's are stable units that permit analysis.** The larger scope of the DHDI offers fewer errors caused by accidental

6 The 263d municipality Kuklen, registered in 2001 does not come under the statistical information used for calculating the MHDI (2000-2001)

and non-systemic factors. In fact, the municipal values of the Life Expectancy Index and of the Combined Educational Index have always been adjusted with the average value for the district<sup>7</sup>. As of 2000, these adjustments aim to smooth municipal distortions of the MHDI caused by unregistered population, migration and students in “other” settlements. The past smoothing of the MHDI with the district average is another methodological confirmation for the necessity of placing the MHDI in the context of districts.

From a substantive point of view the ranking of the municipalities within the district permits analysis of **the different role of the three components of the index. This approach permits a review of the strengths and weaknesses of the municipality and the district** within the economic, educational and health indicators of the index. It becomes clear that some municipalities raise the values of the index of their district because of a high educational indicator in their MHDI, for example, while other municipalities bring down the values of the index of their district due to low economic indicators in their MHDIs. At the district level the three components of the index may also affect the final ranking. For this reason the present publication analyzes some of the factors which may impact the three components of HDI. These include foreign

## Box 2

### *Methodology<sup>8</sup>*

*The municipal human development index is calculated according to an internationally approved methodology, on the basis of official statistical data provided by the National Statistical Institute (NSI). Technically the three dimensions of the index (economy, health and education) are represented with equal weight by:*

- 1) Life expectancy, calculated on the basis of demographic data on live-born and deceased by 5-year age groups according to data from the last population census. This component is corrected with the district average.*
- 2) A combined educational index; an average value of the enrolment coefficient and twice the literacy coefficient. Enrolment represents the share of enrolled children in high school in the total number of school children, and literacy is the share of the literate population among the total population of the municipality, according to the last population census.*
- 3) Real GDP for final consumption per capita; a recalculated GDP of the municipality in \$PPP<sup>9</sup> per capita. In the text, the economic component is briefly referred to as “GDP”.*

*The overall human development index is the average value of the three components. The district human development index is calculated in the same way, but without smoothing. The data for the economic component of the index (GDP) is for 2000, while for the life expectancy index and combined educational index 2001 figures have been used. The indices for the previous years are recalculated according to the data from the last population census (2001)*

*The municipalities and districts are classified as “developed”, “moderately developed” and “highly developed” with the dividing lines at the 33<sup>rd</sup> and 66<sup>th</sup> percentile<sup>10</sup> of the distribution of the Human Development Index and its three components.*

7 See the annex for details

8 See the annex for details

9 \$PPP (Purchasing Power Parity) - Purchasing Power Parity in US dollars. The transfer of income in \$PPP aims to compare incomes from different countries, using an international coefficient.

10 33<sup>rd</sup> and 66<sup>th</sup> percentile divide the distribution of the indexes in three parts, which contain an equal number of municipalities/districts

direct investment and expenditures for long-term tangible assets (for the economic indicator), sea level altitude and infrastructure (for the life expectancy indicator) and the ethnic factor and location (for the educational indicator).

These findings and rankings make sense if they contribute to **the debate on Bulgarian local governance**. The ranking of municipalities within the districts raises issues of integrated regional planning, harmonization of Bulgarian legislation with EU legislation and the uneven development of municipalities. The diversity among municipalities provokes a debate on the need for a district structure capable of integrating and harmonizing the development of municipalities. These issues concern the decentralization of governance. An efficient territorial division may remain only an administrative act if there is no democratically elected and represented local governance. All **these issues provoke a debate on the need to institutionalize a so-called 'second level' of local governance**.

## 2. Economic component

### *General description*

Districts<sup>11</sup> with the highest GDP index are Sofia City (0.760), Vratza (0.715), Burgas (0.713), Stara Zagora (0.695), Varna (0.685) and Gabrovo (0.678). In total 2.814 million people, or 35.5% of the country's population, live in these six districts as of March 2001. Among the leading districts, the highest nominal growth of GDP per capita is registered in the districts of Vratza (from 0.670 to 0.751) and Varna (from 0.653 to 0.685). Here we should note that the data of economic growth in the Vratza region may be misleading. The high average GDP is due to the existence of two large enterprises in the district (the Kozloduy Nuclear Power Station and Chimko Vratsa). In recent years these enterprises have registered a similar gross value added. Due to the outflow of workforce from the district, however, this value added is distributed among a smaller population and the average district value of GDP per capita has increased. There may be similar reasons for the relative advancement in the district human development ranking of some traditionally underdeveloped districts, which ascend to the middle of the GDP ranking: Pernik (from 25<sup>th</sup> to 16<sup>th</sup> place<sup>12</sup>), Kardjali (from 27<sup>th</sup> to 20<sup>th</sup>) and Silistra (from 22<sup>nd</sup> to 17<sup>th</sup>).

The following districts have the lowest GDP index: Yambol (0.624), Targovishte (0.624), Vidin (0.620), Sliven (0.620), Montana (0.614) and Pazardjik (0.609). The districts of Yambol and Sliven have worsened in comparison to the previous year,

---

11 For our purposes, we have considered districts with high GDP to be those with GDP index values over 0.658, districts with medium GDP to be those with index values between 0.658 and 0.626, while districts with GDP index values below 0.626 are considered of low GDP

12 Out of 28 districts



with Yambol slipping from 8<sup>th</sup> to 23<sup>rd</sup> position and Sliven from 10<sup>th</sup> to 26<sup>th</sup> position. On the whole, however, **the distribution of districts in the lower part of the GDP ranking is more even than in the upper part. The bottom fourteen districts are much closer to one another than the first six.** 34.1% of the population lives in these fourteen districts. Some, as for example Pazardjik, Targovishte, Razgrad and Kardjali, traditionally have the lowest income per capita.

## *Investments*

A well-developed economic region should stand out not only due to the high level of generated income, but also the high activity of local and foreign entrepreneurs. The link between the economic component of the HDI and entrepreneurial activity indicators such as costs for acquiring long-term tangible assets and foreign direct investment is analysed below.

### *Costs for acquiring long-term tangible assets (LTA)*

**In 2000, over 50% of all costs for acquiring LTA were in Sofia City**, while the other half was distributed among the remaining 27 districts. Despite this uneven distribution of investment activity, there is a clear link between the higher costs for acquiring LTA per capita and the values of the economic component of the HDI (GDP in \$PPP). For example, districts such as Sofia City, Varna, Gabrovo, Stara Zagora and Burgas have the highest costs for LTA and at the same time rank in the top six by GDP index respectively. The Vratza district, which ranks second by GDP index, is also among the first ten according to costs for LTA per capita. Conversely, the last four districts by costs for LTA per capita - Vidin, Kardjali, Silistra and Montana – rank respectively 25<sup>th</sup>, 20<sup>th</sup>, 17<sup>th</sup> and 27<sup>th</sup> by GDP index.

### *Foreign direct investment (FDI)*

Almost half of the FDI in the country accumulated towards the end of 2001 was in the Stara Zagora district, mainly in the energy and food industries. Other leading districts by FDI are Sofia City, Varna, Dobrich and Veliko Tarnovo. These districts (with the exception of Veliko Tarnovo) are at the top of the GDP index ranking and have the highest costs for LTA per capita. On the whole, however, **the accumulated FDI is not so closely linked to the economic component of the HDI (GDP) as are the costs for LTA.** This means that the effects of FDI (privatization, green investments) on GDP have a relatively long latent period. Despite its clear positive effect, foreign investment does not immediately lead to a sharp increase of the GDP index. This effect is mostly visible for districts at the top of the GDP ranking such as Sofia City and Stara Zagora.

## *Unemployment*

The GDP component is closely correlated to the levels of unemployment. At the end of 2000, unemployment in the districts of Pazardjik, Montana, Sliven, Vidin, Targovishte, Yambol, Smolian, Razgrad, Shumen and Silistra was over 8% higher than

the national average (17.3%). These 10 districts are at the bottom of the GDP ranking.

Conversely, at the top of the GDP ranking are districts with comparatively low levels of unemployment. For example: at the end of 2000, Sofia City and Gabrovo registered only 4.6% and 10.7% unemployment and ranked first and sixth by GDP, respectively. On the whole, six of the top ten districts by GDP index have levels of unemployment below the national average. Other than Sofia City and Gabrovo, these are Kiustendil, Stara Zagora, Sofia District and Burgas.

Municipalities play an interesting role here, because they “lower” the district average unemployment without contributing to a higher GDP. For instance, Petrich municipality has a moderate unemployment (12.7%), but a low GDP (151<sup>st</sup> in the ranking of municipalities by GDP). Such cases may be due to an inefficient or unregistered economy, which creates jobs but does not register value added. Conversely, there are municipalities such as Devnia with a relatively high registered unemployment (25%) and high GDP (9th in the ranking of municipalities by GDP). These cases may be due to the concentration of workforce in a large enterprise, which creates considerable value added with a small workforce from the municipality.

### ***Concentration of minorities***

This year’s HDI confirms conclusions made in prior year NHDR<sup>13</sup> publications, that the levels of GDP depend on the concentration of minority population in the district and in the municipality. As indicated in Tables 1 and 2, districts at the bottom of the GDP ranking have high concentrations of minority population. The link between low GDP ranking and high concentrations of minority population point to **the need for equal access to economic development for ethnic minorities in Bulgaria**. This may include, for instance, regional programmes for business and employment promotion.

***Table 1: Ten municipalities with the highest proportion of Roma population***

| <b><i>Municipalities</i></b> | <b><i>Proportion of Roma population</i></b> | <b><i>GDP Rank<br/>(1–262<br/>municipalities)</i></b> |
|------------------------------|---|---|
| Kotel .....                  | 27.5% .....                                 | 259   |
| Nikolaevo .....              | 25.4% .....                                 | 209   |
| Perushtitsa .....            | 23.4% .....                                 | 242   |
| Varbitsa .....               | 23.2% .....                                 | 233   |
| Rakitovo .....               | 22.5% .....                                 | 218   |
| Maglizh .....                | 21.7% .....                                 | 253   |
| Tvarditsa .....              | 20.9% .....                                 | 230   |
| Valchedrum .....             | 20.2% .....                                 | 205   |
| Ihtiman .....                | 19.8% .....                                 | 194   |
| Dobrich-rural .....          | 19.7% .....                                 | 176   |

13 UNDP National Human Development Report 2000: The Municipal Mosaic

**Table 2: Ten municipalities with the highest share of Turkish population**

| <b>Municipalities</b> | <b>Proportion of Turkish population</b> | <b>GDP Rank<br/>(1–262<br/>municipalities)</b> |
|-----------------------|---|--|
| Chernoochene .....    | 97.3 .....                              | 89   |
| Venets .....          | 91.3 .....                              | 224  |
| Ruen .....            | 85.4 .....                              | 262  |
| Momchilgrad .....     | 81.8 .....                              | 207  |
| Hitrino .....         | 81.5 .....                              | 121  |
| Kaolinovo .....       | 79.5 .....                              | 258  |
| Samuil .....          | 78.2 .....                              | 215  |
| Dzhebel .....         | 77.1 .....                              | 216  |
| Opaka .....           | 70.8 .....                              | 249  |
| Yakoruda .....        | 70.5 .....                              | 256  |

### **Migration**

We might assume that districts with higher GDP index and lower levels of unemployment would attract labour, and that conversely, the inflow of labour to the district or the municipality should increase the productivity of the local economy. In reality, however, these principles are quite ambiguously expressed.

In some districts with high values of the GDP index there is a positive population growth. These are, for instance, the districts Sofia City and Gabrovo, which simultaneously register an inflow of population and a high GDP for 2000. Districts with low development such as Smolian and Sliven maintain high emigration and low GDP. On the other hand, there are districts such as Dobrich and Lovech, which have relatively high GDP values and at the same time register a high outflow of population. The unstable dynamics of migration also contribute to a diverse influence on GDP. As indicated in Table 3, developed districts such as Gabrovo, Stara Zagora and Dobrich have had both positive and negative internal migration over the past three years.

**Table 3: Net migration<sup>14</sup> and GDP**

| <b>District</b>    | <b>1999<br/>Net<br/>migration<br/>(1–28<br/>districts)</b> | <b>1998<br/>GDP<br/>Rank<br/>(1–28<br/>districts)</b> | <b>2000<br/>Net<br/>migration<br/>(1–28<br/>districts)</b> | <b>1999<br/>GDP<br/>Rank<br/>(1–28<br/>districts)</b> | <b>2001<br/>Net<br/>migration<br/>(1–28<br/>districts)</b> | <b>2000<br/>GDP<br/>Rank<br/>(1–28<br/>districts)</b> |
|--------------------|--|---|--|---|--|---|
| Sofia City .....   | 14.1 .....   | 1 .....   | 12.1 .....   | 1 .....   | 11.4 .....   | 1   |
| Plovdiv .....      | 4.0 .....  | 14 .....  | 2.7 .....  | 16 .....  | 2.2 .....  | 13  |
| Gabrovo .....      | 2.9 .....  | 9 .....   | 1.1 .....  | 5 .....   | -4.5 .....   | 6   |
| Stara Zagora ..... | 2.3 .....  | 2 .....   | -0.9 .....   | 2 .....   | 0.1 .....  | 4   |
| Dobrich .....      | 2.2 .....  | 5 .....   | -2.1 .....   | 7 .....   | -7.1 .....   | 8   |
| Lovech .....       | -2.9 .....   | 13 .....  | -2.6 .....   | 13 .....  | -3.9 .....   | 10  |
| Sliven .....       | -4.6 .....   | 10 .....  | -3.5 .....   | 10 .....  | -3.9 .....   | 26  |
| Smolian .....      | -5.5 .....   | 28 .....  | -6.8 .....   | 23 .....  | -7.2 .....   | 22  |
| Montana .....      | -5.6 .....   | 27 .....  | -3.2 .....   | 28 .....  | -0.5 .....   | 27  |

14 The number of settled persons versus the number of emigrating persons per 1000 people

On the whole, calculations do not show a strong correlation between the levels of internal migration and the values of GDP<sup>15</sup>. **The weak correlation between the mobility of the workforce and GDP indicates an inflexible labour market.** The largest cities continue to attract labour. Districts such as Sofia City and Plovdiv continue to overtake the remaining districts in population growth. Conversely, there are districts with low GDP, such as Sliven and Smolian, which register a constant outflow of population. In this sense **migration has more of a differentiating than stimulating effect on the economic development of districts. It further distances districts with low development from districts such as Sofia City and Plovdiv.**

### ***The role of municipalities in the economic development of the district***

The distribution of the municipal GDP values within the district reveals a heterogeneous and fragmented development of districts. This finding is particularly valid for highly developed districts.

#### ***Heterogeneous development of municipalities from leading districts***

This principle is illustrated, for instance, by Vratza and Lovech districts, which are at the top of the GDP rank but contain municipalities with diverse economic development. In Vratza district, for example, one can find underdeveloped municipalities by GDP such as Krivodol, Borovan, Hairedin and Mizia together with Kozloduy, which is one of the leading municipalities in the country by GDP index. In a similar way, Troyan and Apriltsi municipalities (Lovech district) have a high GDP index, relatively low unemployment (12.1%, 13.3%<sup>16</sup>) and a high density of companies. Along with these municipalities, however, in the Lovech district there are the municipalities of Yablanitsa, Lukuvit, Letnitsa and Ugarchin where the GDP values are low, the level of unemployment is 25% - 30%, and the density of companies is far below the average. There is a similar municipal differentiation in Sofia district (9th in the ranking of districts by GDP), where there are only two municipalities with high costs for LTA (Mirkovo and Pirdop), but this is due to the presence of mining industry.

#### ***Heterogeneous development of municipalities from underdeveloped districts***

On the whole, the differentiation among municipalities emerges at the bottom of the ranking. Here **there is less variety among the different municipalities from the same district.** In most districts at the bottom there are only one or two municipalities which rise to the middle of the GDP ranking, while the remaining municipalities occupy stable low places. For instance, in the Pazardjik district, which ranks last in GDP per capita, there are two municipalities with values over the average (Pazardjik and Bratsigovo), while the majority of the municipalities (Septemvri, Peshtera, Rakitovo, Lesichovo) are among the least developed municipalities by GDP in the country (under the 210<sup>th</sup> rank). In a similar way the only municipality in the Sliven district with an average GDP index is Sliven municipality, with the remaining municipalities in the district under the 190<sup>th</sup> rank.

<sup>15</sup> Pierson Coefficient = 0.313 below statistically significant levels

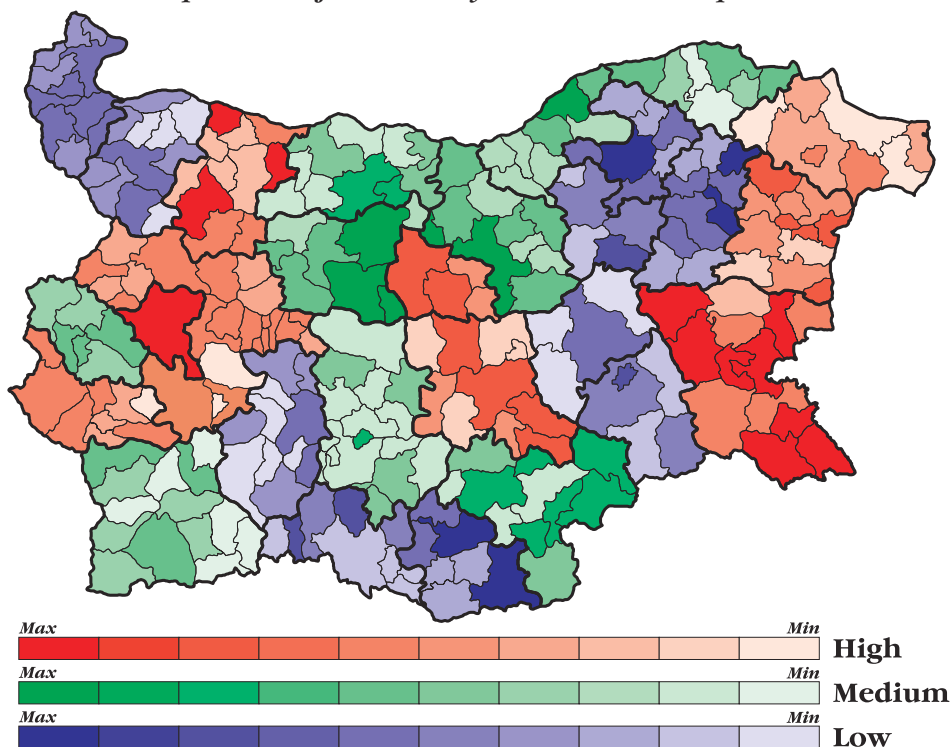
<sup>16</sup> Data on unemployment is at the end of 2000

The leading districts in GDP are heterogeneously developed districts with several leading municipalities, which very often depend exclusively on one production or enterprise. At the same time, the underdeveloped districts are relatively more evenly distributed, containing a large share of municipalities in a wide area of low economic activity.

### *Differentiation*

On the whole, the data from the GDP index shows a preservation of the high internal differentiation on a district level<sup>17</sup>. In this way, the registered economic growth of the country in 2000<sup>18</sup> has contributed to the development of several districts. Leaders by GDP are the districts of Sofia City, Vratza, Burgas, Stara Zagora, Varna and Gabrovo which have broken apart from the remaining districts of the country. **About one third of the population (2,814,178 people) lives in these 6 highly developed<sup>19</sup> districts while another third (2,706,651 people) lives in 14 districts of low development<sup>20</sup>.**

*Map 1: Levels of GDP index by districts and municipalities*



17 In 2000, compared to 1999, there is an insignificant increase of the standard deviation of the distribution of the GDP index district values from 0.034 to 0.036

18 According to official data GDP per capita has increased from 2898 leva for 1999 to 3274 leva for 2000

19 With values over the division line of 0.658 for high GDP index

20 With values about and below the division line of 0.626 for low GDP index

As map 1 shows, there are three territorial areas of comparatively high economic development: the area around Sofia, the Black sea area and part of the Central Stara Planina region. Conversely, there are three economically areas with low economic development, located mainly in the North-West, in the Rhodopi mountains and in the East-Central part of the country.

Among the districts with a high GDP index there are two models of economic development:

1. A highly lucrative district with a diverse economy of several developed sectors, with good investment activity and unemployment lower than the average (Sofia, Burgas, Stara Zagora, Gabrovo)
2. A district with an economy consisting of several very large enterprises, which generate municipal development (Vratza, Kustendil).

The districts from Model 1 are characterised by a diverse and relatively sustainable economic activity. In districts such as Gabrovo, for example, there are enterprises from diverse sectors of the economy (machine building, light industry, agriculture and tourism), distributed in different municipalities such as Gabrovo, Sevlievo and Triavna. But even in that group there is a large differentiation among the municipalities within the district. For example: in the Stara Zagora district there are municipalities which are leading by GDP: Stara Zagora, Radnevo and Gulabovo. At the same time, however, in the same Stara Zagora district there are four municipalities with a low GDP index (Muglish, Nikolaevo, Pavel Bania and Chirpan). As a whole, despite the presence of municipalities with enterprises from different sectors, this development model does not overcome the heterogeneous development of the district.

The districts from Model 2 also contain heterogeneously distributed municipalities, but here the high GDP can be attributed to one or two functioning enterprises. Furthermore, in some cases the high level of income even within the municipality is accompanied by a relatively high level of unemployment (Devnia, Kozloduy). Lastly, the districts from this model are extremely vulnerable to the dynamics of the economic situation because of their one-sided development. In case of unfavourable shifts in demand in certain economic sectors the development of these municipalities (and their districts) would deteriorate considerably. At the same time the economic failure of underdeveloped districts with low GDP index spreads equally over a large number of municipalities.

**The data indicates fragmented economic development, concentrated in single industries and isolated municipalities. The economic component of the HDI raises the issue of the need for national and regional policies which contribute to homogeneous and integrated development at the local level.** The expected national economic growth would be too fragile, if it is

based on several developed and many underdeveloped districts. Furthermore, the prosperity of the developed districts is also unstable if the poverty of the numerous small municipalities lies behind it. Overcoming these disparities may be based on integrated sector policies and targeted programmes for regional economic development. Those efforts, however, would be efficient only if they are a part of the process for decentralized governance. A debate is needed on the empowerment of local governance, on the role of municipalities, districts and regions in the management and distribution of resources for economic development.

### 3. Life expectancy

#### *General description*

The leaders<sup>21</sup> in the Life Expectancy Index (LEI) for 2002 are the districts of Smolian (0.804), Sofia City (0.798), Blagoevgrad (0.797), Gabrovo (0.794), Kardjali (0.791) and Plovdiv (0.786). At the bottom are Targovishte (0.760), Dobrich (0.756), Silistra (0.746) and Sliven (0.744) districts. There are no significant changes in the rankings compared to 2001. The first six districts have almost retained their places, and there are only minor changes at the bottom. The LEI values of the Shumen and Pazardjik districts have only marginally increased, while Montana and Targovishte have taken their place at the bottom. In nominal terms, however, **there are no substantial changes in the LEI compared to last year.**

The factors that influence the LEI by districts, as well as the differentiation by municipalities within the districts are analysed below.

#### *Environmental factors and the LEI*

High life expectancy is observed primarily in mountainous districts. The top eight are Smolian, Sofia City, Blagoevgrad, Gabrovo, Kardjali, Plovdiv, Pernik and Sofia District.

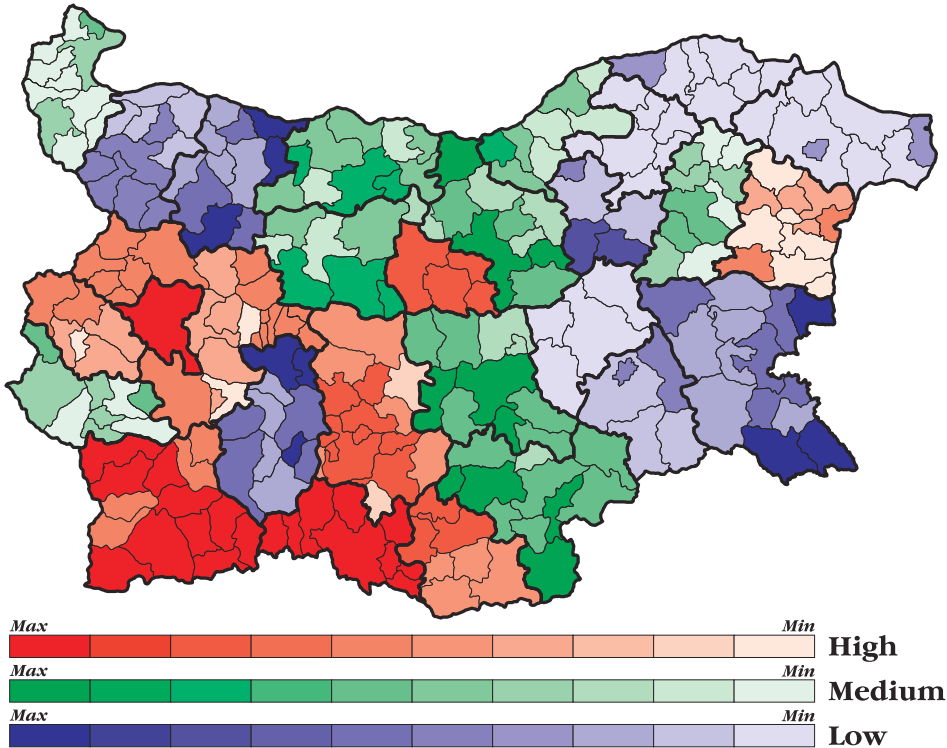
With a few exceptions, these districts cover the mountain chains of Bulgaria, with the Rhodopi mountains having the highest LEI, followed by the Rila-Pirin region and several parts of the Stara Planina. As indicated in Map 2, non-mountainous districts have a substantially lower LEI. With the exception of a few municipalities, the bottom of the LEI ranking is comprised of districts with lowland geography – Sliven, Razgrad, Silistra, Dobrich, Targovishte, Montana and Yambol.

---

<sup>21</sup> The values of the 33rd and the 66th percentile that draw the dividing lines of development according to LEI are respectively: over 0.778 – highly developed districts, between 0.778 and 0.768 – medium developed districts and under 0.768 – districts with low development.



**Map 2: Levels of Life expectancy index by districts and municipalities**



This correlation between geographical characteristics and LEI remains unchanged compared to 2000.

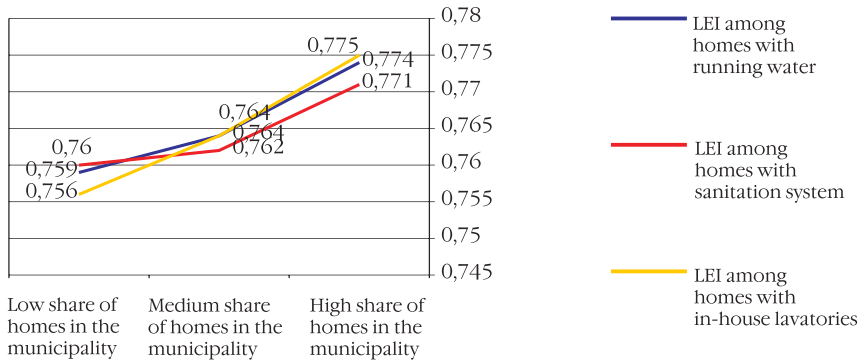
### ***Infrastructural factors of the LEI***

A good infrastructure and a high level of hygiene can contribute to a higher life expectancy. As indicated in Figure 1, the existence of infrastructure such as running water and sanitation systems and in-house lavatories is associated with increases in the LEI values.

Districts with a higher number of homes (both inhabited and uninhabited) with running water top the LEI ranking. For example, Blagoevgrad, Gabrovo and Plovdiv – the districts with the highest life expectancy index – also have above 90% coverage of the running water system. Instead, districts with a high share of homes without running water (Montana with 26.2%, Vratza with 23.4%) rank substantially lower (Montana 23<sup>rd</sup>, Vratza 21<sup>st</sup>).



**Figure 1: Life expectancy index and infrastructure indicators**



*Source: NSI, 2002*

Similarly, the higher the share of homes with in-house lavatories<sup>22</sup> in the district, the higher the ranking by LEI. The highest share of ‘homes with in-house lavatory’ is observed in Sofia City (92.9%), followed by Plovdiv (75.6%), Smolian (72.0%), Varna (67.0%), Burgas (65.9%), Blagoevgrad (65.3%) and Gabrovo (64.0%). Most of these are also in the top ten in the LEI ranking. Of course, there are a few exceptions to the rule. One of them is Kardjali, which ranks fifth by life expectancy, while 64% of the homes in the district do not have in-house lavatories. Another exception is Burgas, which ranks high on infrastructure indicators but has a relatively low LEI (0.767).

A composite indicator for the municipality’s dependence on social infrastructure is the distance of the home from the municipal centre. This indicator shows the relative distance to all key social, medical and administrative services provided in the municipal centre. NSI data shows that around 20% of the Bulgarian population<sup>23</sup> lives in municipalities which require more than 30 minutes of travel to reach the municipal centre. The analysis<sup>24</sup> reveals that this population has a substantially lower LEI, which confirms the hypothesis that **the general infrastructure of the municipality has a substantial influence on the LEI.**

### ***Ethnic factors***<sup>25</sup>

The life expectancy indices by municipalities for 2002 confirm the observed correlation between life expectancy and the concentration of ethnic minority groups. As shown on Figure 2, the LEI decreases substantially in municipalities with high concentration of ethnic minority groups. In general, there is significant and negative correlation<sup>26</sup> between the LEI and the share of ethnic minority groups by municipalities.

<sup>22</sup> Both inhabited and uninhabited general homes

<sup>23</sup> The average share of population living within 30 minutes of the municipal center is 81.1%.

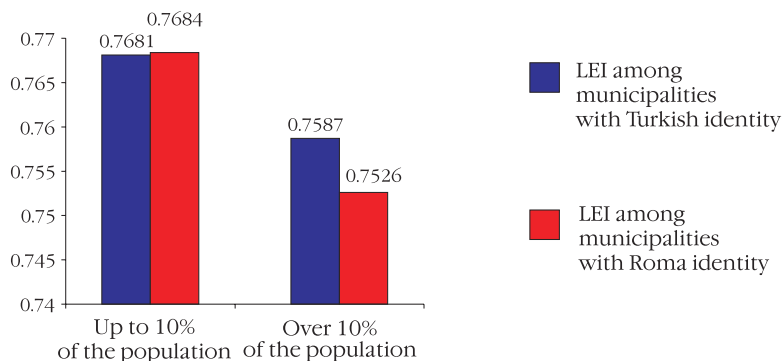
<sup>24</sup> There is statistically significant and positive correlation between LEI and the share of population living within 30 minutes of the municipal center. (significance = 0.01)

<sup>25</sup> Data on ethnical identity are from the 2001 census.

<sup>26</sup> Pearson coefficient of -0.125, confidence level of 0.05 (Turkish ethnical identity and LEI); and -0.417, confidence level 0.01 (Roma ethnical identity and LEI)

The negative correlation is stronger for the Roma population than for ethnic Turks.

**Figure 2: Ethnic identity and life expectancy index**



For example, within the Sliven district (which has one of the lowest LEI) there is the Kotel municipality, where the Roma population reaches the highest proportion in the country (27.5%), and the Tvarditsa municipality which ranks seventh by share of Roma population (20.9%). Similarly, at the bottom of the LEI ranking there are districts with high concentrations of ethnic Turks – such as Razgrad and Silistra. In these districts there are municipalities (Zavet, Dulovo and Venets) with proportions of ethnic Turks of over 68%.

One significant exception is the Kardjali district, which because of its mountainous character has high levels of the LEI despite high levels of concentration of ethnic Turks. For example, the Chernoochene municipality has the highest concentration of ethnic Turkish population in the country (97.3%) and at the same time ranks fourth according to life expectancy (74 years). These data raise the issue of the opposite influence of ethnic and geographical factors on life expectancy. The analysis reveals that the expected increase of life expectancy associated with higher altitudes, is stronger than the expected decrease due to increased concentration of ethnic Turks.<sup>27</sup>

### ***Contribution of municipal levels to the district average life expectancy***

Small municipalities may well have an opposite impact on the district average life expectancy. On the one hand, good environmental living conditions in small and especially mountainous municipalities contribute to the increase of the district average life expectancy. For example, the high LEI for the Smolian district is due to the small municipalities such as Borino (0.833<sup>28</sup>), Dospat (0.816), and Chepelare (0.811), while Smolian municipality itself scores substantially lower (0.794). Similarly, Plovdiv

<sup>27</sup> Pearson coefficient of -0.125, confidence level of 0.05 (Turkish ethnical identity and LEI); and 0.380, confidence level 0.00 (Roma ethnical identity and LEI)

<sup>28</sup> Life expectancy indices by municipality

district ranks high mostly because of municipalities such as Rhodopi and Assenovgrad, while the city of Plovdiv itself ranks 60<sup>th</sup> by life expectancy.

On the other hand, poor infrastructure in small municipalities in many cases lowers the district average. For example the Montana district has low infrastructure indices and low life expectancy. In Montana municipality itself, however, the share of homes with running water is close to the national average (81.1% for Montana, 80.7% average for all municipalities). The share of homes with in-house lavatories (57.4%) is also about average. In general, Montana municipality scores average on LEI as well. In Montana district, however, there are municipalities (such as Brusartsi) that have only a 4.2% share of homes with in-house lavatory, and only about 63.3% have running water. Brusartsi ranks almost the last according to LEI (0.734), while Montana municipality is a little above the national average (96<sup>th</sup> place).

### ***Differentiation***

In general, the district values of the life expectancy component of the human development index (HDI) are relatively uniformly distributed, which suggests **a relatively low level of differentiation compared, for example, to the economic component of the HDI.**

There are practically homogenous districts such as Smolian, where all municipalities have high levels of LEI, and districts like Silistra and Razgrad, where most municipalities have low life expectancy indices. There are, however, districts with some measure of differentiation at the municipal level. Within the Blagoevgrad district, which is at the top of the district ranking by LEI, there are municipalities that rank in the middle (Strumiani and Kresna) and municipalities that rank very high (Hadzhidimovo, which is second in the national ranking). Similarly, in the relatively low-ranking district of Targovishte is the municipality of Omurtag, which ranks substantially above the national average life expectancy (79<sup>th</sup> place). The differences in the municipal life expectancy levels are most pronounced for districts that rank around the national average. For example, Lovech district, which ranks 14<sup>th</sup> out of the 28 districts in the country, consists both of municipalities with very high LEI (Apriltsi, Troyan, Teteven) and ones that score at the very bottom (Ugarchin, Yablanitsa, Letnitsa).

Overall, the differentiation at the municipal level of the LEI is relatively lower compared to the other components of the HDI. Life expectancy is without a doubt a complex measure which combines all the social, economic, natural and infrastructural conditions. Several aspects that have a clear positive influence on health and length of life – such as good infrastructure and clean environment – are subject to good governance. That is why **the differences in life expectancy for people with different ethnic background or for people living in neighbouring municipalities are alarming. Healthcare, environmental and**

**infrastructure policies can help overcome these unacceptable differences. The efforts need to be decentralized, so that infrastructure and health programmes can be tailored to local conditions and development potential. At the same time, decentralization should be done in a way that allows for transparent and effective planning at the district and national levels.**

## 4. Education

### *General description*

For 2002, the leaders<sup>29</sup> in the Combined Education Index (CEI) are Sofia City (0.988), Pernik (0.973), Kiustendil (0.972), Gabrovo (0.972), Veliko Tarnovo (0.965) and Montana (0.963). The districts with the lowest education index are Pazardzhik (0.928), Sofia District (0.925), Silistra (0.911), Kardjali (0.910) and Sliven (0.906). The same districts were at the top and bottom, respectively, of the rankings in 2001. Compared to 2000, the top six districts have retained their ranks, while there are minor changes at the bottom – Sofia District has deteriorated, dropping from 21<sup>st</sup> to 25<sup>th</sup> place.

Overall as with the LEI, there are no substantial changes in the education index (CEI) compared to the previous year. There is, however, **a positive tendency for the increase of the district enrolment rates during the last three years.** The average district enrolment ratio<sup>30</sup> was 0.871 in 1997, increased to 0.878 in 2000 and again to 0.885 in 2001. There is also a positive tendency in the minimum values for the enrolment ratios, which increases from 0.781 in 1999 to 0.801 in 2001. It should be noted that the improvement in enrolment ratios holds true for both leader and laggard districts in the education ranking, leading to a generalised tendency towards improvement of enrolment ratios at the national level. Enrolment<sup>31</sup> increased from 87.7% in 1999 to 88.7% in 2000, and reached 89.1% in 2001. This tendency, however, should be interpreted as **a return to enrolment ratios from before the start of transition.** In 1990 enrolment in primary and secondary education (primary, secondary and high-schools) was 91.9%.<sup>32</sup>

The improvement in enrolment ratios over the last several years, however, does not change the CEI substantially. As the weight of the adult literacy rate in the overall index is twice as high as that of the enrolment ratio, **the CEI remains practically unchanged.**

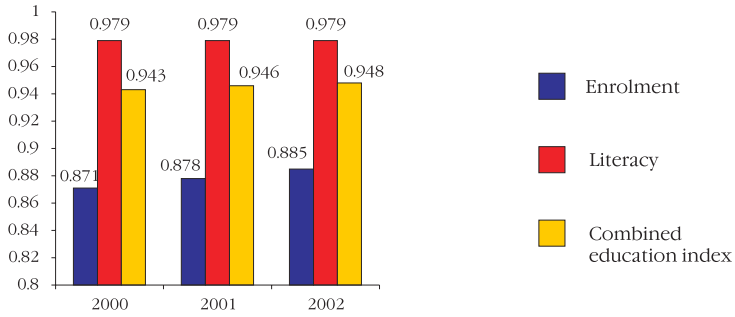
29 The values of the 66th and 33rd percentile, which divide the development degree according to CEI are respectively: over 0.960 – highly developed districts, between 0.960 and 0.939 – average developed districts and under 0.939 – districts with low development.

30 Enrolment rates are estimated on the basis of data for pupils/students aged 7-18 years (inclusive) and enrolled in general, specialized and professional primary and secondary education schools (primary, secondary and high-school education).

31 Proportion of pupils/students aged 7-18 years (inclusive) in the total population aged 7-18.

32 Proportion of pupils/students aged 7-18 years (inclusive) and enrolled in primary and secondary-level schools in the total population aged 7-18.

**Figure 3: Combined education index, component dynamics**



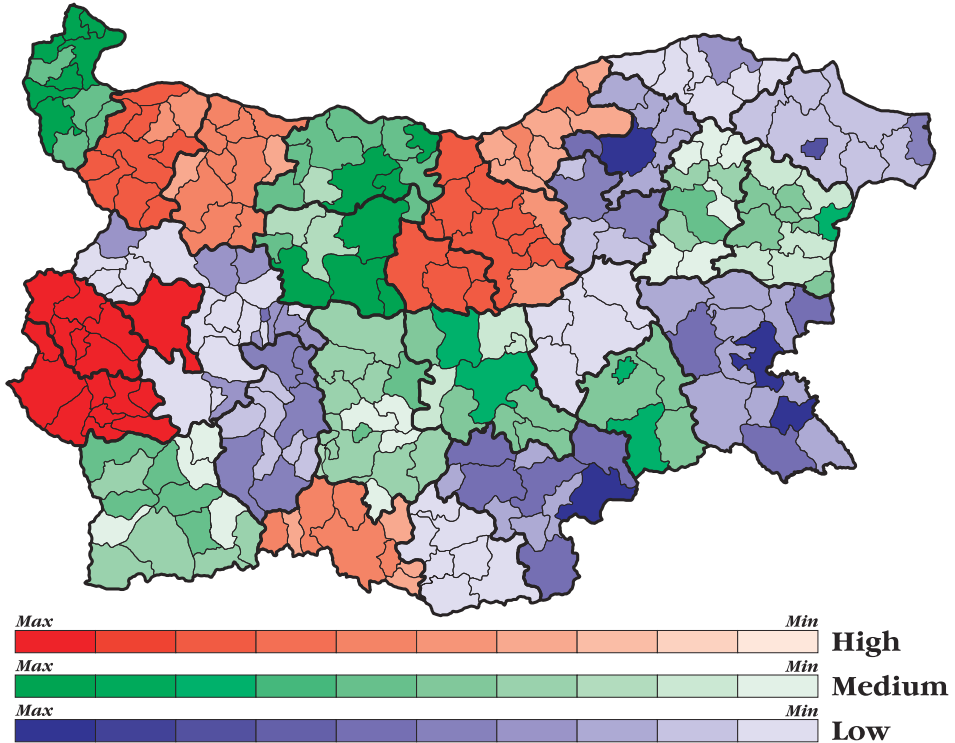
As map 3 shows, the most developed districts are:

- 1) The districts around Sofia, with the exception of Sofia district itself – Sofia City, Pernik and Kyustendil, and
- 2) North-Central Bulgaria – Veliko Tarnovo, Gabrovo and Russe districts.

Similarly, the least-developed districts are concentrated in:

- 1) South-East Bulgaria (Haskovo, Sliven, Burgas and Kardjali), and
- 2) North-East Bulgaria (Silistra, Shumen, Razgrad, Targovishte, Dobrich).

**Map 3: Levels of combined education index by districts and municipalities**



At the municipal level, the driving factors behind literacy rates are the ethnic composition of the population and the existence of education centres with various types of educational institutions (specialized, professional and language secondary schools, university branches and universities).

### ***Ethnic factor***

There is a correlation between low CEI levels and the proportion of ethnic minorities both at the district and municipal levels. Municipalities with a high concentration of Turkish minorities (above 10%) have substantially lower education indices than municipalities with a low concentration of Turkish minorities (below 10%). Thus the high concentration of Turkish minorities in Kardjali, Sliven, and Silistra districts puts them at the bottom of the ranking by CEI.

These districts also have quite low literacy rates, the lowest being Kardjali with 0.939, Sliven with 0.958 and Silistra with 0.958. The municipalities with the lowest literacy rates are characterized by high proportions of ethnic minorities. For example, low literacy rates are observed in municipalities such as Tvarditsa, Kotel and Maglizh (over 20% Roma population) and Chernoochene, Ruen, Dulovo and Stambolovo (over 60% ethnic Turks). The high proportion of ethnic minorities also influences the enrolment ratios.<sup>33</sup> This influence is especially strong in districts with high concentrations of Roma population. Such districts have high levels of both un-enrolled pupils and school drop-outs. For example, data from the Union of Bulgarian Teachers shows that the municipality of Sliven is the national leader in the number of 'big' pupils (older than 7 years of age) enrolled in the first grade for the 2002/2003 school year – 669. There are a total of 5,412 such students in the entire country for the 2002/2003 school year.

### ***Proximity to the school***

Municipalities with the lowest enrolment ratios are disadvantaged by their remoteness – they are situated far from the district centre, where all the attractive schools are located. This problem is characteristic mainly for regions where the average distance between settlements is relatively high, such as Dobrudzha region where certain municipalities (Krushari, Glavnitsa and Dulovo) are more than 30km away from the district centre, and rank very low in both enrolment and literacy. These municipalities also have very high concentrations of ethnic minorities. One should keep in mind, however, that municipalities with over 99% Bulgarian population (Kovachevtsi, Boboshevo, Koprivshitsa, Treklyano, Boynitsa, etc.) are also situated away from district centres but have above-average CEI values.

33 According to the Union of Bulgarian Teachers in Bulgaria there are more than 450 'roma' schools – with over 50% of the students of Roma ethnic background. Most of these are in small villages. Bulgarian parents prefer to enroll their children in other schools even if the proportion of Roma pupils at the school is as low as 30%. The main argument for doing this is that the high proportion of Roma pupils decreases the quality of education.

In general, the longer distance between home and school raises psychological and financial barriers to enrolment. Travel to school implies higher expenses associated with keeping a child in school. The data support this assertion – municipalities with a higher proportion (above 80%) of the population within 30 minutes of the municipal centre score higher on most educational indices than municipalities with lower shares. According to the Union of Bulgarian Teachers, in the 2002/2003 school year there are 1,200 village children that will not attend school because of lack of transportation. These are children from villages with closed or restructured schools, who have to travel to the next closest population centre.

### ***Level of Economic Development***

There is a connection between the levels of value added (VA) in education and the CEI. The top five districts in the CEI ranking (Sofia City, Pernik, Kiustendil, Gabrovo, Veliko Tarnovo) are also districts with high value added in sector education – the South-West and Northern regions. These districts contribute 30.38% of the value added in education for the entire country. Districts such as Pazardjik, Sofia district, Silistra, Kurdzhali and Sliven (all at the bottom of the CEI ranking) contribute only 10.8%.

***Table 4: Value added in education and combined education index (CEI)***

| <b><i>District</i></b>          | <b><i>Value Added in education (thousand leva)</i></b> | <b><i>CEI</i></b> |
|---------------------------------|--|-------------------|
| <b><i>Top 5 by EI rank</i></b>  |  |                   |
| Sofia City .....                | 199022 .....   | 0.988             |
| Pernik .....                    | 11829 .....  | 0.978             |
| Kyustendil .....                | 14813 .....  | 0.972             |
| Gabrovo .....                   | 15307 .....  | 0.972             |
| Veliko Tarnovo .....            | 37665 .....  | 0.965             |
| <b><i>Last 5 by EI rank</i></b> |  |                   |
| Pazardzhik .....                | 25225 .....  | 0.928             |
| Sofia District .....            | 21870 .....  | 0.925             |
| Silistra .....                  | 13482 .....  | 0.911             |
| Kurdjali .....                  | 19329 .....  | 0.910             |
| Sliven .....                    | 19183 .....  | 0.906             |

***Source: NSI, 2001***

### ***Differentiation***

The distribution of districts by CEI is generally uniform. At the intra-district level, however, the situation is quite different. Varna district, for example, which ranks around the middle by CEI, exhibits substantial differentiation at the municipal level. There are municipalities that rank near the top (Varna city, 26<sup>th</sup>), municipalities that rank around the middle (Beloslav, 116<sup>th</sup>), and municipalities that rank at the bottom (Dolni Chiflik, 227<sup>th</sup>, and Dulgopol, 201<sup>st</sup>). There are also relatively homogenous districts –

such as Sliven, Silistra and Kardjali, where all municipalities rank towards the bottom; and Gabrovo, where the municipalities are at the top of the CEI ranking.

It is interesting to show the differences in CEI ranking of districts with and without a university (or university branch) on their territory. One would assume that the existence of a university in the district would stimulate the overall educational environment and thus increase the CEI. Such a link, however, is found only in a few districts – Sofia City, Gabrovo and Veliko Tarnovo. Districts with branches of universities – Sliven, Kardjali, Targovishte and Razgrad – rank low in CEI.

## 5. Summary: Overall Human Development Index (HDI)

### *Description of the overall index*

The overall HDI is the average of the three components analyzed above. Accordingly, the districts that scored high on each of the component rankings will score high on the overall HDI as well. The top<sup>34</sup> six are Sofia City, Gabrovo, Vratza, Stara Zagora, Burgas and Varna. With a few minor differences in rank, the same six districts also topped the overall HDI ranking in 2001<sup>35</sup>. At the bottom are Kardjali, Targovishte, Razgrad, Pazardzhik, Silistra and Sliven. Again with a few minor differences in ranking, the same six were at the bottom of the general HDI ranking in 2001 as well.

Despite their equal weights in the calculation of the HDI, the three components have a different influence on the overall ranking of the districts. The analysis of the correlation between the separate components and the overall HDI reveal a **dominant role of the economic component**. This explains why the district leaders in GDP – Sofia City, Vratza, Burgas, Stara Zagora, Varna and Gabrovo – all are at the top of the overall HDI ranking (albeit in a different order). The overall combined education index (CEI) and the life expectancy index (LEI) have a weaker influence in determining the HDI ranking at the top. Of the top six districts in CEI and LEI, only Sofia City and Gabrovo are among the top six in the overall HDI ranking.

**The two non-economic components, however, have a positive, or rather compensating, influence at the bottom of the HDI ranking.** Districts with relatively poor economic (GDP) ranking such as Vidin (25<sup>th</sup> in GDP) improve their overall HDI rank due to the relatively good education index (10<sup>th</sup> place) and life

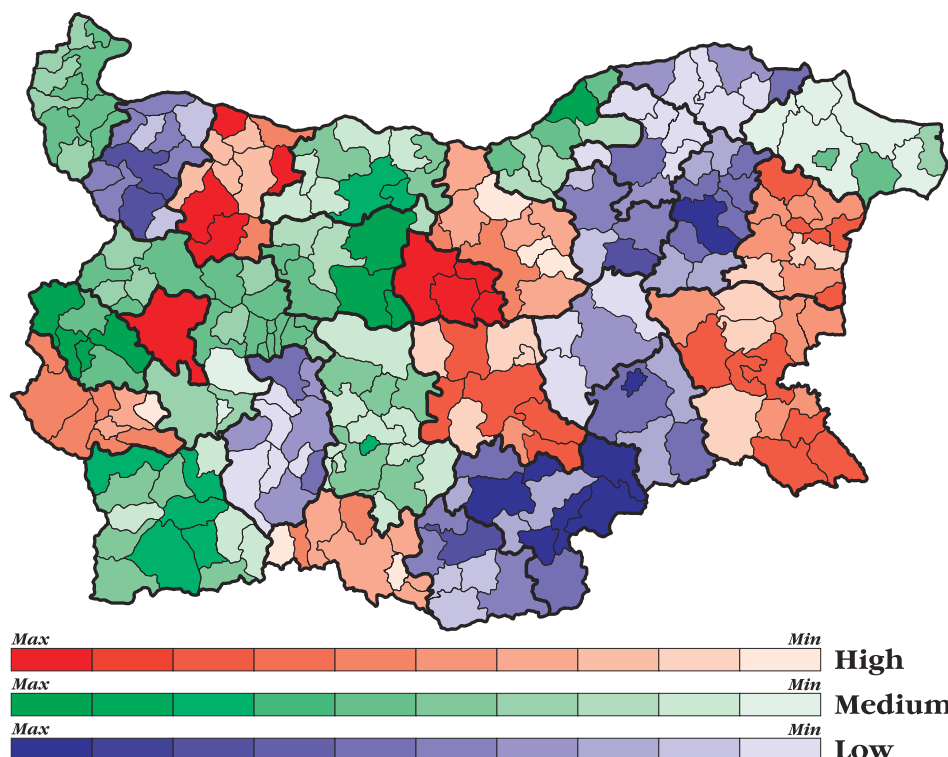
---

34 The value of the 66th and 33rd percentile, which divide the development degree according to HDI are respectively: over 0.796 – districts with high development, between 0.796 and 0.781 – districts with medium development, and under 0.781 – districts with low development.

35 The 2001 HDI has been recalculated with the new demographic data from the 2001 census.



*Map 4: Levels of human development index by districts and municipalities*



expectancy close to the national average (18<sup>th</sup>). Thus Vidin ranks 18<sup>th</sup> in the overall HDI ranking. There are, however, districts where good education levels are not sufficient to improve overall HDI rankings. One of them is Montana, which, regardless of its 6<sup>th</sup> place in terms of the CEI, still ranks 22<sup>nd</sup> in the overall HDI because of extremely low economic and demographic indices (27<sup>th</sup> place for GDP, 23<sup>rd</sup> for LEI).

**In general, the interrelationships among the three components reveal the leading role of the economic conditions in the districts. While good values in the economic component make developed districts even more developed, good placement in the education and life expectancy rankings have a compensating role for the overall ranking of some districts.**

### *Differentiation*

In general, **the 28 administrative districts in Bulgaria are relatively uniformly distributed in terms of overall Human Development Index (HDI) ranking.** This is primarily due to the compensating role of education and life expectancy, which ‘smooth out’ the relatively large differences in the economic development of the districts.

If we take the simple average of the district HDI (0.791) as a dividing line between developed and low development districts, then a total of 3,846,058 people (48% of the population) live in the 13 developed districts, while 4,082,843 people (52% of the population) live in the remaining 15 districts. One-third of the districts are above the national district GDP average (Sofia City, Vratza, Burgas, Stara Zagora, Varna, Gabrovo, Kyustendil, Dobrich, Sofia District and Lovech), while the remaining 18 districts have below-average GDP.

**The highest differences in HDI, however, are at the municipal level.** This is especially true for the developed districts. For example, in the Vratza district (3<sup>rd</sup> in the district HDI ranking), there are two municipalities with very high HDI values (Kozloduy and Vratza) and several with average HDI values and four municipalities with very low HDI levels (Hairedin, Borovan, Krivodol, Byala Slatina). In Stara Zagora, ranked fourth by district HDI, the situation is similar – there are leaders (Radnevo and Stara Zagora), and laggards (Pavel Banya, Nikolaevo and Maglizh). Especially indicative is the Burgas district, where several municipalities involved in the tourism industry or Neftochim rank very high in terms of HDI, while municipalities like Sredets and Ruen are in sharp contrast with the fifth place in the district.

The differentiation at the intra-district (municipal) level is also obvious in mid- and lower-ranking districts. At the bottom of the HDI ranking, however, the intra-district differences are smaller. For example, in the Silistra district there are two middle ranked municipalities (Tutrakan and Silistra) while others (Glavinitsa, Alfatar, Sitovo and Dulovo) rank very low in terms of HDI. Similarly, the Sliven district centre ranks around the middle in terms of HDI, while the other three municipalities (Nova Zagora, Tvarditsa and Kotel) are at the bottom.

## ***Conclusion***

Overall, human development in Bulgaria is marked by differences between the relatively advanced districts and those lagging in development. There are important differences in the level of development of neighbouring municipalities within the same administrative district. Such differences may seem insignificant against the background of the ambitious national objective of attaining European economic, educational and health standards. This objective, however, will not be attained if districts within the country differ substantially in terms of development. Moreover, the philosophy of European integration focuses on the elimination of such differences. In this sense would be desirable that Bulgaria enter the European Union with an equal level of regional development, rather than as a fragmented set of developed and underdeveloped districts.

Overcoming local differences requires the efforts of different levels of Bulgarian

governance. On the one hand, there is a need for nation-wide policies for the coordination and integration of sectoral economic development and regional planning. On the other hand, local differences may be addressed via specific regional and cross-border projects, which are managed and coordinated at the local or provincial level. Such projects may include the development of local infrastructure, as well as addressing specific local issues through health care, educational or economic policies and programmes tailored to the respective region. A more targeted approach to regions with low development would make Bulgaria less fragmented and less differentiated. Third, there are specific problems that are not being addressed at the municipal level because the required legal and financial powers have not been granted to local authorities (e.g. the introduction of municipal fees).

The ongoing debate on fiscal decentralization has not yet addressed the challenge of both protecting the interests of municipalities with low development indices and at the same time encouraging the further development of municipalities with high levels of development.

The introduction of such differentiated functions, however, requires the existence of **democratic mechanisms for self-governance and accountability at all levels of governance**. While currently municipal authorities are democratically elected and representative, regional self-governance requires a completely new set of democratically elected authorities. An administration that is appointed from above cannot cover the demand for integrated and sustainable development at the regional level.

Another issue is to what extent the **existing administrative structure of 28 administrative districts** is suitable for the proper functioning of the so-called second level of local governance. A broad and active public debate on the advantages and disadvantages of reducing the number of administrative districts (for example to 6 or 9) is needed. A key issue for such a debate could be, for example, the advantages of a smaller number of administrative units in the planning and management of regional infrastructure, education and health projects. Another issue is the compatibility between Bulgarian and EU classification systems for local territorial units.<sup>36</sup> Of course, a new level of sub-national governance would make sense only if it were really *local self-governance*. Regions that are too large and lacking identity could potentially rob the reform of its spirit, namely the achievement of a higher degree of decentralization and democracy in local governance. It may well turn out that the old system is replaced with a new one which has fewer administrative regions but is just as centralized as before. At the same time, before embarking on such substantial changes, Bulgaria would need a vision for the future role and functions of the different levels of administrative offices such as the current district offices of the Hygiene-Epidemiologic Institute, the police, the education inspectorates, etc. One should not discount the administrative experience with the

---

<sup>36</sup> The so-called NUTS-II level suggests a minimum of 1,000,000 inhabitants per administrative region.

previous division of the country into nine regions, even though it happened in a different political era.

In the end, the key issue for democratic self-governance would be the self-identification of citizens with the new administrative structure. Such a change would be doomed if the population is sceptical as to whether the new territorial division is necessary or their interests are properly represented. That is the reason why social changes of similar magnitude require an open and extensive public debate.

The present publication raises three issues related to Bulgaria's local governance: 1) the differentiated development of districts; 2) the differentiated development of municipalities within a given district and 3) the need to overcome these differences by targeted regional programmes and policies. However, these efforts require deepening democracy at the local level.

As was mentioned in the beginning of this publication, high levels of human development presuppose democratic governance, based on participation of people in decision-making.

# Methodology for Calculating the Human Development Index

## *Human development index*

The HDI is computed as an average of the indices of the following three variables in compliance with the methodology in the Global Human Development Report of UNDP:

1. Life expectancy.
2. Educational attainment is represented as an average, weighted as follows:
  - 2.1 The adult population literacy index has a weight of “2”.
  - 2.2 The general enrolment index is based on the enrolment ratios in the three levels of education (with a weight of “1”). It refers to the population aged between 7 and 24 and represents *the ratio between those enrolled for regular education in the three levels of education and the total number of individuals within the same age bracket*;
3. Gross Domestic Product (GDP) per capita. For the purpose of international comparisons GDP in current prices is computed in a comparable currency based on the purchasing power parity of the national currency re-calculated in US dollars; the resulting quantitative indicator is referred to *as real GDP in purchasing power parity dollars, or PPP\$*.

The conversion of the values of each one of these variables into *indices* is necessary in order to eliminate the differences in the measurement scales for the indicators of the levels of the three quantitative characteristics of human development. The indices for each variable are computed according to Formula 1:

$$Index = \frac{x_i - \min x}{\max x - \min x}$$

The average of the three indices (the life expectancy index, the educational attainment index and the GDP index) forms the value of the general Human Development Index (HDI) which allows to compare the achievements of a country in the field of human development to those of other countries.

## ***Local human development indexes***

So far, the computation of the district and human development indices used a re-computed population on the basis of the 1992 census without taking into account external migration. With this approach the further the year of computing the indices got from 1992, the larger the error was.

This year, using data from the 2001 census, when computing the indices, the population of districts and municipalities was also re-computed, taking into account external migration, which was not recorded in computations of previous years. For comparability purposes, the denominators of all components for 2001 and 2000 were re-computed on the basis of the 2001 census.

The district indices are computed on the basis of data by initial indicators for each of the three components of the HDI without any smoothing, while the municipal life expectancy and educational indices are smoothed with the district average.

### ***1. Life Expectancy***

The average life expectancy index for 2001 is computed on the basis of the demographic data (live-born and deceased by 5-year age groups from 5 to 85+ years of age and from 1 to 4 years of age) for the period 2000-2001 by districts and by municipalities. For 2000 the computations took into account data for the period 1999-2000. The computation of mortality coefficients by age groups used as a denominator the population size in the middle of the period – population size at 31 December 2000 for index 2001 and population size at 31 December 1999 for index 2000.

The average life expectancy data for municipalities was smoothed with the district average according to the enrollment coefficient formula. The smoothing was performed to avoid deviations in the data that could come as a result of isolated mortality cases especially in lower age groups. These cases would have disproportionately affected in a negative way the mortality coefficient values in a given municipality – a deviation that would not have been a result of deteriorated living conditions. The smaller the municipality, the greater the weight isolated mortality cases have on lower age groups (e.g. in a small municipality a young person who has died as a result of a car accident may affect very negatively the life expectancy coefficient of the municipality, while at the same time infant mortality indicators or vaccination coverage indicators of the municipality would have improved).

## **2. Combined educational index (CEI)**

The Combined Educational Index (CEI) is computed according to the following formula:

$$\text{Educational attainment} = (\text{Net Enrolment Index} + 2 * \text{Adult Literacy Index}) / 3$$

$$\text{CEI} = (\text{Enrolment index} + 2 * \text{Adult Literacy Index}) / 3$$

### **2.1 Literacy coefficient**

Data of the census at 1 March 2001 was used in computing literacy for 2001 and 2000. Literacy represents the relative share of population over 15, which is educated enough to read and write according to a definition, used in the methodology for the census as at 01.03.2001 r. The literacy definition has been harmonized with European requirements. The literacy coefficient is computed according to following formula:

$$(X_i - \min X) / (\max X - \min X) \text{ or } (X_i - 0) / (100 - 0)$$

### **2.2. Net enrolment coefficient (NEC)**

The enrolment coefficient has been computed on the basis of data for students, enrolled in general, specialized and professional schools from first and second degree (primary, secondary and high school) between the ages of 7 and 18, calculated as at 1.10.2001. This data is compared to the total number of the population aged 7-18, calculated at 31.12.2001 according to the formula:

$$\text{NEC} = \text{Students}_{7-18} / \text{Population}_{7-18}$$

The calculations have been made both for municipalities and for districts. Population size calculated at 31 December 2001 was used as a denominator of the NEC. The value of the NEC is affected by the different methodologies applied in calculating the population size and the number of enrolled students. In the first case the census is conducted according to place of residence, and in the second case - according to school location. In some cases this leads to values, which do not match reality. This is most indicative in cases where students from one municipality go to school in a neighbouring municipality and thus raise the NEC values for the municipality where the school is located and lower the NEC values for the municipality where they live.

In order to overcome these problems, which arise from the small clusters, the initial municipal NEC values are smoothed by the square root of the absolute deviation of the NEC values from the district NEC values. In this way the comparability of individual NEC values in municipalities is preserved and a concrete comparative analy-

sis between the separate municipalities is possible. The smoothing is computed in the following way:

$$S_i = \text{SQRT} |X_i - X_{\text{district}}|$$

$$X_i = X_{\text{district}} + S_i \text{ when } X_i - X_{\text{district}} \text{ is more than } 0 \text{ and}$$

$$X_i = X_{\text{district}} - S_i \text{ when } X_i - X_{\text{district}} \text{ is less than } 0$$

The values achieved are with less deviation within the district and the country as a whole.

### ***3. Real gross domestic product for final consumption at the municipal level***

The calculation of the municipal GDP is based on the “top down” method, applied for restructuring the macroindicators from the System of National Accounts (SNA), developed by NSI on a national and municipal level. In the methodology of SNA disposable income is a resultant value, determined by the level of the generated primary income, the operations concerning the primary distribution of income and the operations concerning the redistribution of income.

An attempt has been made to transform the generated primary income in municipalities to an appraisal of disposable income as a resource for consumption and investments. For the purposes of the calculations a correction has been made for inhabited homes for municipalities where the ratio between the number of homes and the population size is under 1.5. The calculations are based on the data from the national non-financial accounts by institutional sectors – households, central and local branches of the state administration, enterprises. On a national level this data is regionalized by using municipal information for taxes levied on income of financial and non-financial enterprises; taxes levied on household income and property; subsidies transferred from the central state administration to municipal administrations. Disbursed social assistance payments and social transfers to households are municipally distributed using data for population in retirement age. Due to lack of information the calculation does not take into account the impact of unemployment at the municipal level.

The corrections made, however, cannot outweigh the effect of applying the value approach for small municipalities with high concentration of production facilities. Due to the impossibility to evaluate the movement of labor resources on a low regional level, the generated primary income in the composition of value added remains with a predominant share in disposable income. For this it is more appropriate to call the economic component of the HDI “real GDP for final consumption”.



The following scheme was applied:

Gross added property +

Net income from property

Households +

Municipalities +

Calculated social security deposits

Municipalities –

Social security funds +

Disbursed social assistance benefits and social transfers

State administration –

Households +

Current taxes on income and property

Central state administration +

Municipalities +

Households –

Enterprises –

Compensations for the households under general insurance +

Insurance premiums, disbursed to the households –

Disbursed subsidies and transfers

Central state administration –

Municipalities +

---

Disposable income = Real GDP for final consumption

## Annex 1: District human development index

### District human development index: 2002

| District       | LEI 2000-2001 | LEI rank 2002-2001 | Enrolment rate index 2001 | Literacy census index | CEI   | CEI rank 2002 | GDP Index 2000 | GDP Rank 2000 | MHDI rank 2002 | DHDI rank 2002 |
|----------------|---------------|--------------------|---------------------------|-----------------------|-------|---------------|----------------|---------------|----------------|----------------|
| Sofia City     | 0.798         | 2                  | 0.971                     | 0.996                 | 0.988 | 1             | 0.760          | 1             | 0.849          | 1              |
| Gabrovo        | 0.794         | 4                  | 0.926                     | 0.995                 | 0.972 | 4             | 0.678          | 6             | 0.815          | 2              |
| Vratza         | 0.765         | 21                 | 0.913                     | 0.987                 | 0.962 | 7             | 0.715          | 2             | 0.814          | 3              |
| Stara Zagora   | 0.778         | 10                 | 0.899                     | 0.979                 | 0.952 | 15            | 0.695          | 4             | 0.808          | 4              |
| Burgas         | 0.767         | 20                 | 0.862                     | 0.976                 | 0.938 | 20            | 0.713          | 3             | 0.806          | 5              |
| Varna          | 0.779         | 9                  | 0.890                     | 0.984                 | 0.953 | 14            | 0.685          | 5             | 0.805          | 6              |
| Kiustendil     | 0.769         | 17                 | 0.942                     | 0.986                 | 0.972 | 3             | 0.666          | 7             | 0.802          | 7              |
| Veliko Tarnovo | 0.777         | 12                 | 0.914                     | 0.991                 | 0.965 | 5             | 0.648          | 12            | 0.797          | 8              |
| Smolyan        | 0.804         | 1                  | 0.928                     | 0.977                 | 0.961 | 8             | 0.625          | 22            | 0.796          | 9              |
| Ruse           | 0.772         | 15                 | 0.901                     | 0.990                 | 0.960 | 9             | 0.655          | 11            | 0.796          | 10             |
| Lovech         | 0.774         | 14                 | 0.893                     | 0.983                 | 0.953 | 12            | 0.656          | 10            | 0.794          | 11             |
| Pernik         | 0.780         | 8                  | 0.932                     | 0.994                 | 0.973 | 2             | 0.630          | 16            | 0.794          | 12             |
| Plovdiv        | 0.786         | 6                  | 0.887                     | 0.980                 | 0.949 | 17            | 0.643          | 13            | 0.793          | 13             |
| Blagoevgrad    | 0.797         | 3                  | 0.888                     | 0.982                 | 0.951 | 16            | 0.628          | 18            | 0.792          | 14             |
| Pleven         | 0.776         | 13                 | 0.896                     | 0.986                 | 0.956 | 11            | 0.643          | 14            | 0.792          | 15             |
| Sofia          | 0.780         | 7                  | 0.802                     | 0.986                 | 0.925 | 25            | 0.664          | 9             | 0.789          | 16             |
| Dobrich        | 0.756         | 25                 | 0.861                     | 0.968                 | 0.932 | 23            | 0.665          | 8             | 0.785          | 17             |
| Vidin          | 0.769         | 18                 | 0.914                     | 0.983                 | 0.960 | 10            | 0.620          | 25            | 0.783          | 18             |
| Haskovo        | 0.777         | 11                 | 0.873                     | 0.972                 | 0.939 | 19            | 0.632          | 15            | 0.782          | 19             |
| Shumen         | 0.770         | 16                 | 0.870                     | 0.980                 | 0.944 | 18            | 0.627          | 19            | 0.780          | 20             |
| Yambol         | 0.763         | 22                 | 0.903                     | 0.978                 | 0.953 | 13            | 0.624          | 23            | 0.780          | 21             |
| Montana        | 0.762         | 23                 | 0.913                     | 0.988                 | 0.963 | 6             | 0.614          | 27            | 0.780          | 22             |
| Kardjali       | 0.791         | 5                  | 0.852                     | 0.939                 | 0.910 | 27            | 0.626          | 20            | 0.776          | 23             |
| Targovishte    | 0.760         | 24                 | 0.843                     | 0.978                 | 0.933 | 22            | 0.624          | 24            | 0.772          | 24             |
| Razgrad        | 0.746         | 27                 | 0.858                     | 0.974                 | 0.936 | 21            | 0.626          | 21            | 0.769          | 25             |
| Pazardjik      | 0.769         | 19                 | 0.836                     | 0.974                 | 0.928 | 24            | 0.609          | 28            | 0.768          | 26             |
| Silistra       | 0.749         | 26                 | 0.817                     | 0.958                 | 0.911 | 26            | 0.629          | 17            | 0.763          | 27             |
| Sliven         | 0.744         | 28                 | 0.801                     | 0.958                 | 0.906 | 28            | 0.620          | 26            | 0.756          | 28             |

#### Abbreviations:

CEI: Combined educational index (by 2001 data)

DHDI: District human development index

FDI: Foreign direct investments

GDP: Gross Domestic Product (Real GDP for final consumption in parity dollars by 2000 data)

HDI: Human development index

LEI: Life expectancy index (by 2000-2001 data)

LTA: Long-term tangible assets

MHDI: Municipal human development index

## District HDI dynamics: 2002 – 2000

| District       | Ranking 2002 |     |     |           | Ranking 2001 |     |     |           | Ranking 2000 |     |     |           |
|----------------|--------------|-----|-----|-----------|--------------|-----|-----|-----------|--------------|-----|-----|-----------|
|                | LEI          | CEI | GDP | HDI       | LEI          | CEI | GDP | HDI       | LEI          | CEI | GDP | HDI       |
| Sofia City     | 2            | 1   | 1   | <b>1</b>  | 3            | 1   | 1   | <b>1</b>  | 2            | 1   | 1   | <b>1</b>  |
| Gabrovo        | 4            | 4   | 6   | <b>2</b>  | 5            | 3   | 5   | <b>2</b>  | 4            | 4   | 9   | <b>3</b>  |
| Vratza         | 21           | 7   | 2   | <b>3</b>  | 18           | 8   | 4   | <b>6</b>  | 21           | 8   | 4   | <b>4</b>  |
| Stara Zagora   | 10           | 15  | 4   | <b>4</b>  | 14           | 14  | 2   | <b>3</b>  | 10           | 16  | 2   | <b>2</b>  |
| Burgas         | 20           | 20  | 3   | <b>5</b>  | 17           | 19  | 3   | <b>4</b>  | 20           | 19  | 3   | <b>5</b>  |
| Varna          | 9            | 14  | 5   | <b>6</b>  | 11           | 13  | 9   | <b>7</b>  | 9            | 13  | 6   | <b>6</b>  |
| Kiustendil     | 17           | 3   | 7   | <b>7</b>  | 16           | 4   | 6   | <b>5</b>  | 17           | 3   | 8   | <b>7</b>  |
| Veliko Tarnovo | 12           | 5   | 12  | <b>8</b>  | 13           | 5   | 14  | <b>11</b> | 12           | 5   | 15  | <b>10</b> |
| Smolyan        | 1            | 8   | 22  | <b>9</b>  | 1            | 9   | 23  | <b>9</b>  | 1            | 10  | 28  | <b>14</b> |
| Ruse           | 15           | 9   | 11  | <b>10</b> | 15           | 7   | 11  | <b>8</b>  | 15           | 7   | 11  | <b>8</b>  |
| Lovech         | 14           | 12  | 10  | <b>11</b> | 8            | 12  | 13  | <b>12</b> | 14           | 12  | 13  | <b>15</b> |
| Pernik         | 8            | 2   | 16  | <b>12</b> | 10           | 2   | 25  | <b>15</b> | 8            | 2   | 19  | <b>12</b> |
| Plovdiv        | 6            | 17  | 13  | <b>13</b> | 6            | 16  | 16  | <b>14</b> | 6            | 15  | 14  | <b>11</b> |
| Blagoevgrad    | 3            | 16  | 18  | <b>14</b> | 2            | 15  | 17  | <b>10</b> | 3            | 14  | 16  | <b>9</b>  |
| Pleven         | 13           | 11  | 14  | <b>15</b> | 9            | 11  | 18  | <b>17</b> | 13           | 11  | 23  | <b>18</b> |
| Sofia          | 7            | 25  | 9   | <b>16</b> | 7            | 21  | 12  | <b>16</b> | 7            | 21  | 12  | <b>16</b> |
| Dobrich        | 25           | 23  | 8   | <b>17</b> | 24           | 24  | 7   | <b>18</b> | 25           | 25  | 5   | <b>17</b> |
| Vidin          | 18           | 10  | 25  | <b>18</b> | 19           | 10  | 26  | <b>19</b> | 18           | 9   | 26  | <b>19</b> |
| Haskovo        | 11           | 19  | 15  | <b>19</b> | 12           | 22  | 19  | <b>21</b> | 11           | 22  | 22  | <b>21</b> |
| Shumen         | 16           | 18  | 19  | <b>20</b> | 25           | 18  | 15  | <b>20</b> | 16           | 20  | 21  | <b>22</b> |
| Yambol         | 22           | 13  | 23  | <b>21</b> | 22           | 17  | 8   | <b>13</b> | 22           | 17  | 7   | <b>13</b> |
| Montana        | 23           | 6   | 27  | <b>22</b> | 21           | 6   | 28  | <b>22</b> | 23           | 6   | 27  | <b>20</b> |
| Kardjali       | 5            | 27  | 20  | <b>23</b> | 4            | 28  | 27  | <b>27</b> | 5            | 28  | 24  | <b>26</b> |
| Targovishte    | 24           | 22  | 24  | <b>24</b> | 20           | 25  | 20  | <b>23</b> | 24           | 24  | 20  | <b>25</b> |
| Razgrad        | 27           | 21  | 21  | <b>25</b> | 28           | 20  | 21  | <b>26</b> | 27           | 18  | 18  | <b>24</b> |
| Pazardjik      | 19           | 24  | 28  | <b>26</b> | 23           | 23  | 24  | <b>24</b> | 19           | 23  | 25  | <b>23</b> |
| Silistra       | 26           | 26  | 17  | <b>27</b> | 26           | 26  | 22  | <b>28</b> | 26           | 26  | 17  | <b>28</b> |
| Sliven         | 28           | 28  | 26  | <b>28</b> | 27           | 27  | 10  | <b>25</b> | 28           | 27  | 10  | <b>27</b> |

## Descriptive variables for the district HDI: 2002

| District       | HDI | Without running water* 2001 | Without sanitation* system 2001 | Without in-house lavatories* 2001 | Turks 2001 % | Roma 2001 % | Net migration 2001 per 1000 people | LTA per capita costs BGL | Firm density per 1000 people | FDI per capita USD | Unemployment 2000 (%) |
|----------------|-----|-----------------------------|---------------------------------|-----------------------------------|--------------|-------------|------------------------------------|--------------------------|------------------------------|--------------------|-----------------------|
| Sofia City     | 1   | 2.0                         | 3.2                             | 7.1                               | 0.5          | 1.5         | 11.4                               | 134.0                    | 35.5                         | 754.4              | 25.9                  |
| Gabrovo        | 2   | 8.8                         | 15.4                            | 36.0                              | 6.3          | 1.1         | -4.5                               | 635.2                    | 37.6                         | 821.6              | 26.4                  |
| Vratza         | 3   | 23.4                        | 27.4                            | 63.2                              | 0.8          | 6.2         | -4.2                               | 466.3                    | 18.4                         | ..                 | 27.0                  |
| Stara Zagora   | 4   | 11.8                        | 17.8                            | 38.8                              | 5.0          | 7.3         | 0.1                                | 613.9                    | 29.2                         | 89.8               | 15.3                  |
| Burgas         | 5   | 10.7                        | 16.0                            | 34.1                              | 13.9         | 4.6         | 0.6                                | 596.8                    | 37.5                         | 103.1              | 15.5                  |
| Varna          | 6   | 9.5                         | 12.7                            | 33.0                              | 8.1          | 3.4         | -0.1                               | 650.0                    | 36.6                         | 369.0              | 17.4                  |
| Kiustendil     | 7   | 15.3                        | 29.0                            | 48.6                              | 0.1          | 5.1         | -1.5                               | 277.5                    | 29.6                         | 26.4               | 15.8                  |
| Veliko Tarnovo | 8   | 12.0                        | 17.0                            | 49.9                              | 7.7          | 2.1         | -1.0                               | 260.4                    | 29.1                         | 63.6               | 17.0                  |
| Smolyan        | 9   | 7.0                         | 10.3                            | 28.0                              | 4.4          | 0.5         | -7.2                               | 318.2                    | 34.2                         | 6.9                | 22.0                  |
| Ruse           | 10  | 7.2                         | 8.3                             | 42.4                              | 14.0         | 3.7         | -1.1                               | 346.7                    | 33.0                         | 136.8              | 30.1                  |
| Lovech         | 11  | 16.4                        | 22.1                            | 60.9                              | 5.0          | 3.7         | -3.9                               | 245.4                    | 30.8                         | 237.1              | 16.8                  |
| Pernik         | 12  | 21.3                        | 30.5                            | 52.9                              | 0.1          | 2.0         | -0.4                               | 177.9                    | 25.4                         | 59.7               | 24.9                  |
| Plovdiv        | 13  | 5.8                         | 9.7                             | 24.4                              | 7.4          | 4.2         | 2.2                                | 483.7                    | 28.7                         | 58.4               | 21.1                  |
| Blagoevgrad    | 14  | 11.0                        | 20.0                            | 34.7                              | 9.4          | 3.6         | -3.6                               | 173.5                    | 26.1                         | 69.7               | 17.9                  |
| Pleven         | 15  | 10.5                        | 12.1                            | 54.1                              | 5.4          | 3.1         | -5.2                               | 219.2                    | 29.8                         | 99.0               | 14.2                  |
| Sofia          | 16  | 23.3                        | 31.6                            | 56.2                              | 0.2          | 6.1         | 0.0                                | 10714.0                  | 23.8                         | 829.2              | 4.5                   |
| Dobrich        | 17  | 15.0                        | 17.7                            | 46.3                              | 13.2         | 8.7         | -7.1                               | 434.9                    | 24.0                         | 66.8               | 11.9                  |
| Vidin          | 18  | 29.8                        | 35.4                            | 60.5                              | 0.1          | 7.6         | -8.4                               | 90.5                     | 24.0                         | 56.2               | 22.2                  |
| Haskovo        | 19  | 14.1                        | 22.2                            | 44.6                              | 11.3         | 6.2         | -2.7                               | 200.3                    | 30.9                         | 37.3               | 34.9                  |
| Shumen         | 20  | 16.1                        | 19.8                            | 54.5                              | 29.2         | 8.1         | -1.5                               | 259.4                    | 26.5                         | 87.8               | 16.2                  |
| Yambol         | 21  | 15.9                        | 24.6                            | 46.7                              | 2.7          | 6.3         | -6.0                               | 215.2                    | 26.7                         | ..                 | 26.1                  |
| Montana        | 22  | 26.2                        | 30.5                            | 66.3                              | 0.1          | 12.6        | -0.5                               | 171.3                    | 21.7                         | ..                 | 19.5                  |
| Kardjali       | 23  | 35.7                        | 42.9                            | 64.0                              | 61.9         | 0.8         | -2.0                               | 126.1                    | 23.5                         | 16.7               | 22.6                  |
| Targovishte    | 24  | 19.6                        | 27.6                            | 55.5                              | 36.1         | 7.2         | -2.2                               | 182.6                    | 23.7                         | ..                 | 16.8                  |
| Razgrad        | 25  | 16.5                        | 18.5                            | 69.0                              | 47.4         | 5.7         | -2.4                               | 200.1                    | 23.8                         | ..                 | 15.0                  |
| Pazardjik      | 26  | 9.7                         | 14.0                            | 36.6                              | 6.6          | 7.7         | -3.9                               | 277.4                    | 24.6                         | 28.3               | 27.2                  |
| Silistra       | 27  | 12.2                        | 16.2                            | 59.5                              | 34.5         | 4.6         | -3.0                               | 165.7                    | 25.2                         | 44.2               | 21.1                  |
| Sliven         | 28  | 14.4                        | 17.9                            | 50.7                              | 10.6         | 12.3        | -3.9                               | 340.0                    | 24.7                         | ..                 | 23.2                  |

\* Share of homes without the respective infrastructure in the total number of homes

## Annex 2: Municipal human development index

### Ranking of municipalities in the context of districts, 2002

| District / Municipality      | Life expectancy index | Life expectancy rank | Enrolment index | Enrolment rank | Literacy index | Literacy rank | CEI index | CEI rank | GDP index | GDP rank | GDP index | HDI rank in the district | HDI rank of the district | HDI level |
|------------------------------|-----------------------|----------------------|-----------------|----------------|----------------|---------------|-----------|----------|-----------|----------|-----------|--------------------------|--------------------------|-----------|
| <b>Sofia City District</b>   |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Sofia City Municipality      | 0.787                 | 37                   | 0.971           | 2              | 0.996          | 5             | 0.988     | 1        | 0.725     | 33       | 0.833     |                          | 1                        | High      |
| <b>Gabrovo District</b>      |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Gabrovo                      | 0.795                 | 24                   | 0.931           | 17             | 0.998          | 2             | 0.975     | 11       | 0.687     | 56       | 0.819     | 1                        | 2                        | High      |
| Sevlievo                     | 0.777                 | 77                   | 0.917           | 29             | 0.989          | 60            | 0.965     | 27       | 0.709     | 43       | 0.817     | 2                        | 2                        | High      |
| Dryanovo                     | 0.783                 | 52                   | 0.965           | 4              | 0.990          | 48            | 0.982     | 2        | 0.630     | 119      | 0.798     | 3                        | 2                        | High      |
| Tryavna                      | 0.792                 | 29                   | 0.891           | 66             | 0.997          | 3             | 0.962     | 35       | 0.632     | 116      | 0.795     | 4                        | 2                        | High      |
| <b>Vratza District</b>       |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Kozloduy                     | 0.746                 | 200                  | 0.928           | 20             | 0.979          | 130           | 0.962     | 34       | 0.870     | 3        | 0.859     | 1                        | 3                        | High      |
| Vratza                       | 0.761                 | 144                  | 0.941           | 12             | 0.994          | 16            | 0.976     | 10       | 0.773     | 14       | 0.837     | 2                        | 3                        | High      |
| Kneja                        | 0.779                 | 69                   | 0.887           | 75             | 0.978          | 138           | 0.948     | 89       | 0.690     | 53       | 0.806     | 3                        | 3                        | High      |
| Mezdra                       | 0.777                 | 75                   | 0.885           | 80             | 0.991          | 42            | 0.956     | 48       | 0.632     | 117      | 0.788     | 4                        | 3                        | High      |
| Oryahovo                     | 0.778                 | 74                   | 0.889           | 73             | 0.983          | 107           | 0.952     | 70       | 0.630     | 120      | 0.787     | 5                        | 3                        | Medium    |
| Roman                        | 0.768                 | 116                  | 0.884           | 83             | 0.983          | 104           | 0.950     | 78       | 0.611     | 142      | 0.777     | 6                        | 3                        | Medium    |
| Mizia                        | 0.756                 | 163                  | 0.899           | 51             | 0.980          | 125           | 0.953     | 64       | 0.573     | 192      | 0.761     | 7                        | 3                        | Medium    |
| Hayredin                     | 0.744                 | 214                  | 0.887           | 76             | 0.987          | 77            | 0.953     | 62       | 0.577     | 189      | 0.758     | 8                        | 3                        | Low       |
| Borovan                      | 0.754                 | 177                  | 0.917           | 31             | 0.978          | 142           | 0.957     | 47       | 0.553     | 220      | 0.755     | 9                        | 3                        | Low       |
| Krivodol                     | 0.739                 | 236                  | 0.868           | 112            | 0.981          | 119           | 0.943     | 112      | 0.574     | 191      | 0.752     | 10                       | 3                        | Low       |
| Byala Slatina                | 0.743                 | 217                  | 0.893           | 63             | 0.985          | 90            | 0.955     | 53       | 0.547     | 226      | 0.748     | 11                       | 3                        | Low       |
| <b>Stara Zagora District</b> |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Radnevo                      | 0.760                 | 148                  | 0.867           | 115            | 0.979          | 133           | 0.942     | 123      | 0.893     | 1        | 0.865     | 1                        | 4                        | High      |
| Galabovo                     | 0.758                 | 158                  | 0.871           | 105            | 0.979          | 128           | 0.943     | 114      | 0.816     | 5        | 0.839     | 2                        | 4                        | High      |
| Gurkovo                      | 0.741                 | 230                  | 0.859           | 141            | 0.970          | 181           | 0.933     | 159      | 0.812     | 6        | 0.829     | 3                        | 4                        | High      |
| Stara Zagora                 | 0.781                 | 55                   | 0.924           | 25             | 0.984          | 98            | 0.964     | 30       | 0.674     | 69       | 0.807     | 4                        | 4                        | High      |
| Kazanlak                     | 0.768                 | 119                  | 0.912           | 36             | 0.985          | 92            | 0.961     | 39       | 0.663     | 81       | 0.797     | 5                        | 4                        | High      |
| Bratya Daskalovi             | 0.796                 | 22                   | 0.855           | 151            | 0.965          | 203           | 0.928     | 175      | 0.648     | 101      | 0.791     | 6                        | 4                        | High      |
| Opan                         | 0.786                 | 43                   | 0.839           | 186            | 0.985          | 89            | 0.936     | 144      | 0.627     | 123      | 0.783     | 7                        | 4                        | Medium    |
| Chirpan                      | 0.774                 | 90                   | 0.871           | 103            | 0.974          | 161           | 0.940     | 130      | 0.569     | 202      | 0.761     | 8                        | 4                        | Medium    |
| Pavel Banya                  | 0.755                 | 165                  | 0.871           | 104            | 0.958          | 218           | 0.929     | 172      | 0.560     | 213      | 0.748     | 9                        | 4                        | Low       |
| Nikolaevo                    | 0.749                 | 194                  | 0.853           | 156            | 0.946          | 238           | 0.915     | 221      | 0.562     | 209      | 0.742     | 10                       | 4                        | Low       |
| Maglij                       | 0.753                 | 180                  | 0.862           | 133            | 0.928          | 253           | 0.906     | 237      | 0.510     | 253      | 0.723     | 11                       | 4                        | Low       |
| <b>Burgas District</b>       |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Tzarevo                      | 0.791                 | 32                   | 0.825           | 218            | 0.979          | 134           | 0.928     | 180      | 0.797     | 7        | 0.838     | 1                        | 5                        | High      |
| Burgas                       | 0.770                 | 108                  | 0.898           | 54             | 0.992          | 36            | 0.961     | 38       | 0.748     | 19       | 0.826     | 2                        | 5                        | High      |
| Kameno                       | 0.741                 | 227                  | 0.817           | 227            | 0.944          | 241           | 0.901     | 246      | 0.779     | 10       | 0.807     | 3                        | 5                        | High      |
| Karnobat                     | 0.742                 | 224                  | 0.874           | 101            | 0.977          | 148           | 0.943     | 120      | 0.714     | 40       | 0.800     | 4                        | 5                        | High      |
| Malko Tarnovo                | 0.781                 | 57                   | 0.877           | 97             | 0.969          | 189           | 0.938     | 132      | 0.676     | 66       | 0.798     | 5                        | 5                        | High      |
| Primorsko                    | 0.741                 | 231                  | 0.882           | 84             | 0.982          | 114           | 0.949     | 86       | 0.685     | 58       | 0.792     | 6                        | 5                        | High      |
| Pomorie                      | 0.758                 | 156                  | 0.817           | 226            | 0.974          | 162           | 0.921     | 198      | 0.680     | 65       | 0.786     | 7                        | 5                        | Medium    |
| Sungurlare                   | 0.770                 | 106                  | 0.814           | 230            | 0.951          | 234           | 0.905     | 239      | 0.674     | 71       | 0.783     | 8                        | 5                        | Medium    |
| Nesebar                      | 0.781                 | 58                   | 0.834           | 198            | 0.985          | 93            | 0.935     | 152      | 0.633     | 114      | 0.783     | 9                        | 5                        | Medium    |
| Sozopol                      | 0.762                 | 140                  | 0.812           | 232            | 0.974          | 160           | 0.920     | 207      | 0.610     | 143      | 0.764     | 10                       | 5                        | Medium    |
| Aitos                        | 0.746                 | 202                  | 0.831           | 205            | 0.958          | 220           | 0.915     | 219      | 0.622     | 130      | 0.761     | 11                       | 5                        | Medium    |
| Sredetz                      | 0.737                 | 242                  | 0.821           | 224            | 0.957          | 221           | 0.912     | 229      | 0.623     | 129      | 0.758     | 12                       | 5                        | Low       |
| Ruen                         | 0.747                 | 199                  | 0.821           | 223            | 0.915          | 257           | 0.884     | 256      | 0.452     | 262      | 0.694     | 13                       | 5                        | Low       |
| <b>Varna District</b>        |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Beloslav                     | 0.758                 | 159                  | 0.851           | 163            | 0.989          | 64            | 0.943     | 116      | 0.777     | 12       | 0.826     | 1                        | 6                        | High      |
| Devnya                       | 0.752                 | 182                  | 0.853           | 158            | 0.979          | 132           | 0.937     | 140      | 0.785     | 9        | 0.825     | 2                        | 6                        | High      |

| District / Municipality        | Life expectancy index | Life expectancy rank | Enrolment index | Enrolment rank | Literacy index | Literacy rank | CEI index | CEI rank   | GDP index | GDP rank   | GDP index | HDI rank in the district | HDI rank of the district | HDI level |
|--------------------------------|-----------------------|----------------------|-----------------|----------------|----------------|---------------|-----------|------------|-----------|------------|-----------|--------------------------|--------------------------|-----------|
| Varna                          | 0.781                 | <b>56</b>            | 0.916           | 33             | 0.992          | 40            | 0.966     | <b>26</b>  | 0.684     | <b>61</b>  | 0.811     | <b>3</b>                 | <b>6</b>                 | High      |
| Biala                          | 0.745                 | <b>205</b>           | 0.866           | 120            | 0.967          | 194           | 0.933     | <b>160</b> | 0.732     | <b>24</b>  | 0.803     | <b>4</b>                 | <b>6</b>                 | High      |
| Valchi dol                     | 0.754                 | <b>176</b>           | 0.856           | 148            | 0.962          | 211           | 0.927     | <b>182</b> | 0.703     | <b>46</b>  | 0.795     | <b>5</b>                 | <b>6</b>                 | High      |
| Dolni Chiflik                  | 0.749                 | <b>195</b>           | 0.843           | 179            | 0.949          | 235           | 0.914     | <b>227</b> | 0.639     | <b>108</b> | 0.767     | <b>6</b>                 | <b>6</b>                 | Medium    |
| Aksakovo                       | 0.764                 | <b>130</b>           | 0.840           | 182            | 0.973          | 169           | 0.928     | <b>174</b> | 0.605     | <b>152</b> | 0.766     | <b>7</b>                 | <b>6</b>                 | Medium    |
| Suvorovo                       | 0.763                 | <b>135</b>           | 0.864           | 128            | 0.966          | 200           | 0.932     | <b>163</b> | 0.603     | <b>155</b> | 0.766     | <b>8</b>                 | <b>6</b>                 | Medium    |
| Vetrino                        | 0.758                 | <b>160</b>           | 0.857           | 145            | 0.978          | 143           | 0.937     | <b>138</b> | 0.592     | <b>171</b> | 0.762     | <b>9</b>                 | <b>6</b>                 | Medium    |
| Provadia                       | 0.754                 | <b>174</b>           | 0.868           | 111            | 0.972          | 175           | 0.937     | <b>141</b> | 0.596     | <b>167</b> | 0.762     | <b>10</b>                | <b>6</b>                 | Medium    |
| Dalgopol                       | 0.780                 | <b>62</b>            | 0.855           | 152            | 0.954          | 228           | 0.921     | <b>201</b> | 0.578     | <b>187</b> | 0.760     | <b>11</b>                | <b>6</b>                 | Low       |
| Avren                          | 0.750                 | <b>191</b>           | 0.844           | 177            | 0.967          | 195           | 0.926     | <b>185</b> | 0.579     | <b>186</b> | 0.752     | <b>12</b>                | <b>6</b>                 | Low       |
| <b>Kiustendil District</b>     |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Bobovdol                       | 0.761                 | <b>147</b>           | 0.905           | 45             | 0.987          | 75            | 0.960     | <b>42</b>  | 0.860     | <b>4</b>   | 0.860     | <b>1</b>                 | <b>7</b>                 | High      |
| Trekliano                      | 0.801                 | <b>11</b>            | 0.910           | 39             | 0.991          | 44            | 0.964     | <b>32</b>  | 0.731     | <b>26</b>  | 0.832     | <b>2</b>                 | <b>7</b>                 | High      |
| Nevestino                      | 0.738                 | <b>241</b>           | 0.905           | 44             | 0.973          | 165           | 0.951     | <b>77</b>  | 0.777     | <b>11</b>  | 0.822     | <b>3</b>                 | <b>7</b>                 | High      |
| Rila                           | 0.731                 | <b>254</b>           | 0.890           | 69             | 0.981          | 120           | 0.951     | <b>75</b>  | 0.765     | <b>16</b>  | 0.816     | <b>4</b>                 | <b>7</b>                 | High      |
| Kiustendil                     | 0.771                 | <b>103</b>           | 0.968           | 3              | 0.985          | 94            | 0.979     | <b>3</b>   | 0.668     | <b>77</b>  | 0.806     | <b>5</b>                 | <b>7</b>                 | High      |
| Kocherinovo                    | 0.773                 | <b>95</b>            | 0.914           | 34             | 0.985          | 87            | 0.962     | <b>37</b>  | 0.656     | <b>91</b>  | 0.797     | <b>6</b>                 | <b>7</b>                 | High      |
| Boboshevo                      | 0.760                 | <b>150</b>           | 0.901           | 49             | 0.982          | 116           | 0.955     | <b>52</b>  | 0.626     | <b>125</b> | 0.780     | <b>7</b>                 | <b>7</b>                 | Medium    |
| Dupnitsa                       | 0.751                 | <b>185</b>           | 0.953           | 8              | 0.990          | 50            | 0.978     | <b>7</b>   | 0.597     | <b>164</b> | 0.775     | <b>8</b>                 | <b>7</b>                 | Medium    |
| Sapareva Banya                 | 0.776                 | <b>82</b>            | 0.899           | 53             | 0.988          | 68            | 0.958     | <b>45</b>  | 0.538     | <b>237</b> | 0.758     | <b>9</b>                 | <b>7</b>                 | Low       |
| <b>Veliko Tarnovo District</b> |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Veliko Tarnovo                 | 0.781                 | <b>59</b>            | 0.945           | 10             | 0.995          | 13            | 0.978     | <b>6</b>   | 0.742     | <b>22</b>  | 0.834     | <b>1</b>                 | <b>8</b>                 | High      |
| Suhindol                       | 0.744                 | <b>211</b>           | 0.885           | 79             | 0.988          | 66            | 0.954     | <b>60</b>  | 0.748     | <b>18</b>  | 0.815     | <b>2</b>                 | <b>8</b>                 | High      |
| Svishtov                       | 0.787                 | <b>39</b>            | 0.890           | 70             | 0.992          | 37            | 0.958     | <b>46</b>  | 0.613     | <b>140</b> | 0.786     | <b>3</b>                 | <b>8</b>                 | Medium    |
| Gorna Oriahovitsa              | 0.769                 | <b>110</b>           | 0.945           | 11             | 0.993          | 28            | 0.977     | <b>9</b>   | 0.601     | <b>159</b> | 0.782     | <b>4</b>                 | <b>8</b>                 | Medium    |
| Pavlikeni                      | 0.772                 | <b>101</b>           | 0.891           | 67             | 0.986          | 84            | 0.954     | <b>59</b>  | 0.597     | <b>165</b> | 0.774     | <b>5</b>                 | <b>8</b>                 | Medium    |
| Elena                          | 0.760                 | <b>152</b>           | 0.876           | 98             | 0.979          | 131           | 0.945     | <b>107</b> | 0.589     | <b>174</b> | 0.764     | <b>6</b>                 | <b>8</b>                 | Medium    |
| Strajitsa                      | 0.750                 | <b>189</b>           | 0.882           | 87             | 0.978          | 137           | 0.946     | <b>100</b> | 0.592     | <b>173</b> | 0.763     | <b>7</b>                 | <b>8</b>                 | Medium    |
| Polski Trambesh                | 0.754                 | <b>178</b>           | 0.881           | 88             | 0.990          | 51            | 0.954     | <b>61</b>  | 0.571     | <b>197</b> | 0.759     | <b>8</b>                 | <b>8</b>                 | Low       |
| Zlataritsa                     | 0.777                 | <b>78</b>            | 0.894           | 61             | 0.978          | 146           | 0.950     | <b>80</b>  | 0.549     | <b>223</b> | 0.758     | <b>9</b>                 | <b>8</b>                 | Low       |
| Lyaskovetz                     | 0.754                 | <b>173</b>           | 0.864           | 129            | 0.995          | 11            | 0.951     | <b>73</b>  | 0.547     | <b>227</b> | 0.751     | <b>10</b>                | <b>8</b>                 | Low       |
| <b>Smolian District</b>        |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Smolian                        | 0.794                 | <b>26</b>            | 0.957           | 7              | 0.984          | 99            | 0.975     | <b>13</b>  | 0.697     | <b>49</b>  | 0.822     | <b>1</b>                 | <b>9</b>                 | High      |
| Borino                         | 0.833                 | <b>1</b>             | 0.902           | 48             | 0.968          | 192           | 0.946     | <b>98</b>  | 0.683     | <b>63</b>  | 0.821     | <b>2</b>                 | <b>9</b>                 | High      |
| Chepelare                      | 0.811                 | <b>5</b>             | 0.957           | 6              | 0.990          | 52            | 0.979     | <b>4</b>   | 0.659     | <b>86</b>  | 0.817     | <b>3</b>                 | <b>9</b>                 | High      |
| Devin                          | 0.778                 | <b>71</b>            | 0.906           | 41             | 0.971          | 177           | 0.949     | <b>83</b>  | 0.616     | <b>135</b> | 0.781     | <b>4</b>                 | <b>9</b>                 | Medium    |
| Banite                         | 0.780                 | <b>61</b>            | 0.903           | 47             | 0.951          | 231           | 0.935     | <b>149</b> | 0.621     | <b>131</b> | 0.779     | <b>5</b>                 | <b>9</b>                 | Medium    |
| Rudozem                        | 0.795                 | <b>23</b>            | 0.899           | 50             | 0.979          | 127           | 0.953     | <b>65</b>  | 0.580     | <b>184</b> | 0.776     | <b>6</b>                 | <b>9</b>                 | Medium    |
| Zlatograd                      | 0.795                 | <b>25</b>            | 0.905           | 43             | 0.969          | 190           | 0.948     | <b>91</b>  | 0.577     | <b>188</b> | 0.773     | <b>7</b>                 | <b>9</b>                 | Medium    |
| Nedelino                       | 0.796                 | <b>20</b>            | 0.896           | 57             | 0.970          | 182           | 0.945     | <b>103</b> | 0.546     | <b>228</b> | 0.763     | <b>8</b>                 | <b>9</b>                 | Medium    |
| Dospat                         | 0.816                 | <b>3</b>             | 0.897           | 56             | 0.983          | 106           | 0.955     | <b>55</b>  | 0.493     | <b>257</b> | 0.754     | <b>9</b>                 | <b>9</b>                 | Low       |
| Madan                          | 0.787                 | <b>41</b>            | 0.917           | 30             | 0.973          | 164           | 0.954     | <b>57</b>  | 0.515     | <b>252</b> | 0.752     | <b>10</b>                | <b>9</b>                 | Low       |
| <b>Ruse District</b>           |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Ruse                           | 0.772                 | <b>99</b>            | 0.926           | 23             | 0.995          | 9             | 0.972     | <b>15</b>  | 0.680     | <b>64</b>  | 0.808     | <b>1</b>                 | <b>10</b>                | High      |
| Slivo pole                     | 0.751                 | <b>183</b>           | 0.862           | 135            | 0.973          | 166           | 0.936     | <b>147</b> | 0.641     | <b>106</b> | 0.776     | <b>2</b>                 | <b>10</b>                | Medium    |
| Ivanovo                        | 0.754                 | <b>175</b>           | 0.854           | 155            | 0.986          | 80            | 0.942     | <b>122</b> | 0.615     | <b>138</b> | 0.770     | <b>3</b>                 | <b>10</b>                | Medium    |
| Tzenovo                        | 0.791                 | <b>30</b>            | 0.853           | 160            | 0.988          | 72            | 0.943     | <b>119</b> | 0.562     | <b>212</b> | 0.765     | <b>4</b>                 | <b>10</b>                | Medium    |
| Borovo                         | 0.769                 | <b>113</b>           | 0.870           | 106            | 0.989          | 65            | 0.949     | <b>84</b>  | 0.535     | <b>241</b> | 0.751     | <b>5</b>                 | <b>10</b>                | Low       |
| Biala                          | 0.755                 | <b>170</b>           | 0.865           | 123            | 0.986          | 83            | 0.945     | <b>105</b> | 0.540     | <b>234</b> | 0.747     | <b>6</b>                 | <b>10</b>                | Low       |
| Dve Mogili                     | 0.742                 | <b>221</b>           | 0.868           | 113            | 0.972          | 172           | 0.937     | <b>139</b> | 0.554     | <b>219</b> | 0.745     | <b>7</b>                 | <b>10</b>                | Low       |
| Vetovo                         | 0.749                 | <b>193</b>           | 0.861           | 137            | 0.969          | 188           | 0.933     | <b>161</b> | 0.549     | <b>222</b> | 0.744     | <b>8</b>                 | <b>10</b>                | Low       |
| <b>Lovech District</b>         |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Troyan                         | 0.784                 | <b>50</b>            | 0.913           | 35             | 0.995          | 10            | 0.968     | <b>23</b>  | 0.731     | <b>27</b>  | 0.827     | <b>1</b>                 | <b>11</b>                | High      |
| Apriltzi                       | 0.791                 | <b>33</b>            | 0.941           | 13             | 0.996          | 7             | 0.978     | <b>8</b>   | 0.667     | <b>78</b>  | 0.812     | <b>2</b>                 | <b>11</b>                | High      |
| Lovech                         | 0.770                 | <b>105</b>           | 0.922           | 28             | 0.992          | 31            | 0.969     | <b>20</b>  | 0.686     | <b>57</b>  | 0.808     | <b>3</b>                 | <b>11</b>                | High      |

| District / Municipality     | Life expectancy index | Life expectancy rank | Enrolment index | Enrolment rank | Literacy index | Literacy rank | CEI index | CEI rank   | GDP index | GDP rank   | GDP index | HDI rank in the district | HDI rank of the district | HDI level |
|-----------------------------|-----------------------|----------------------|-----------------|----------------|----------------|---------------|-----------|------------|-----------|------------|-----------|--------------------------|--------------------------|-----------|
| Teteven                     | 0.779                 | <b>66</b>            | 0.908           | 40             | 0.978          | 144           | 0.954     | <b>58</b>  | 0.624     | <b>128</b> | 0.786     | <b>4</b>                 | <b>11</b>                | Medium    |
| Yablanitzza                 | 0.746                 | <b>201</b>           | 0.853           | 159            | 0.969          | 186           | 0.931     | <b>167</b> | 0.632     | <b>118</b> | 0.770     | <b>5</b>                 | <b>11</b>                | Medium    |
| Ugarchin                    | 0.739                 | <b>240</b>           | 0.845           | 175            | 0.962          | 210           | 0.923     | <b>189</b> | 0.601     | <b>157</b> | 0.755     | <b>6</b>                 | <b>11</b>                | Low       |
| Lukovit                     | 0.762                 | <b>138</b>           | 0.847           | 170            | 0.953          | 230           | 0.918     | <b>215</b> | 0.569     | <b>203</b> | 0.749     | <b>7</b>                 | <b>11</b>                | Low       |
| Letniza                     | 0.744                 | <b>212</b>           | 0.857           | 147            | 0.974          | 159           | 0.935     | <b>148</b> | 0.533     | <b>243</b> | 0.737     | <b>8</b>                 | <b>11</b>                | Low       |
| <b>Pernik District</b>      |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Zemen                       | 0.757                 | <b>161</b>           | 0.882           | 86             | 0.992          | 38            | 0.955     | <b>50</b>  | 0.777     | <b>13</b>  | 0.830     | <b>1</b>                 | <b>12</b>                | High      |
| Pernik                      | 0.769                 | <b>109</b>           | 0.946           | 9              | 0.995          | 8             | 0.979     | <b>5</b>   | 0.664     | <b>80</b>  | 0.804     | <b>2</b>                 | <b>12</b>                | High      |
| Kovachevtzi                 | 0.745                 | <b>208</b>           | 0.889           | 71             | 0.994          | 15            | 0.959     | <b>43</b>  | 0.700     | <b>48</b>  | 0.801     | <b>3</b>                 | <b>12</b>                | High      |
| Tran                        | 0.786                 | <b>42</b>            | 0.893           | 62             | 0.981          | 121           | 0.952     | <b>69</b>  | 0.652     | <b>96</b>  | 0.797     | <b>4</b>                 | <b>12</b>                | High      |
| Breznik                     | 0.787                 | <b>40</b>            | 0.903           | 46             | 0.993          | 23            | 0.963     | <b>33</b>  | 0.601     | <b>160</b> | 0.784     | <b>5</b>                 | <b>12</b>                | Medium    |
| Radomir                     | 0.760                 | <b>151</b>           | 0.927           | 21             | 0.990          | 58            | 0.969     | <b>21</b>  | 0.616     | <b>136</b> | 0.781     | <b>6</b>                 | <b>12</b>                | Medium    |
| <b>Plovdiv District</b>     |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Plovdiv                     | 0.780                 | <b>60</b>            | 0.925           | 24             | 0.985          | 96            | 0.965     | <b>28</b>  | 0.712     | <b>41</b>  | 0.819     | <b>1</b>                 | <b>13</b>                | High      |
| Assenovgrad                 | 0.798                 | <b>16</b>            | 0.864           | 130            | 0.972          | 170           | 0.936     | <b>146</b> | 0.609     | <b>146</b> | 0.781     | <b>2</b>                 | <b>13</b>                | Medium    |
| Rodopi                      | 0.808                 | <b>7</b>             | 0.837           | 189            | 0.983          | 109           | 0.934     | <b>153</b> | 0.580     | <b>185</b> | 0.774     | <b>3</b>                 | <b>13</b>                | Medium    |
| Hisarya                     | 0.768                 | <b>115</b>           | 0.850           | 167            | 0.991          | 47            | 0.944     | <b>110</b> | 0.600     | <b>162</b> | 0.771     | <b>4</b>                 | <b>13</b>                | Medium    |
| Brezovo                     | 0.750                 | <b>188</b>           | 0.911           | 38             | 0.986          | 81            | 0.961     | <b>40</b>  | 0.595     | <b>169</b> | 0.769     | <b>5</b>                 | <b>13</b>                | Medium    |
| Kaloyanovo                  | 0.775                 | <b>89</b>            | 0.838           | 188            | 0.983          | 105           | 0.935     | <b>151</b> | 0.585     | <b>178</b> | 0.765     | <b>6</b>                 | <b>13</b>                | Medium    |
| Karlovo                     | 0.761                 | <b>142</b>           | 0.867           | 117            | 0.980          | 123           | 0.942     | <b>121</b> | 0.570     | <b>200</b> | 0.758     | <b>7</b>                 | <b>13</b>                | Low       |
| Perushtitza                 | 0.796                 | <b>21</b>            | 0.861           | 139            | 0.970          | 179           | 0.934     | <b>155</b> | 0.535     | <b>242</b> | 0.755     | <b>8</b>                 | <b>13</b>                | Low       |
| Saedinenie                  | 0.783                 | <b>51</b>            | 0.839           | 184            | 0.986          | 82            | 0.937     | <b>142</b> | 0.543     | <b>231</b> | 0.755     | <b>9</b>                 | <b>13</b>                | Low       |
| Laki                        | 0.745                 | <b>206</b>           | 0.860           | 140            | 0.915          | 258           | 0.897     | <b>251</b> | 0.612     | <b>141</b> | 0.751     | <b>10</b>                | <b>13</b>                | Low       |
| Stamboliyski                | 0.785                 | <b>47</b>            | 0.835           | 195            | 0.979          | 135           | 0.931     | <b>166</b> | 0.532     | <b>244</b> | 0.749     | <b>11</b>                | <b>13</b>                | Low       |
| Parvomay                    | 0.767                 | <b>125</b>           | 0.861           | 138            | 0.976          | 152           | 0.938     | <b>135</b> | 0.539     | <b>235</b> | 0.748     | <b>12</b>                | <b>13</b>                | Low       |
| Krichim                     | 0.764                 | <b>131</b>           | 0.841           | 181            | 0.971          | 176           | 0.928     | <b>177</b> | 0.551     | <b>221</b> | 0.747     | <b>13</b>                | <b>13</b>                | Low       |
| Maritza                     | 0.786                 | <b>44</b>            | 0.833           | 200            | 0.975          | 158           | 0.928     | <b>179</b> | 0.521     | <b>250</b> | 0.745     | <b>14</b>                | <b>13</b>                | Low       |
| Rakovski                    | 0.767                 | <b>120</b>           | 0.844           | 176            | 0.971          | 178           | 0.928     | <b>173</b> | 0.536     | <b>240</b> | 0.744     | <b>15</b>                | <b>13</b>                | Low       |
| Sadovo                      | 0.776                 | <b>85</b>            | 0.857           | 144            | 0.954          | 229           | 0.922     | <b>196</b> | 0.530     | <b>246</b> | 0.742     | <b>16</b>                | <b>13</b>                | Low       |
| <b>Blagoevgrad District</b> |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Blagoevgrad                 | 0.782                 | <b>54</b>            | 0.927           | 22             | 0.993          | 18            | 0.971     | <b>16</b>  | 0.728     | <b>32</b>  | 0.827     | <b>1</b>                 | <b>14</b>                | High      |
| Belitza                     | 0.773                 | <b>94</b>            | 0.855           | 150            | 0.951          | 233           | 0.919     | <b>212</b> | 0.729     | <b>31</b>  | 0.807     | <b>2</b>                 | <b>14</b>                | High      |
| Sandanski                   | 0.787                 | <b>38</b>            | 0.879           | 93             | 0.982          | 117           | 0.947     | <b>94</b>  | 0.669     | <b>75</b>  | 0.801     | <b>3</b>                 | <b>14</b>                | High      |
| Bansko                      | 0.779                 | <b>70</b>            | 0.916           | 32             | 0.992          | 33            | 0.967     | <b>25</b>  | 0.638     | <b>110</b> | 0.794     | <b>4</b>                 | <b>14</b>                | High      |
| Gotze Delchev               | 0.793                 | <b>28</b>            | 0.906           | 42             | 0.990          | 55            | 0.962     | <b>36</b>  | 0.609     | <b>144</b> | 0.788     | <b>5</b>                 | <b>14</b>                | High      |
| Petrich                     | 0.799                 | <b>14</b>            | 0.870           | 108            | 0.975          | 156           | 0.940     | <b>128</b> | 0.607     | <b>151</b> | 0.782     | <b>6</b>                 | <b>14</b>                | Medium    |
| Razlog                      | 0.805                 | <b>9</b>             | 0.912           | 37             | 0.991          | 46            | 0.964     | <b>31</b>  | 0.574     | <b>190</b> | 0.781     | <b>7</b>                 | <b>14</b>                | Medium    |
| Hadzjidimovo                | 0.819                 | <b>2</b>             | 0.856           | 149            | 0.979          | 136           | 0.938     | <b>134</b> | 0.571     | <b>196</b> | 0.776     | <b>8</b>                 | <b>14</b>                | Medium    |
| Strumyani                   | 0.768                 | <b>118</b>           | 0.837           | 191            | 0.936          | 247           | 0.903     | <b>243</b> | 0.651     | <b>97</b>  | 0.774     | <b>9</b>                 | <b>14</b>                | Medium    |
| Simitli                     | 0.778                 | <b>72</b>            | 0.846           | 173            | 0.987          | 76            | 0.940     | <b>129</b> | 0.593     | <b>170</b> | 0.770     | <b>10</b>                | <b>14</b>                | Medium    |
| Kresna                      | 0.766                 | <b>126</b>           | 0.880           | 90             | 0.987          | 74            | 0.952     | <b>71</b>  | 0.547     | <b>225</b> | 0.755     | <b>11</b>                | <b>14</b>                | Low       |
| Satovcha                    | 0.782                 | <b>53</b>            | 0.864           | 131            | 0.983          | 110           | 0.943     | <b>118</b> | 0.469     | <b>261</b> | 0.731     | <b>12</b>                | <b>14</b>                | Low       |
| Garmen                      | 0.785                 | <b>48</b>            | 0.839           | 185            | 0.963          | 209           | 0.921     | <b>199</b> | 0.486     | <b>260</b> | 0.731     | <b>13</b>                | <b>14</b>                | Low       |
| Yakoruda                    | 0.774                 | <b>92</b>            | 0.866           | 118            | 0.946          | 239           | 0.919     | <b>210</b> | 0.495     | <b>256</b> | 0.730     | <b>14</b>                | <b>14</b>                | Low       |
| <b>Pleven District</b>      |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Pordim                      | 0.785                 | <b>46</b>            | 0.922           | 27             | 0.990          | 57            | 0.967     | <b>24</b>  | 0.730     | <b>28</b>  | 0.828     | <b>1</b>                 | <b>15</b>                | High      |
| Pleven                      | 0.779                 | <b>65</b>            | 0.924           | 26             | 0.992          | 35            | 0.969     | <b>19</b>  | 0.709     | <b>44</b>  | 0.819     | <b>2</b>                 | <b>15</b>                | High      |
| Belene                      | 0.771                 | <b>104</b>           | 0.886           | 78             | 0.990          | 54            | 0.955     | <b>49</b>  | 0.632     | <b>115</b> | 0.786     | <b>3</b>                 | <b>15</b>                | Medium    |
| Levski                      | 0.772                 | <b>98</b>            | 0.866           | 119            | 0.984          | 102           | 0.945     | <b>108</b> | 0.608     | <b>149</b> | 0.775     | <b>4</b>                 | <b>15</b>                | Medium    |
| Dolna Mitropoliya           | 0.761                 | <b>145</b>           | 0.859           | 143            | 0.978          | 145           | 0.938     | <b>133</b> | 0.607     | <b>150</b> | 0.769     | <b>5</b>                 | <b>15</b>                | Medium    |
| Gulyantzi                   | 0.774                 | <b>93</b>            | 0.857           | 146            | 0.987          | 78            | 0.943     | <b>111</b> | 0.565     | <b>208</b> | 0.761     | <b>6</b>                 | <b>15</b>                | Medium    |
| Dolna Dabnik                | 0.754                 | <b>172</b>           | 0.853           | 157            | 0.965          | 201           | 0.928     | <b>176</b> | 0.586     | <b>177</b> | 0.756     | <b>7</b>                 | <b>15</b>                | Low       |
| Iskar                       | 0.777                 | <b>80</b>            | 0.864           | 127            | 0.989          | 61            | 0.947     | <b>93</b>  | 0.543     | <b>232</b> | 0.756     | <b>8</b>                 | <b>15</b>                | Low       |
| Nikopol                     | 0.742                 | <b>225</b>           | 0.865           | 124            | 0.972          | 171           | 0.936     | <b>145</b> | 0.571     | <b>198</b> | 0.750     | <b>9</b>                 | <b>15</b>                | Low       |
| Cherven Bryag               | 0.755                 | <b>168</b>           | 0.878           | 95             | 0.983          | 103           | 0.948     | <b>88</b>  | 0.536     | <b>239</b> | 0.746     | <b>10</b>                | <b>15</b>                | Low       |

| District / Municipality | Life expectancy index | Life expectancy rank | Enrolment index | Enrolment rank | Literacy index | Literacy rank | CEI index | CEI rank   | GDP index | GDP rank   | GDP index | HDI rank in the district | HDI rank of the district | HDI level |
|-------------------------|-----------------------|----------------------|-----------------|----------------|----------------|---------------|-----------|------------|-----------|------------|-----------|--------------------------|--------------------------|-----------|
| <b>Sofia District</b>   |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Chelopech               | 0.810                 | <b>6</b>             | 0.865           | 121            | 0.992          | 30            | 0.950     | <b>79</b>  | 0.877     | <b>2</b>   | 0.879     | <b>1</b>                 | <b>16</b>                | High      |
| Botevgrad               | 0.762                 | <b>137</b>           | 0.817           | 225            | 0.989          | 59            | 0.932     | <b>162</b> | 0.765     | <b>17</b>  | 0.820     | <b>2</b>                 | <b>16</b>                | High      |
| Pirdop                  | 0.776                 | <b>83</b>            | 0.834           | 197            | 0.990          | 49            | 0.938     | <b>131</b> | 0.744     | <b>20</b>  | 0.819     | <b>3</b>                 | <b>16</b>                | High      |
| Anton                   | 0.805                 | <b>10</b>            | 0.767           | 256            | 0.997          | 4             | 0.920     | <b>205</b> | 0.720     | <b>36</b>  | 0.815     | <b>4</b>                 | <b>16</b>                | High      |
| Zlatitza                | 0.788                 | <b>36</b>            | 0.840           | 183            | 0.995          | 14            | 0.943     | <b>115</b> | 0.711     | <b>42</b>  | 0.814     | <b>5</b>                 | <b>16</b>                | High      |
| Chavdar                 | 0.797                 | <b>19</b>            | 0.762           | 258            | 0.991          | 43            | 0.915     | <b>223</b> | 0.730     | <b>29</b>  | 0.814     | <b>6</b>                 | <b>16</b>                | High      |
| Mirkovo                 | 0.736                 | <b>246</b>           | 0.772           | 254            | 0.992          | 39            | 0.918     | <b>213</b> | 0.770     | <b>15</b>  | 0.808     | <b>7</b>                 | <b>16</b>                | High      |
| Bojurshte               | 0.798                 | <b>15</b>            | 0.769           | 255            | 0.996          | 6             | 0.920     | <b>206</b> | 0.684     | <b>60</b>  | 0.801     | <b>8</b>                 | <b>16</b>                | High      |
| Dragoman                | 0.778                 | <b>73</b>            | 0.766           | 257            | 0.989          | 62            | 0.915     | <b>224</b> | 0.704     | <b>45</b>  | 0.799     | <b>9</b>                 | <b>16</b>                | High      |
| Elin Pelin              | 0.774                 | <b>91</b>            | 0.776           | 252            | 0.993          | 25            | 0.921     | <b>203</b> | 0.685     | <b>59</b>  | 0.793     | <b>10</b>                | <b>16</b>                | High      |
| Svoje                   | 0.779                 | <b>67</b>            | 0.778           | 250            | 0.992          | 32            | 0.921     | <b>200</b> | 0.672     | <b>73</b>  | 0.791     | <b>11</b>                | <b>16</b>                | High      |
| Etropole                | 0.793                 | <b>27</b>            | 0.781           | 248            | 0.994          | 17            | 0.923     | <b>191</b> | 0.650     | <b>98</b>  | 0.789     | <b>12</b>                | <b>16</b>                | High      |
| Slivnitsa               | 0.805                 | <b>8</b>             | 0.727           | 262            | 0.993          | 21            | 0.904     | <b>240</b> | 0.649     | <b>100</b> | 0.786     | <b>13</b>                | <b>16</b>                | Medium    |
| Kostinbrod              | 0.780                 | <b>63</b>            | 0.783           | 246            | 0.992          | 29            | 0.923     | <b>192</b> | 0.652     | <b>95</b>  | 0.785     | <b>14</b>                | <b>16</b>                | Medium    |
| Godech                  | 0.797                 | <b>17</b>            | 0.827           | 214            | 0.993          | 26            | 0.937     | <b>137</b> | 0.608     | <b>148</b> | 0.781     | <b>15</b>                | <b>16</b>                | Medium    |
| Gorna Malina            | 0.755                 | <b>167</b>           | 0.775           | 253            | 0.995          | 12            | 0.922     | <b>195</b> | 0.662     | <b>83</b>  | 0.780     | <b>16</b>                | <b>16</b>                | Medium    |
| Samokov                 | 0.777                 | <b>81</b>            | 0.831           | 206            | 0.966          | 198           | 0.921     | <b>202</b> | 0.637     | <b>111</b> | 0.778     | <b>17</b>                | <b>16</b>                | Medium    |
| Pravetz                 | 0.785                 | <b>49</b>            | 0.859           | 142            | 0.985          | 91            | 0.943     | <b>113</b> | 0.601     | <b>158</b> | 0.776     | <b>18</b>                | <b>16</b>                | Medium    |
| Koprivshitsa            | 0.791                 | <b>31</b>            | 0.835           | 196            | 0.999          | 1             | 0.944     | <b>109</b> | 0.592     | <b>172</b> | 0.776     | <b>19</b>                | <b>16</b>                | Medium    |
| Kostenetz               | 0.752                 | <b>181</b>           | 0.855           | 154            | 0.993          | 27            | 0.947     | <b>97</b>  | 0.598     | <b>163</b> | 0.766     | <b>20</b>                | <b>16</b>                | Medium    |
| Dolina Banya            | 0.761                 | <b>143</b>           | 0.807           | 236            | 0.958          | 217           | 0.908     | <b>235</b> | 0.581     | <b>183</b> | 0.750     | <b>21</b>                | <b>16</b>                | Low       |
| Ihtiman                 | 0.755                 | <b>169</b>           | 0.755           | 261            | 0.975          | 157           | 0.902     | <b>245</b> | 0.572     | <b>194</b> | 0.743     | <b>22</b>                | <b>16</b>                | Low       |
| <b>Dobrich District</b> |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Dobrich city            | 0.765                 | <b>129</b>           | 0.893           | 64             | 0.986          | 79            | 0.955     | <b>51</b>  | 0.721     | <b>35</b>  | 0.814     | <b>1</b>                 | <b>17</b>                | High      |
| Balchik                 | 0.743                 | <b>216</b>           | 0.831           | 204            | 0.964          | 205           | 0.920     | <b>208</b> | 0.715     | <b>39</b>  | 0.793     | <b>2</b>                 | <b>17</b>                | High      |
| Shabla                  | 0.768                 | <b>117</b>           | 0.877           | 96             | 0.983          | 108           | 0.948     | <b>90</b>  | 0.617     | <b>133</b> | 0.778     | <b>3</b>                 | <b>17</b>                | Medium    |
| Krushari                | 0.714                 | <b>262</b>           | 0.824           | 220            | 0.933          | 249           | 0.897     | <b>250</b> | 0.637     | <b>112</b> | 0.749     | <b>4</b>                 | <b>17</b>                | Low       |
| General Toshevo         | 0.746                 | <b>203</b>           | 0.836           | 192            | 0.956          | 225           | 0.916     | <b>217</b> | 0.585     | <b>179</b> | 0.749     | <b>5</b>                 | <b>17</b>                | Low       |
| Dobrich - rural         | 0.733                 | <b>252</b>           | 0.815           | 228            | 0.943          | 243           | 0.900     | <b>247</b> | 0.588     | <b>176</b> | 0.740     | <b>6</b>                 | <b>17</b>                | Low       |
| Kavarna                 | 0.748                 | <b>196</b>           | 0.851           | 165            | 0.963          | 208           | 0.926     | <b>184</b> | 0.545     | <b>229</b> | 0.740     | <b>7</b>                 | <b>17</b>                | Low       |
| Tervel                  | 0.737                 | <b>244</b>           | 0.825           | 217            | 0.933          | 250           | 0.897     | <b>249</b> | 0.530     | <b>247</b> | 0.721     | <b>8</b>                 | <b>17</b>                | Low       |
| <b>Vidin District</b>   |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Belogradchik            | 0.759                 | <b>155</b>           | 0.882           | 85             | 0.988          | 71            | 0.953     | <b>66</b>  | 0.743     | <b>21</b>  | 0.818     | <b>1</b>                 | <b>18</b>                | High      |
| Gramada                 | 0.744                 | <b>213</b>           | 0.874           | 99             | 0.989          | 63            | 0.951     | <b>76</b>  | 0.718     | <b>37</b>  | 0.804     | <b>2</b>                 | <b>18</b>                | High      |
| Vidin                   | 0.769                 | <b>111</b>           | 0.928           | 19             | 0.988          | 70            | 0.968     | <b>22</b>  | 0.669     | <b>74</b>  | 0.802     | <b>3</b>                 | <b>18</b>                | High      |
| Novo selo               | 0.797                 | <b>18</b>            | 0.891           | 68             | 0.977          | 147           | 0.949     | <b>87</b>  | 0.653     | <b>94</b>  | 0.800     | <b>4</b>                 | <b>18</b>                | High      |
| Rujintzi                | 0.746                 | <b>204</b>           | 0.889           | 72             | 0.975          | 155           | 0.947     | <b>96</b>  | 0.697     | <b>50</b>  | 0.796     | <b>5</b>                 | <b>18</b>                | High      |
| Dimovo                  | 0.745                 | <b>207</b>           | 0.880           | 91             | 0.978          | 139           | 0.945     | <b>104</b> | 0.674     | <b>68</b>  | 0.788     | <b>6</b>                 | <b>18</b>                | High      |
| Bregovo                 | 0.747                 | <b>197</b>           | 0.964           | 5              | 0.956          | 226           | 0.958     | <b>44</b>  | 0.650     | <b>99</b>  | 0.785     | <b>7</b>                 | <b>18</b>                | Medium    |
| Makresh                 | 0.740                 | <b>235</b>           | 0.874           | 100            | 0.990          | 53            | 0.951     | <b>72</b>  | 0.658     | <b>88</b>  | 0.783     | <b>8</b>                 | <b>18</b>                | Medium    |
| Boymitza                | 0.728                 | <b>258</b>           | 0.993           | 1              | 0.960          | 214           | 0.971     | <b>17</b>  | 0.642     | <b>105</b> | 0.780     | <b>9</b>                 | <b>18</b>                | Medium    |
| Kula                    | 0.750                 | <b>192</b>           | 0.879           | 92             | 0.982          | 115           | 0.947     | <b>92</b>  | 0.615     | <b>139</b> | 0.771     | <b>10</b>                | <b>18</b>                | Medium    |
| Chuprene                | 0.739                 | <b>239</b>           | 0.865           | 125            | 0.988          | 69            | 0.947     | <b>95</b>  | 0.603     | <b>156</b> | 0.763     | <b>11</b>                | <b>18</b>                | Medium    |
| <b>Haskovo District</b> |                       |                      |                 |                |                |               |           |            |           |            |           |                          |                          |           |
| Lyubimetz               | 0.779                 | <b>68</b>            | 0.836           | 193            | 0.973          | 168           | 0.927     | <b>181</b> | 0.737     | <b>23</b>  | 0.814     | <b>1</b>                 | <b>19</b>                | High      |
| Madjarovo               | 0.763                 | <b>134</b>           | 0.885           | 82             | 0.928          | 254           | 0.914     | <b>228</b> | 0.730     | <b>30</b>  | 0.802     | <b>2</b>                 | <b>19</b>                | High      |
| Simeonovgrad            | 0.751                 | <b>186</b>           | 0.827           | 213            | 0.951          | 232           | 0.910     | <b>232</b> | 0.731     | <b>25</b>  | 0.797     | <b>3</b>                 | <b>19</b>                | High      |
| Haskovo                 | 0.777                 | <b>76</b>            | 0.899           | 52             | 0.970          | 185           | 0.946     | <b>99</b>  | 0.662     | <b>84</b>  | 0.795     | <b>4</b>                 | <b>19</b>                | High      |
| Svilengrad              | 0.772                 | <b>100</b>           | 0.896           | 58             | 0.976          | 151           | 0.949     | <b>82</b>  | 0.663     | <b>82</b>  | 0.795     | <b>5</b>                 | <b>19</b>                | High      |
| Topolovgrad             | 0.764                 | <b>132</b>           | 0.851           | 164            | 0.970          | 183           | 0.930     | <b>169</b> | 0.673     | <b>72</b>  | 0.789     | <b>6</b>                 | <b>19</b>                | High      |
| Ivaylovgrad             | 0.779                 | <b>64</b>            | 0.864           | 126            | 0.979          | 129           | 0.941     | <b>127</b> | 0.621     | <b>132</b> | 0.780     | <b>7</b>                 | <b>19</b>                | Medium    |
| Dimitrovgrad            | 0.763                 | <b>133</b>           | 0.855           | 153            | 0.985          | 97            | 0.941     | <b>124</b> | 0.609     | <b>145</b> | 0.771     | <b>8</b>                 | <b>19</b>                | Medium    |
| Harmanli                | 0.755                 | <b>171</b>           | 0.848           | 168            | 0.972          | 173           | 0.930     | <b>168</b> | 0.571     | <b>195</b> | 0.752     | <b>9</b>                 | <b>19</b>                | Low       |
| Mineralni bani          | 0.800                 | <b>13</b>            | 0.862           | 132            | 0.957          | 223           | 0.925     | <b>186</b> | 0.531     | <b>245</b> | 0.752     | <b>10</b>                | <b>19</b>                | Low       |



| District / Municipality     | Life expectancy index | Life expectancy rank | Enrolment index | Enrolment rank | Literacy index | Literacy rank | CEI index | CEI rank | GDP index | GDP rank | GDP index | HDI rank in the district | HDI rank of the district | HDI level |
|-----------------------------|-----------------------|----------------------|-----------------|----------------|----------------|---------------|-----------|----------|-----------|----------|-----------|--------------------------|--------------------------|-----------|
| Stambolovo                  | 0.757                 | 162                  | 0.830           | 210            | 0.905          | 262           | 0.880     | 257      | 0.567     | 204      | 0.735     | 11                       | 19                       | Low       |
| <b>Shumen District</b>      |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Shumen                      | 0.775                 | 87                   | 0.898           | 55             | 0.992          | 34            | 0.961     | 41       | 0.655     | 92       | 0.797     | 1                        | 20                       | High      |
| Novi Pazar                  | 0.758                 | 157                  | 0.862           | 134            | 0.981          | 122           | 0.941     | 126      | 0.657     | 90       | 0.785     | 2                        | 20                       | Medium    |
| Kaspichan                   | 0.741                 | 226                  | 0.828           | 212            | 0.973          | 167           | 0.925     | 187      | 0.687     | 54       | 0.784     | 3                        | 20                       | Medium    |
| Nikola Kozlevo              | 0.731                 | 253                  | 0.830           | 209            | 0.956          | 224           | 0.914     | 225      | 0.687     | 54       | 0.778     | 4                        | 20                       | Medium    |
| Veliki Preslav              | 0.789                 | 35                   | 0.846           | 171            | 0.982          | 113           | 0.937     | 143      | 0.604     | 154      | 0.776     | 5                        | 20                       | Medium    |
| Hitrino                     | 0.761                 | 146                  | 0.846           | 172            | 0.978          | 140           | 0.934     | 154      | 0.630     | 121      | 0.775     | 6                        | 20                       | Medium    |
| Veneziz                     | 0.761                 | 141                  | 0.843           | 178            | 0.954          | 227           | 0.917     | 216      | 0.549     | 224      | 0.742     | 7                        | 20                       | Low       |
| Varbitza                    | 0.765                 | 128                  | 0.833           | 201            | 0.939          | 245           | 0.904     | 241      | 0.542     | 233      | 0.737     | 8                        | 20                       | Low       |
| Smyadovo                    | 0.740                 | 234                  | 0.835           | 194            | 0.966          | 199           | 0.922     | 193      | 0.499     | 255      | 0.720     | 9                        | 20                       | Low       |
| Kaolinovo                   | 0.751                 | 187                  | 0.852           | 162            | 0.957          | 222           | 0.922     | 194      | 0.487     | 258      | 0.720     | 10                       | 20                       | Low       |
| <b>Yambol District</b>      |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Yambol                      | 0.759                 | 154                  | 0.934           | 16             | 0.980          | 124           | 0.965     | 29       | 0.664     | 79       | 0.796     | 1                        | 21                       | High      |
| Tundja                      | 0.743                 | 220                  | 0.847           | 169            | 0.976          | 150           | 0.933     | 158      | 0.644     | 104      | 0.773     | 2                        | 21                       | Medium    |
| Bolyarovo                   | 0.735                 | 249                  | 0.861           | 136            | 0.970          | 180           | 0.934     | 156      | 0.635     | 113      | 0.768     | 3                        | 21                       | Medium    |
| Elhovo                      | 0.745                 | 209                  | 0.894           | 60             | 0.985          | 95            | 0.955     | 56       | 0.570     | 201      | 0.757     | 4                        | 21                       | Low       |
| Straldja                    | 0.760                 | 149                  | 0.868           | 114            | 0.961          | 212           | 0.930     | 170      | 0.559     | 214      | 0.750     | 5                        | 21                       | Low       |
| <b>Montana District</b>     |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Montana                     | 0.773                 | 96                   | 0.940           | 14             | 0.993          | 22            | 0.975     | 12       | 0.717     | 38       | 0.822     | 1                        | 22                       | High      |
| Berkovitz                   | 0.759                 | 153                  | 0.886           | 77             | 0.985          | 88            | 0.952     | 67       | 0.722     | 34       | 0.811     | 2                        | 22                       | High      |
| Chiprovtsi                  | 0.769                 | 112                  | 0.870           | 110            | 0.993          | 19            | 0.952     | 68       | 0.640     | 107      | 0.787     | 3                        | 22                       | Medium    |
| Georgi Damyanovo            | 0.767                 | 122                  | 0.937           | 15             | 0.993          | 20            | 0.974     | 14       | 0.615     | 137      | 0.786     | 4                        | 22                       | Medium    |
| Lom                         | 0.742                 | 223                  | 0.929           | 18             | 0.990          | 56            | 0.970     | 18       | 0.617     | 134      | 0.776     | 5                        | 22                       | Medium    |
| Boychinovtzi                | 0.745                 | 210                  | 0.885           | 81             | 0.984          | 101           | 0.951     | 74       | 0.604     | 153      | 0.767     | 6                        | 22                       | Medium    |
| Yakimovo                    | 0.767                 | 123                  | 0.873           | 102            | 0.981          | 118           | 0.945     | 106      | 0.584     | 181      | 0.765     | 7                        | 22                       | Medium    |
| Brusartzi                   | 0.734                 | 251                  | 0.870           | 107            | 0.988          | 67            | 0.949     | 85       | 0.608     | 147      | 0.764     | 8                        | 22                       | Medium    |
| Varshetz                    | 0.762                 | 136                  | 0.891           | 65             | 0.984          | 100           | 0.953     | 63       | 0.556     | 217      | 0.757     | 9                        | 22                       | Low       |
| Medkovetz                   | 0.737                 | 245                  | 0.895           | 59             | 0.977          | 149           | 0.950     | 81       | 0.584     | 180      | 0.757     | 10                       | 22                       | Low       |
| Valchedram                  | 0.736                 | 247                  | 0.878           | 94             | 0.980          | 126           | 0.946     | 102      | 0.567     | 205      | 0.750     | 11                       | 22                       | Low       |
| <b>District Kardjali</b>    |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Kardjali                    | 0.800                 | 12                   | 0.880           | 89             | 0.946          | 237           | 0.924     | 188      | 0.674     | 70       | 0.799     | 1                        | 23                       | High      |
| Ardino                      | 0.790                 | 34                   | 0.830           | 207            | 0.949          | 236           | 0.909     | 233      | 0.655     | 93       | 0.785     | 2                        | 23                       | Medium    |
| Chernoochene                | 0.812                 | 4                    | 0.814           | 229            | 0.910          | 261           | 0.878     | 259      | 0.657     | 89       | 0.782     | 3                        | 23                       | Medium    |
| Krumovgrad                  | 0.767                 | 124                  | 0.822           | 222            | 0.926          | 255           | 0.891     | 253      | 0.661     | 85       | 0.773     | 4                        | 23                       | Medium    |
| Kirkovo                     | 0.771                 | 102                  | 0.824           | 219            | 0.943          | 242           | 0.903     | 242      | 0.571     | 199      | 0.748     | 5                        | 23                       | Low       |
| Momchilgrad                 | 0.765                 | 127                  | 0.838           | 187            | 0.930          | 252           | 0.899     | 248      | 0.566     | 207      | 0.743     | 6                        | 23                       | Low       |
| Djebel                      | 0.762                 | 139                  | 0.833           | 199            | 0.936          | 248           | 0.902     | 244      | 0.558     | 216      | 0.741     | 7                        | 23                       | Low       |
| <b>Targovishte District</b> |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Omurtag                     | 0.777                 | 79                   | 0.811           | 233            | 0.961          | 213           | 0.911     | 230      | 0.694     | 52       | 0.794     | 1                        | 24                       | High      |
| Targovishte                 | 0.743                 | 219                  | 0.867           | 116            | 0.986          | 86            | 0.946     | 101      | 0.647     | 102      | 0.779     | 2                        | 24                       | Medium    |
| Popovo                      | 0.753                 | 179                  | 0.837           | 190            | 0.982          | 112           | 0.934     | 157      | 0.600     | 161      | 0.762     | 3                        | 24                       | Medium    |
| Antonovo                    | 0.776                 | 86                   | 0.808           | 234            | 0.958          | 216           | 0.908     | 234      | 0.566     | 206      | 0.750     | 4                        | 24                       | Low       |
| Opaka                       | 0.755                 | 166                  | 0.827           | 215            | 0.966          | 197           | 0.920     | 209      | 0.521     | 249      | 0.732     | 5                        | 24                       | Low       |
| <b>Razgrad District</b>     |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Razgrad                     | 0.750                 | 190                  | 0.889           | 74             | 0.988          | 73            | 0.955     | 54       | 0.701     | 47       | 0.802     | 1                        | 25                       | High      |
| Loznitza                    | 0.734                 | 250                  | 0.842           | 180            | 0.968          | 191           | 0.926     | 183      | 0.625     | 127      | 0.762     | 2                        | 25                       | Medium    |
| Tzar Kaloyan                | 0.741                 | 232                  | 0.830           | 208            | 0.982          | 111           | 0.932     | 164      | 0.588     | 175      | 0.754     | 3                        | 25                       | Low       |
| Isperih                     | 0.740                 | 233                  | 0.832           | 202            | 0.965          | 204           | 0.921     | 204      | 0.596     | 166      | 0.752     | 4                        | 25                       | Low       |
| Samuil                      | 0.722                 | 260                  | 0.826           | 216            | 0.958          | 219           | 0.914     | 226      | 0.559     | 215      | 0.732     | 5                        | 25                       | Low       |
| Zavet                       | 0.751                 | 184                  | 0.830           | 211            | 0.959          | 215           | 0.916     | 218      | 0.525     | 248      | 0.731     | 6                        | 25                       | Low       |
| Kubrat                      | 0.729                 | 255                  | 0.832           | 203            | 0.966          | 196           | 0.921     | 197      | 0.537     | 238      | 0.729     | 7                        | 25                       | Low       |
| <b>District Pazardjik</b>   |                       |                      |                 |                |                |               |           |          |           |          |           |                          |                          |           |
| Panagurishte                | 0.786                 | 45                   | 0.846           | 174            | 0.992          | 41            | 0.943     | 117      | 0.647     | 103      | 0.792     | 1                        | 26                       | High      |
| Bratizgovo                  | 0.767                 | 121                  | 0.814           | 231            | 0.978          | 141           | 0.923     | 190      | 0.684     | 62       | 0.791     | 2                        | 26                       | High      |

| District / Municipality  | Life expectancy index | Life expectancy rank | Enrolment index | Enrolment rank | Literacy index | Literacy rank | CEI index    | CEI rank   | GDP index    | GDP rank   | GDP index    | HDI rank in the district | HDI rank of the district | HDI level |
|--------------------------|-----------------------|----------------------|-----------------|----------------|----------------|---------------|--------------|------------|--------------|------------|--------------|--------------------------|--------------------------|-----------|
| Pazardjik                | 0.768                 | <b>114</b>           | 0.865           | 122            | 0.970          | 184           | 0.935        | <b>150</b> | 0.659        | <b>87</b>  | 0.787        | <b>3</b>                 | <b>26</b>                | Medium    |
| Strelcha                 | 0.776                 | <b>84</b>            | 0.807           | 235            | 0.993          | 24            | 0.931        | <b>165</b> | 0.626        | <b>126</b> | 0.778        | <b>4</b>                 | <b>26</b>                | Medium    |
| Batak                    | 0.743                 | <b>218</b>           | 0.870           | 109            | 0.972          | 174           | 0.938        | <b>136</b> | 0.639        | <b>109</b> | 0.773        | <b>5</b>                 | <b>26</b>                | Medium    |
| Belovo                   | 0.770                 | <b>107</b>           | 0.802           | 238            | 0.991          | 45            | 0.928        | <b>178</b> | 0.595        | <b>168</b> | 0.764        | <b>6</b>                 | <b>26</b>                | Medium    |
| Velingrad                | 0.772                 | <b>97</b>            | 0.851           | 166            | 0.969          | 187           | 0.930        | <b>171</b> | 0.562        | <b>210</b> | 0.755        | <b>7</b>                 | <b>26</b>                | Low       |
| Peshtera                 | 0.775                 | <b>88</b>            | 0.792           | 243            | 0.964          | 206           | 0.907        | <b>236</b> | 0.538        | <b>236</b> | 0.740        | <b>8</b>                 | <b>26</b>                | Low       |
| Lesichovo                | 0.739                 | <b>237</b>           | 0.793           | 241            | 0.976          | 154           | 0.915        | <b>222</b> | 0.562        | <b>210</b> | 0.739        | <b>9</b>                 | <b>26</b>                | Low       |
| Rakitovo                 | 0.737                 | <b>243</b>           | 0.799           | 240            | 0.974          | 163           | 0.915        | <b>220</b> | 0.555        | <b>218</b> | 0.736        | <b>10</b>                | <b>26</b>                | Low       |
| Septemvri                | 0.743                 | <b>215</b>           | 0.803           | 237            | 0.976          | 153           | 0.918        | <b>214</b> | 0.518        | <b>251</b> | 0.726        | <b>11</b>                | <b>26</b>                | Low       |
| <b>Silistra District</b> |                       |                      |                 |                |                |               |              |            |              |            |              |                          |                          |           |
| Kaynardja                | 0.741                 | <b>229</b>           | 0.781           | 249            | 0.943          | 244           | 0.889        | <b>254</b> | 0.789        | <b>8</b>   | 0.806        | <b>1</b>                 | <b>27</b>                | High      |
| Tutrakan                 | 0.756                 | <b>164</b>           | 0.801           | 239            | 0.965          | 202           | 0.910        | <b>231</b> | 0.696        | <b>51</b>  | 0.787        | <b>2</b>                 | <b>27</b>                | Medium    |
| Silistra                 | 0.739                 | <b>238</b>           | 0.852           | 161            | 0.986          | 85            | 0.941        | <b>125</b> | 0.675        | <b>67</b>  | 0.785        | <b>3</b>                 | <b>27</b>                | Medium    |
| Glavitiza                | 0.741                 | <b>228</b>           | 0.782           | 247            | 0.939          | 246           | 0.887        | <b>255</b> | 0.627        | <b>124</b> | 0.751        | <b>4</b>                 | <b>27</b>                | Low       |
| Alfatar                  | 0.729                 | <b>256</b>           | 0.792           | 242            | 0.945          | 240           | 0.894        | <b>252</b> | 0.627        | <b>122</b> | 0.750        | <b>5</b>                 | <b>27</b>                | Low       |
| Sitovo                   | 0.729                 | <b>257</b>           | 0.778           | 251            | 0.931          | 251           | 0.880        | <b>258</b> | 0.582        | <b>182</b> | 0.730        | <b>6</b>                 | <b>27</b>                | Low       |
| Dulovo                   | 0.747                 | <b>198</b>           | 0.783           | 245            | 0.915          | 259           | 0.871        | <b>260</b> | 0.509        | <b>254</b> | 0.709        | <b>7</b>                 | <b>27</b>                | Low       |
| <b>Sliven District</b>   |                       |                      |                 |                |                |               |              |            |              |            |              |                          |                          |           |
| Sliven                   | 0.742                 | <b>222</b>           | 0.823           | 221            | 0.967          | 193           | 0.919        | <b>211</b> | 0.668        | <b>76</b>  | 0.777        | <b>1</b>                 | <b>28</b>                | Medium    |
| Nova Zagora              | 0.735                 | <b>248</b>           | 0.791           | 244            | 0.964          | 207           | 0.906        | <b>238</b> | 0.572        | <b>193</b> | 0.738        | <b>2</b>                 | <b>28</b>                | Low       |
| Tvarditza                | 0.722                 | <b>261</b>           | 0.758           | 260            | 0.914          | 260           | 0.862        | <b>262</b> | 0.544        | <b>230</b> | 0.709        | <b>3</b>                 | <b>28</b>                | Low       |
| Kotel                    | 0.725                 | <b>259</b>           | 0.761           | 259            | 0.919          | 256           | 0.866        | <b>261</b> | 0.487        | <b>259</b> | 0.693        | <b>4</b>                 | <b>28</b>                | Low       |
|                          |                       |                      |                 |                |                |               |              |            |              |            |              |                          |                          |           |
| <i>Min</i>               | <i>0.714</i>          |                      | <i>0.727</i>    |                | <i>0.905</i>   |               | <i>0.862</i> |            | <i>0.452</i> |            | <i>0.693</i> |                          |                          |           |
| <i>Max</i>               | <i>0.833</i>          |                      | <i>0.993</i>    |                | <i>0.999</i>   |               | <i>0.988</i> |            | <i>0.893</i> |            | <i>0.879</i> |                          |                          |           |
| <i>Average</i>           | <i>0.765</i>          |                      | <i>0.863</i>    |                | <i>0.974</i>   |               | <i>0.937</i> |            | <i>0.630</i> |            | <i>0.777</i> |                          |                          |           |
| <i>St.Dev.</i>           | <i>0.021</i>          |                      | <i>0.046</i>    |                | <i>0.019</i>   |               | <i>0.023</i> |            | <i>0.078</i> |            | <i>0.031</i> |                          |                          |           |

## Descriptive municipal variables\*

| Municipality<br>(By alphabetical<br>order) | Municipal HDI 2002 | Level of HDI 2002 | LEI rank 2002 | CEI rank 2002 | GDP rank 2002 | Share of homes without<br>running water 2001 | Share of homes without<br>sanitation system 2001 | Share of homes without in-<br>house lavatory 2001 | Share of homes with access of<br>30" to the municipality centre | Turks% 2001 | Roma% 2001 | Total incomes BGL 2000 | Total subsidies BGL 2000 | Share of subsidies in the<br>incomes 2000 | Population census 2001 |
|--|--------------------|-------------------|---------------|---------------|---------------|--|--|---|---|-------------|------------|------------------------|--------------------------|---|------------------------|
| Aitos                                      | 0.761              | Low               | 202           | 219           | 130           | 14.7   | 17.3   | 48.5  | 90.9  | 31.6        | 10.4       | 4950646                | 2841915                  | 57.4                                      | 30549                  |
| Aksakovo                                   | 0.766              | Medium            | 130           | 174           | 152           | 20.5   | 30.2   | 64.6  | 87.7  | 1.4         | 4.5        | 4330515                | 1546533                  | 35.7                                      | 19118                  |
| Alfatar                                    | 0.750              | Low               | 256           | 252           | 122           | 17.9   | 21.8   | 94.2  | 100.0   | 14.8        | 7.1        | 823481                 | 620709                   | 75.4                                      | 3990                   |
| Anton                                      | 0.815              | High              | 10            | 205           | 36            | 7.5  | 17.0   | 55.4  | 100.0   | 0.3         | 2.9        | 395089                 | 313126                   | 79.3                                      | 1806                   |
| Antonovo                                   | 0.750              | Low               | 86            | 234           | 206           | 42.7   | 67.5   | 89.1  | 74.6  | 51.2        | 11.9       | 2427240                | 1938303                  | 79.9                                      | 7593                   |
| Apriltzi                                   | 0.812              | High              | 33            | 8             | 78            | 20.7   | 33.0   | 73.0  | 100.0   | 0.8         | 0.1        | 807963                 | 430847                   | 53.3                                      | 4137                   |
| Ardino                                     | 0.785              | Medium            | 34            | 233           | 93            | 47.6   | 55.3   | 73.3  | 75.5  | 64.4        | 0.0        | 4207502                | 3280788                  | 78.0                                      | 13649                  |
| Assenovgrad                                | 0.781              | Medium            | 16            | 146           | 146           | 2.6  | 3.8  | 11.0  | 86.5  | 21.8        | 1.6        | 13319725               | 5657885                  | 42.5                                      | 67235                  |
| Avren                                      | 0.752              | Low               | 191           | 185           | 186           | 25.2   | 29.5   | 76.9  | 71.2  | 18.5        | 8.6        | 1793646                | 1324945                  | 73.9                                      | 8714                   |
| Balchik                                    | 0.793              | High              | 216           | 208           | 39            | 15.6   | 18.2   | 45.2  | 64.7  | 16.2        | 12.4       | 6201607                | 261689                   | 4.2                                       | 22354                  |
| Banite                                     | 0.779              | Medium            | 61            | 149           | 131           | 20.5   | 31.5   | 73.5  | 64.5  | 2.0         | 0.0        | 1743131                | 1281942                  | 73.5                                      | 6765                   |
| Bansko                                     | 0.794              | High              | 70            | 25            | 110           | 4.2  | 8.0  | 25.1  | 62.2  | 0.1         | 2.6        | 2890755                | 1482634                  | 51.3                                      | 13980                  |
| Batak                                      | 0.773              | Medium            | 218           | 136           | 109           | 3.9  | 5.0  | 26.8  | 86.5  | 37.9        | 2.1        | 1855597                | 920465                   | 49.6                                      | 7189                   |
| Belene                                     | 0.786              | Medium            | 104           | 49            | 115           | 5.0  | 7.7  | 53.5  | 88.3  | 4.6         | 1.5        | 2658683                | 854244                   | 32.1                                      | 12581                  |
| Belitza                                    | 0.807              | High              | 94            | 212           | 31            | 25.6   | 33.2   | 60.7  | 86.4  | 49.4        | 2.4        | 2238669                | 1643854                  | 73.4                                      | 9620                   |
| Belogradchik                               | 0.818              | High              | 155           | 66            | 21            | 35.9   | 47.4   | 60.6  | 80.6  | 0.0         | 13.1       | 2523720                | 1846029                  | 73.1                                      | 8217                   |
| Beloslav                                   | 0.826              | High              | 159           | 116           | 12            | 6.4  | 12.3   | 45.4  | 100.0   | 8.2         | 1.2        | 5873199                | 3170440                  | 54.0                                      | 11131                  |
| Belovo                                     | 0.764              | Medium            | 107           | 178           | 168           | 3.5  | 11.5   | 45.8  | 100.0   | 0.0         | 2.6        | 2689044                | 1035614                  | 38.5                                      | 11069                  |
| Berkovitz                                  | 0.811              | High              | 153           | 67            | 34            | 17.7   | 23.1   | 58.9  | 87.2  | 0.1         | 13.8       | 4827559                | 2849513                  | 59.0                                      | 22664                  |
| Biala - Ruse                               | 0.747              | Low               | 170           | 105           | 234           | 5.2  | 8.9  | 65.1  | 92.5  | 6.1         | 8.7        | 3522861                | 1985709                  | 56.4                                      | 17004                  |
| Biala - Varna                              | 0.803              | High              | 205           | 160           | 24            | 15.8   | 18.9   | 62.0  | 30.5  | 12.7        | 7.4        | 1409864                | 1135654                  | 80.6                                      | 3413                   |
| Blagoevgrad                                | 0.827              | High              | 54            | 16            | 32            | 11.2   | 14.0   | 19.0  | 96.9  | 0.1         | 2.6        | 20580784               | 651694                   | 3.2                                       | 78133                  |
| Boboshevo                                  | 0.780              | Medium            | 150           | 52            | 125           | 21.4   | 50.7   | 79.8  | 100.0   | 0.0         | 0.0        | 866001                 | 630801                   | 72.8                                      | 3695                   |
| Bobovdol                                   | 0.860              | High              | 147           | 42            | 4             | 12.2   | 29.9   | 58.7  | 93.3  | 0.6         | 1.9        | 5092894                | 784005                   | 15.4                                      | 11755                  |
| Bojurishte                                 | 0.801              | High              | 15            | 206           | 60            | 24.5   | 29.8   | 57.9  | 96.7  | 0.3         | 0.4        | 1512653                | 34994                    | 2.3                                       | 7985                   |
| Bolyarovo                                  | 0.768              | Medium            | 249           | 156           | 113           | 35.1   | 67.3   | 84.1  | 67.4  | 0.3         | 6.9        | 1728358                | 748113                   | 43.3                                      | 5638                   |
| Borino                                     | 0.821              | High              | 1             | 98            | 63            | 2.9  | 14.0   | 32.8  | 80.3  | 61.5        | 0.0        | 1212384                | 912176                   | 75.2                                      | 4109                   |
| Borovan                                    | 0.755              | Low               | 177           | 47            | 220           | 33.6   | 44.7   | 96.1  | 100.0   | 0.2         | 9.9        | 1836805                | 1428910                  | 77.8                                      | 7150                   |
| Borovo                                     | 0.751              | Low               | 113           | 84            | 241           | 5.1  | 7.2  | 90.2  | 71.8  | 19.0        | 12.4       | 1762842                | 1212737                  | 68.8                                      | 7905                   |
| Botevgrad                                  | 0.820              | High              | 137           | 162           | 17            | 13.3   | 19.3   | 41.8  | 96.6  | 0.1         | 7.8        | 8276055                | 2998827                  | 36.2                                      | 35939                  |
| Boychinovtzi                               | 0.767              | Medium            | 210           | 74            | 153           | 25.0   | 28.9   | 94.7  | 61.8  | 0.3         | 16.9       | 2483776                | 1848578                  | 74.4                                      | 12258                  |
| Boynitza                                   | 0.780              | Medium            | 258           | 17            | 105           | 78.9   | 83.9   | 98.6  | 67.8  | 0.0         | 0.1        | 728160                 | 628134                   | 86.3                                      | 2270                   |
| Bratya Daskalovi                           | 0.791              | High              | 22            | 175           | 101           | 24.2   | 44.8   | 91.5  | 57.3  | 8.8         | 11.3       | 2077422                | 1447994                  | 69.7                                      | 11065                  |
| Bratzigovo                                 | 0.791              | High              | 121           | 190           | 62            | 8.0  | 18.1   | 55.3  | 100.0   | 7.0         | 2.1        | 2132729                | 1393333                  | 65.3                                      | 11596                  |
| Bregovo                                    | 0.785              | Medium            | 197           | 44            | 99            | 41.1   | 45.3   | 90.8  | 90.7  | 0.1         | 1.9        | 2281677                | 1867012                  | 81.8                                      | 7515                   |
| Breznik                                    | 0.784              | Medium            | 40            | 33            | 160           | 35.5   | 52.0   | 80.1  | 84.1  | 0.0         | 1.6        | 1528445                | 1060656                  | 69.4                                      | 8532                   |
| Brezovo                                    | 0.769              | Medium            | 188           | 40            | 169           | 9.8  | 26.5   | 34.4  | 58.0  | 0.4         | 13.2       | 1566376                | 952523                   | 60.8                                      | 8837                   |
| Brusartzi                                  | 0.764              | Medium            | 251           | 85            | 147           | 36.7   | 44.1   | 95.8  | 99.0  | 0.0         | 17.5       | 1790270                | 1381075                  | 77.1                                      | 6826                   |
| Burgas                                     | 0.826              | High              | 108           | 38            | 19            | 3.8  | 5.1  | 9.8   | 96.3  | 3.8         | 1.3        | 66091918               | 15556200                 | 23.5                                      | 209417                 |
| Byala Slatina                              | 0.748              | Low               | 217           | 53            | 226           | 28.8   | 34.4   | 75.4  | 76.3  | 3.1         | 14.2       | 6993868                | 4925886                  | 70.4                                      | 31292                  |
| Chavdar                                    | 0.814              | High              | 19            | 223           | 29            | 18.5   | 19.8   | 54.8  | 100.0   | 0.0         | 0.4        | 367668                 | 209216                   | 56.9                                      | 1422                   |
| Chelopech                                  | 0.879              | High              | 6             | 79            | 2             | 13.5   | 15.3   | 43.9  | 100.0   | 0.7         | 4.1        | 852482                 | -330000                  | -38.7                                     | 1710                   |
| Chepelare                                  | 0.817              | High              | 5             | 4             | 86            | 2.0  | 3.2  | 3.9   | 66.7  | 0.3         | 0.6        | 2893338                | 1172399                  | 40.5                                      | 9232                   |
| Chernoochene                               | 0.782              | Medium            | 4             | 259           | 89            | 66.6   | 72.5   | 94.6  | 86.5  | 97.3        | 0.0        | 2352013                | 1749059                  | 74.4                                      | 10567                  |
| Cherven Bryag                              | 0.746              | Low               | 168           | 88            | 239           | 17.3   | 20.4   | 64.1  | 75.1  | 1.5         | 4.7        | 6644898                | 3848351                  | 57.9                                      | 35561                  |
| Chiprovtsi                                 | 0.787              | Medium            | 112           | 68            | 107           | 26.7   | 34.3   | 80.3  | 25.3  | 0.0         | 0.7        | 1296720                | 1001581                  | 77.2                                      | 4988                   |

| Municipality<br>(By alphabetical<br>order) | Municipal HDI 2002 | Level of HDI 2002 | LEI rank 2002 | CEI rank 2002 | GDP rank 2002 | Share of homes without<br>running water 2001 | Share of homes without<br>sanitation system 2001 | Share of homes without in-<br>house lavatory 2001 | Share of homes with access of<br>30° to the municipality centre | Turks% 2001 | Roma% 2001 | Total incomes BGL 2000 | Total subsidies BGL 2000 | Share of subsidies in the<br>incomes 2000 | Population census 2001 |
|--|--------------------|-------------------|---------------|---------------|---------------|--|--|---|---|-------------|------------|------------------------|--------------------------|---|------------------------|
| Chirpan                                    | 0.761              | Low               | 90            | 130           | 202           | 13.1   | 21.0   | 57.6  | 86.3  | 8.1         | 5.9        | 5422370                | 3135851                  | 57.8                                      | 26264                  |
| Chuprene                                   | 0.763              | Medium            | 239           | 95            | 156           | 30.4   | 41.8   | 96.6  | 58.5  | 0.0         | 11.7       | 772778                 | 595252                   | 77.0                                      | 3004                   |
| Dalgopol                                   | 0.760              | Low               | 62            | 201           | 187           | 17.9   | 29.1   | 83.4  | 70.4  | 42.8        | 6.5        | 2741308                | 1939971                  | 70.8                                      | 15901                  |
| Devin                                      | 0.781              | Medium            | 71            | 83            | 135           | 5.8  | 8.4  | 33.6  | 73.3  | 14.9        | 0.5        | 3989699                | 2681905                  | 67.2                                      | 15010                  |
| Devnya                                     | 0.825              | High              | 182           | 140           | 9             | 5.7  | 10.7   | 44.7  | 100.0   | 8.4         | 7.2        | 4716809                | -400000                  | -8.5                                      | 9683                   |
| Dimitrovgrad                               | 0.771              | Medium            | 133           | 124           | 145           | 7.7  | 14.3   | 30.9  | 84.6  | 1.7         | 7.4        | 12495493               | 3688348                  | 29.5                                      | 64852                  |
| Dimovo                                     | 0.788              | High              | 207           | 104           | 68            | 46.8   | 57.7   | 95.3  | 58.2  | 0.2         | 10.5       | 2400262                | 1921340                  | 80.0                                      | 8783                   |
| Djebel                                     | 0.741              | Low               | 139           | 244           | 216           | 54.8   | 57.9   | 85.0  | 72.2  | 77.1        | 0.0        | 2044868                | 1690485                  | 82.7                                      | 8661                   |
| Dobrich – city                             | 0.814              | High              | 129           | 51            | 35            | 4.1  | 5.3  | 13.9  | 100.0   | 8.0         | 3.6        | 20800130               | 8065051                  | 38.8                                      | 100000                 |
| Dobrich - rural                            | 0.740              | Low               | 252           | 247           | 176           | 28.3   | 33.2   | 88.4  | 38.5  | 16.1        | 19.7       | 5060058                | 3506568                  | 69.3                                      | 25721                  |
| Dolna Banya                                | 0.750              | Low               | 143           | 235           | 183           | 3.3  | 6.0  | 26.2  | 100.0   | 0.0         | 15.1       | 927897                 | 659688                   | 71.1                                      | 4787                   |
| Dolna Mitropoliya                          | 0.769              | Medium            | 145           | 133           | 150           | 16.3   | 18.4   | 91.4  | 70.1  | 4.1         | 5.5        | 4917895                | 3209989                  | 65.3                                      | 25311                  |
| Dolni Chiflik                              | 0.767              | Medium            | 195           | 227           | 108           | 15.8   | 27.8   | 79.4  | 77.3  | 26.7        | 3.6        | 3536826                | 2522361                  | 71.3                                      | 20217                  |
| Dolni Dabnik                               | 0.756              | Low               | 172           | 176           | 177           | 13.2   | 16.1   | 88.8  | 67.4  | 10.0        | 5.3        | 3155708                | 2015373                  | 63.9                                      | 15701                  |
| Dospat                                     | 0.754              | Low               | 3             | 55            | 257           | 1.9  | 3.8  | 12.1  | 80.6  | 2.6         | 1.7        | 2343669                | 1442999                  | 61.6                                      | 10276                  |
| Dragoman                                   | 0.799              | High              | 73            | 224           | 45            | 42.2   | 61.5   | 79.5  | 82.6  | 0.1         | 0.8        | 1824884                | 533710                   | 29.2                                      | 6632                   |
| Dryanovo                                   | 0.798              | High              | 52            | 2             | 119           | 12.1   | 17.3   | 47.7  | 98.3  | 8.0         | 1.8        | 2699609                | 1759749                  | 65.2                                      | 11705                  |
| Dulovo                                     | 0.709              | Low               | 198           | 260           | 254           | 14.3   | 19.9   | 87.8  | 22.7  | 68.2        | 9.1        | 6913773                | 5607265                  | 81.1                                      | 30591                  |
| Dupnitsa                                   | 0.775              | Medium            | 185           | 7             | 164           | 6.7  | 13.6   | 20.8  | 100.0   | 0.0         | 5.5        | 11492426               | 4670658                  | 40.6                                      | 51471                  |
| Dve Mogili                                 | 0.745              | Low               | 221           | 139           | 219           | 5.9  | 6.9  | 87.0  | 46.2  | 27.8        | 12.6       | 2228027                | 1403721                  | 63.0                                      | 12116                  |
| Elena                                      | 0.764              | Medium            | 152           | 107           | 174           | 37.0   | 45.1   | 68.7  | 69.5  | 15.6        | 6.1        | 3069747                | 2010778                  | 65.5                                      | 11339                  |
| Elhovo                                     | 0.757              | Low               | 209           | 56            | 201           | 16.2   | 35.6   | 53.3  | 85.3  | 0.3         | 8.2        | 4477086                | 2448389                  | 54.7                                      | 20552                  |
| Elin Pelin                                 | 0.793              | High              | 91            | 203           | 99            | 12.6   | 20.3   | 39.3  | 88.7  | 0.7         | 3.6        | 4379885                | 1846278                  | 42.2                                      | 24072                  |
| Etropole                                   | 0.789              | High              | 27            | 191           | 98            | 12.3   | 19.7   | 42.0  | 94.6  | 0.2         | 1.4        | 4757049                | 2846140                  | 59.8                                      | 13733                  |
| Gabrovo                                    | 0.819              | High              | 24            | 11            | 56            | 5.0  | 12.3   | 21.0  | 98.8  | 1.2         | 0.6        | 15597969               | 5241357                  | 33.6                                      | 74930                  |
| Galabovo                                   | 0.839              | High              | 158           | 114           | 5             | 12.8   | 30.5   | 20.9  | 81.9  | 0.5         | 4.8        | 5415060                | -1850000                 | -34.2                                     | 16182                  |
| Garmen                                     | 0.731              | Low               | 48            | 199           | 260           | 11.0   | 17.1   | 53.0  | 81.5  | 30.4        | 8.4        | 2782614                | 2232126                  | 80.2                                      | 14934                  |
| General Toshevo                            | 0.749              | Low               | 203           | 217           | 179           | 19.5   | 22.8   | 77.8  | 64.4  | 8.8         | 10.2       | 3877983                | 1148019                  | 29.6                                      | 19422                  |
| Georgi Damyanovo                           | 0.786              | Medium            | 122           | 14            | 137           | 22.1   | 31.4   | 94.3  | 51.5  | 0.0         | 4.7        | 1062665                | 836016                   | 78.7                                      | 4461                   |
| Glavinitsa                                 | 0.751              | Low               | 228           | 255           | 124           | 22.6   | 29.9   | 94.3  | 56.8  | 63.1        | 4.5        | 3073483                | 2396344                  | 78.0                                      | 13848                  |
| Godech                                     | 0.781              | Medium            | 17            | 137           | 148           | 28.4   | 42.6   | 70.0  | 87.8  | 0.0         | 0.6        | 1383880                | 685378                   | 49.5                                      | 6604                   |
| Gorna Malina                               | 0.780              | Medium            | 167           | 195           | 83            | 16.3   | 27.7   | 51.4  | 84.8  | 0.1         | 7.6        | 1319506                | 587549                   | 44.5                                      | 7062                   |
| Gorna Oriahovitsa                          | 0.782              | Medium            | 110           | 9             | 159           | 7.4  | 9.5  | 34.4  | 88.8  | 5.9         | 2.0        | 10515188               | 4052575                  | 38.5                                      | 53131                  |
| Gotze Delchev                              | 0.788              | High              | 28            | 36            | 144           | 4.7  | 9.0  | 30.5  | 81.8  | 25.6        | 1.4        | 7127058                | 4016311                  | 56.4                                      | 32571                  |
| Gramada                                    | 0.804              | High              | 213           | 76            | 37            | 34.3   | 45.2   | 55.8  | 100.0   | 0.0         | 1.7        | 671205                 | 474742                   | 70.7                                      | 3196                   |
| Gulyantzi                                  | 0.761              | Low               | 93            | 111           | 208           | 16.1   | 18.1   | 95.1  | 71.9  | 2.7         | 0.5        | 3164533                | 2180047                  | 68.9                                      | 16752                  |
| Gurkovo                                    | 0.829              | High              | 230           | 159           | 6             | 21.3   | 29.8   | 81.0  | 100.0   | 6.6         | 6.8        | 1340846                | 1025493                  | 76.5                                      | 5676                   |
| Hadjidimovo                                | 0.776              | Medium            | 2             | 134           | 196           | 7.1  | 13.4   | 14.9  | 84.3  | 17.7        | 1.9        | 2675917                | 2231952                  | 83.4                                      | 10926                  |
| Harmanli                                   | 0.752              | Low               | 171           | 168           | 195           | 16.3   | 25.6   | 49.9  | 87.1  | 8.7         | 6.8        | 6254064                | 4130355                  | 66.0                                      | 27547                  |
| Haskovo                                    | 0.795              | High              | 76            | 99            | 84            | 11.4   | 16.8   | 32.0  | 94.1  | 18.9        | 3.4        | 23886554               | 10310326                 | 43.2                                      | 99181                  |
| Hayredin                                   | 0.758              | Low               | 214           | 62            | 189           | 30.2   | 31.9   | 94.3  | 70.9  | 0.2         | 6.1        | 1675711                | 1352239                  | 80.7                                      | 6985                   |
| Hisarya                                    | 0.771              | Medium            | 115           | 110           | 162           | 13.4   | 33.5   | 29.2  | 68.2  | 1.7         | 3.3        | 2419927                | 1009179                  | 41.7                                      | 15666                  |
| Hitrino                                    | 0.775              | Medium            | 146           | 154           | 121           | 32.7   | 40.3   | 96.5  | 61.3  | 81.5        | 0.6        | 1885252                | 1415810                  | 75.1                                      | 7045                   |
| Ihtiman                                    | 0.743              | Low               | 169           | 245           | 194           | 30.2   | 35.0   | 57.5  | 87.1  | 0.7         | 19.8       | 4315771                | 1413404                  | 32.7                                      | 19303                  |
| Iskar                                      | 0.756              | Low               | 80            | 93            | 232           | 17.1   | 19.3   | 96.5  | 100.0   | 0.8         | 2.1        | 2410875                | 1946129                  | 80.7                                      | 9107                   |
| Isperih                                    | 0.752              | Low               | 233           | 204           | 166           | 21.2   | 24.0   | 81.4  | 86.7  | 59.7        | 8.8        | 6010101                | 3886731                  | 64.7                                      | 25287                  |
| Ivanovo                                    | 0.770              | Medium            | 175           | 122           | 138           | 10.3   | 12.3   | 83.2  | 61.0  | 12.2        | 3.9        | 2045707                | 1256560                  | 61.4                                      | 11092                  |
| Ivaylovgrad                                | 0.780              | Medium            | 64            | 127           | 132           | 27.2   | 41.8   | 64.5  | 68.0  | 11.6        | 1.0        | 1933622                | 1289485                  | 66.7                                      | 8107                   |
| Kaloyanovo                                 | 0.765              | Medium            | 89            | 151           | 178           | 20.4   | 31.1   | 85.3  | 75.0  | 3.2         | 5.5        | 2461590                | 1501202                  | 61.0                                      | 13649                  |

| Municipality<br>(By alphabetical<br>order) | Municipal HDI 2002 | Level of HDI 2002 | LEI rank 2002 | CEI rank 2002 | GDP rank 2002 | Share of homes without<br>running water 2001 | Share of homes without<br>sanitation system 2001 | Share of homes without in-<br>house lavatory 2001 | Share of homes with access of<br>30° to the municipality centre | Turks% 2001 | Roma% 2001 | Total incomes BGL 2000 | Total subsidies BGL 2000 | Share of subsidies in the<br>incomes 2000 | Population census 2001 |
|--|--------------------|-------------------|---------------|---------------|---------------|--|--|---|---|-------------|------------|------------------------|--------------------------|---|------------------------|
| Kameno                                     | 0.807              | High              | 227           | 246           | 10            | 14.6   | 26.2   | 69.0  | 64.3  | 3.4         | 6.7        | 5717175                | -510401                  | -8.9                                      | 12453                  |
| Kaolinovo                                  | 0.720              | Low               | 187           | 194           | 258           | 21.4   | 28.4   | 96.2  | 94.4  | 79.5        | 10.5       | 2827061                | 2065279                  | 73.1                                      | 12544                  |
| Kardjali                                   | 0.799              | High              | 12            | 188           | 70            | 24.7   | 28.2   | 41.1  | 90.0  | 53.3        | 1.4        | 18503142               | 10835071                 | 58.6                                      | 69830                  |
| Karlovo                                    | 0.758              | Low               | 142           | 121           | 200           | 11.3   | 14.7   | 46.2  | 73.4  | 6.2         | 7.5        | 13084261               | 6695233                  | 51.2                                      | 70278                  |
| Karnobat                                   | 0.800              | High              | 224           | 120           | 40            | 21.6   | 30.1   | 53.3  | 84.5  | 10.6        | 5.9        | 6348195                | 3460456                  | 54.5                                      | 29871                  |
| Kaspichan                                  | 0.784              | Medium            | 226           | 187           | 54            | 19.9   | 23.9   | 76.7  | 76.5  | 14.2        | 11.0       | 3037320                | 2049904                  | 67.5                                      | 9808                   |
| Kavarna                                    | 0.740              | Low               | 196           | 184           | 229           | 15.2   | 17.8   | 52.9  | 87.1  | 4.2         | 12.3       | 4074584                | 2074027                  | 50.9                                      | 16688                  |
| Kaynardja                                  | 0.806              | High              | 229           | 254           | 8             | 30.5   | 42.4   | 98.8  | 37.8  | 42.9        | 13.1       | 1738311                | 1530779                  | 85.8                                      | 5467                   |
| Kazanlak                                   | 0.797              | High              | 119           | 39            | 81            | 9.0  | 11.5   | 32.1  | 96.5  | 8.0         | 5.0        | 15937416               | 7150280                  | 44.9                                      | 81533                  |
| Kirkovo                                    | 0.748              | Low               | 102           | 242           | 199           | 26.2   | 50.0   | 91.4  | 63.3  | 52.9        | 0.4        | 6111305                | 4901898                  | 80.2                                      | 24220                  |
| Kiustendil                                 | 0.806              | High              | 103           | 3             | 77            | 13.2   | 23.8   | 44.9  | 96.7  | 0.1         | 6.9        | 15057223               | 7704612                  | 51.2                                      | 70573                  |
| Kneja                                      | 0.806              | High              | 69            | 89            | 53            | 18.3   | 21.7   | 85.7  | 100.0   | 3.7         | 6.6        | 4074949                | 2799827                  | 68.7                                      | 17079                  |
| Kocherinovo                                | 0.797              | High              | 95            | 37            | 91            | 16.7   | 47.1   | 81.9  | 96.3  | 0.1         | 1.8        | 1463997                | 1163328                  | 79.5                                      | 6607                   |
| Koprivshtitza                              | 0.776              | Medium            | 31            | 109           | 172           | 3.2  | 3.9  | 24.0  | 100.0   | 0.1         | 0.0        | 764203                 | 378369                   | 49.5                                      | 2669                   |
| Kostenetz                                  | 0.766              | Medium            | 181           | 97            | 163           | 9.1  | 22.1   | 56.0  | 99.7  | 0.0         | 2.4        | 2785045                | 1384942                  | 49.7                                      | 15142                  |
| Kostinbrod                                 | 0.785              | Medium            | 63            | 192           | 95            | 28.2   | 35.8   | 62.5  | 96.5  | 0.0         | 1.5        | 3112962                | 696072                   | 22.4                                      | 18015                  |
| Kotel                                      | 0.693              | Low               | 259           | 261           | 259           | 30.4   | 37.7   | 76.0  | 43.1  | 29.4        | 27.5       | 5156797                | 3999283                  | 77.6                                      | 21645                  |
| Kovachevtzi                                | 0.801              | High              | 208           | 43            | 48            | 46.4   | 48.4   | 91.2  | 100.0   | 0.0         | 0.0        | 750720                 | 647761                   | 86.3                                      | 2155                   |
| Kozloduy                                   | 0.859              | High              | 200           | 34            | 3             | 17.4   | 18.8   | 51.1  | 100.0   | 0.3         | 7.3        | 7693405                | -6550000                 | -85.1                                     | 24367                  |
| Kresna                                     | 0.755              | Low               | 126           | 71            | 225           | 12.1   | 32.0   | 61.2  | 84.2  | 0.0         | 1.6        | 1247524                | 767042                   | 61.5                                      | 6255                   |
| Krichim                                    | 0.747              | Low               | 131           | 177           | 221           | 13.5   | 23.9   | 69.5  | 100.0   | 15.8        | 19.0       | 2203857                | 1343514                  | 61.0                                      | 8535                   |
| Krivodol                                   | 0.752              | Low               | 236           | 112           | 191           | 34.1   | 40.3   | 96.1  | 75.6  | 0.1         | 8.4        | 2166320                | 1635697                  | 75.5                                      | 12274                  |
| Krumovgrad                                 | 0.773              | Medium            | 124           | 253           | 85            | 48.5   | 53.7   | 74.7  | 56.0  | 59.1        | 0.2        | 4589633                | 3386198                  | 73.8                                      | 19907                  |
| Krushari                                   | 0.749              | Low               | 262           | 250           | 112           | 42.8   | 45.3   | 93.2  | 72.2  | 40.5        | 12.3       | 1501183                | 1155128                  | 76.9                                      | 5924                   |
| Kubrat                                     | 0.729              | Low               | 255           | 197           | 238           | 10.1   | 13.1   | 77.1  | 70.8  | 50.5        | 6.2        | 5391577                | 3713939                  | 68.9                                      | 24124                  |
| Kula                                       | 0.771              | Medium            | 192           | 92            | 139           | 54.6   | 64.8   | 87.1  | 85.9  | 0.0         | 0.5        | 1753105                | 1145542                  | 65.3                                      | 6792                   |
| Laki                                       | 0.751              | Low               | 206           | 221           | 141           | 13.9   | 17.8   | 35.5  | 94.1  | 1.5         | 0.3        | 1728841                | 1195556                  | 69.2                                      | 4044                   |
| Lesichovo                                  | 0.739              | Low               | 237           | 222           | 210           | 18.1   | 26.7   | 89.8  | 65.5  | 1.7         | 12.8       | 1237558                | 885331                   | 71.5                                      | 6633                   |
| Letnitsa                                   | 0.737              | Low               | 212           | 148           | 243           | 11.6   | 17.7   | 79.6  | 81.8  | 13.2        | 1.3        | 1253778                | 915943                   | 73.1                                      | 5607                   |
| Levski                                     | 0.775              | Medium            | 98            | 108           | 149           | 8.4  | 10.2   | 67.8  | 79.3  | 11.3        | 5.3        | 5052488                | 2733388                  | 54.1                                      | 25995                  |
| Lom  | 0.776              | Medium            | 223           | 18            | 134           | 26.7   | 30.2   | 61.0  | 96.1  | 0.3         | 18.6       | 11232965               | 8152395                  | 72.6                                      | 35077                  |
| Lovech                                     | 0.808              | High              | 105           | 20            | 57            | 8.9  | 13.8   | 45.5  | 89.8  | 7.1         | 1.6        | 15373208               | 5819616                  | 37.9                                      | 62165                  |
| Loznitsa                                   | 0.762              | Medium            | 250           | 183           | 127           | 31.0   | 32.9   | 90.7  | 74.3  | 50.4        | 8.7        | 2911126                | 2067046                  | 71.0                                      | 15067                  |
| Lukovit                                    | 0.749              | Low               | 138           | 215           | 203           | 24.7   | 30.2   | 84.9  | 75.6  | 4.9         | 11.4       | 3987651                | 2627711                  | 65.9                                      | 21466                  |
| Lyaskovetz                                 | 0.751              | Low               | 173           | 73            | 227           | 8.8  | 15.9   | 51.9  | 84.8  | 1.8         | 3.2        | 2798688                | 1163638                  | 41.6                                      | 15570                  |
| Lyubimetz                                  | 0.814              | High              | 68            | 181           | 23            | 14.3   | 21.6   | 71.9  | 89.9  | 0.6         | 11.4       | 2395137                | 1556479                  | 65.0                                      | 11536                  |
| Madan                                      | 0.752              | Low               | 41            | 57            | 252           | 5.7  | 8.4  | 37.3  | 96.2  | 3.6         | 0.0        | 3835112                | 2623430                  | 68.4                                      | 13812                  |
| Madjarovo                                  | 0.802              | High              | 134           | 228           | 30            | 40.3   | 56.8   | 61.7  | 60.6  | 35.0        | 0.4        | 779328                 | 590108                   | 75.7                                      | 2157                   |
| Maglij                                     | 0.723              | Low               | 180           | 237           | 253           | 20.8   | 26.4   | 77.1  | 96.7  | 4.1         | 21.7       | 2532519                | 1676856                  | 66.2                                      | 12973                  |
| Makresh                                    | 0.783              | Medium            | 235           | 72            | 88            | 45.3   | 62.8   | 98.0  | 48.1  | 0.0         | 2.0        | 645470                 | 518474                   | 80.3                                      | 2550                   |
| Malko Tarnovo                              | 0.798              | High              | 57            | 132           | 66            | 26.1   | 30.4   | 45.2  | 63.8  | 1.6         | 9.0        | 1394945                | 756031                   | 54.2                                      | 4551                   |
| Maritza                                    | 0.745              | Low               | 44            | 179           | 250           | 8.3  | 14.9   | 35.2  | 88.2  | 3.5         | 6.8        | 4587635                | 1916949                  | 41.8                                      | 32332                  |
| Medkovetz                                  | 0.757              | Low               | 245           | 81            | 180           | 42.1   | 45.3   | 95.6  | 31.6  | 0.1         | 15.2       | 1430629                | 1178215                  | 82.4                                      | 5661                   |
| Mezdra                                     | 0.788              | High              | 75            | 48            | 117           | 20.6   | 25.1   | 60.2  | 87.0  | 0.1         | 2.9        | 5375043                | 2880790                  | 53.6                                      | 25879                  |
| Mineralni bani                             | 0.752              | Low               | 13            | 186           | 245           | 40.4   | 46.1   | 81.0  | 83.2  | 51.1        | 4.2        | 2147923                | 1811211                  | 84.3                                      | 6838                   |
| Mirkovo                                    | 0.808              | High              | 246           | 213           | 15            | 12.9   | 22.2   | 63.5  | 81.0  | 0.7         | 5.9        | 1066535                | 299954                   | 28.1                                      | 3179                   |
| Mizia                                      | 0.761              | Low               | 163           | 64            | 192           | 14.6   | 20.6   | 89.1  | 100.0   | 0.1         | 4.8        | 3115987                | 2093507                  | 67.2                                      | 9605                   |
| Momchilgrad                                | 0.743              | Low               | 127           | 248           | 207           | 35.7   | 39.7   | 63.0  | 82.1  | 81.8        | 1.1        | 3979240                | 2492228                  | 62.6                                      | 17185                  |
| Montana                                    | 0.822              | High              | 96            | 12            | 38            | 18.9   | 22.3   | 42.6  | 91.7  | 0.0         | 6.5        | 13902162               | 7711527                  | 55.5                                      | 61422                  |

| Municipality<br>(By alphabetical<br>order) | Municipal HDI 2002 | Level of HDI 2002 | LEI rank 2002 | CEI rank 2002 | GDP rank 2002 | Share of homes without<br>running water 2001 | Share of homes without<br>sanitation system 2001 | Share of homes without in-<br>house lavatory 2001 | Share of homes with access of<br>30° to the municipality centre | Turks% 2001 | Roma% 2001 | Total incomes BGL 2000 | Total subsidies BGL 2000 | Share of subsidies in the<br>incomes 2000 | Population census 2001 |
|--|--------------------|-------------------|---------------|---------------|---------------|--|--|---|---|-------------|------------|------------------------|--------------------------|---|------------------------|
| Nedelino                                   | 0.763              | Medium            | 20            | 103           | 228           | 18.3   | 21.9   | 61.5  | 85.8  | 0.0         | 0.0        | 2581134                | 2243804                  | 86.9                                      | 8715                   |
| Nesebar                                    | 0.783              | Medium            | 58            | 152           | 114           | 4.3  | 6.2  | 25.9  | 76.9  | 5.2         | 2.4        | 7698010                | -379855                  | -4.9                                      | 19113                  |
| Nevestino                                  | 0.822              | High              | 241           | 77            | 11            | 52.1   | 62.6   | 95.0  | 59.3  | 0.0         | 0.2        | 922357                 | 661366                   | 71.7                                      | 4466                   |
| Nikola Kozlevo                             | 0.778              | Medium            | 253           | 225           | 54            | 29.7   | 33.2   | 97.3  | 75.5  | 51.4        | 17.4       | 1846451                | 1436038                  | 77.8                                      | 7157                   |
| Nikolaevno                                 | 0.742              | Low               | 194           | 221           | 209           | 14.5   | 38.1   | 83.0  | 85.6  | 3.6         | 25.4       | 1272776                | 1058823                  | 83.2                                      | 4948                   |
| Nikopol                                    | 0.750              | Low               | 225           | 145           | 198           | 14.0   | 15.0   | 86.6  | 50.8  | 26.5        | 1.0        | 3012094                | 1980506                  | 65.8                                      | 13656                  |
| Nova Zagora                                | 0.738              | Low               | 248           | 238           | 193           | 18.6   | 22.2   | 63.7  | 83.8  | 18.2        | 3.5        | 9192446                | 5973799                  | 65.0                                      | 45754                  |
| Novi Pazar                                 | 0.785              | Medium            | 157           | 126           | 90            | 13.2   | 17.1   | 59.3  | 87.5  | 26.4        | 8.2        | 4430345                | 2860415                  | 64.6                                      | 19559                  |
| Novo selo                                  | 0.800              | High              | 18            | 87            | 94            | 15.9   | 18.0   | 92.8  | 36.7  | 0.1         | 3.1        | 900213                 | 700061                   | 77.8                                      | 4206                   |
| Omurtag                                    | 0.794              | High              | 79            | 230           | 52            | 40.6   | 49.4   | 71.3  | 81.4  | 67.6        | 11.2       | 6711785                | 4903141                  | 73.1                                      | 25212                  |
| Opaka                                      | 0.732              | Low               | 166           | 209           | 249           | 11.0   | 28.1   | 89.0  | 83.5  | 70.8        | 0.1        | 1867540                | 1473027                  | 78.9                                      | 7786                   |
| Opan                                       | 0.783              | Medium            | 43            | 144           | 123           | 35.6   | 59.5   | 85.4  | 100.0   | 0.8         | 7.0        | 801002                 | 578852                   | 72.3                                      | 4142                   |
| Oryahovo                                   | 0.787              | Medium            | 74            | 70            | 120           | 26.8   | 29.5   | 79.9  | 77.2  | 1.1         | 10.2       | 4054457                | 2716019                  | 67.0                                      | 15042                  |
| Panaguirishte                              | 0.792              | High              | 45            | 117           | 103           | 11.2   | 15.7   | 34.3  | 81.9  | 0.1         | 3.6        | 9948271                | 6318939                  | 63.5                                      | 29818                  |
| Parvomay                                   | 0.748              | Low               | 125           | 135           | 235           | 6.8  | 13.6   | 28.6  | 78.3  | 7.6         | 8.7        | 5572726                | 3545287                  | 63.6                                      | 31160                  |
| Pavel Banya                                | 0.748              | Low               | 165           | 172           | 213           | 15.7   | 22.1   | 80.5  | 62.0  | 28.2        | 13.1       | 3002252                | 2070187                  | 69.0                                      | 15891                  |
| Pavlikeni                                  | 0.774              | Medium            | 101           | 59            | 165           | 7.3  | 12.1   | 68.2  | 80.3  | 7.0         | 2.7        | 5757748                | 2802059                  | 48.7                                      | 31312                  |
| Pazardjik                                  | 0.787              | Medium            | 114           | 150           | 87            | 7.1  | 9.8  | 24.0  | 90.5  | 4.8         | 8.3        | 24818284               | 10750680                 | 43.3                                      | 127900                 |
| Pernik                                     | 0.804              | High              | 109           | 5             | 80            | 7.6  | 15.0   | 33.2  | 98.3  | 0.0         | 1.7        | 24727056               | 10502713                 | 42.5                                      | 104625                 |
| Perushtitza                                | 0.755              | Low               | 21            | 155           | 242           | 9.7  | 13.9   | 58.8  | 100.0   | 0.2         | 23.4       | 2069727                | 1431548                  | 69.2                                      | 5387                   |
| Peshtera                                   | 0.740              | Low               | 88            | 236           | 236           | 9.2  | 11.4   | 26.0  | 100.0   | 19.9        | 7.2        | 5771412                | 1910806                  | 33.1                                      | 22037                  |
| Petrich                                    | 0.782              | Medium            | 14            | 128           | 151           | 10.4   | 26.0   | 40.6  | 82.8  | 0.8         | 5.6        | 10660052               | 5217538                  | 48.9                                      | 57689                  |
| Pirdop                                     | 0.819              | High              | 83            | 131           | 20            | 1.5  | 2.0  | 14.1  | 100.0   | 1.2         | 4.2        | 3097453                | 983797                   | 31.8                                      | 9352                   |
| Pleven                                     | 0.819              | High              | 65            | 19            | 44            | 6.5  | 7.4  | 24.3  | 93.1  | 3.6         | 2.5        | 31497814               | 8255414                  | 26.2                                      | 149142                 |
| Plovdiv                                    | 0.819              | High              | 60            | 28            | 41            | 1.1  | 1.3  | 4.1   | 100.0   | 6.7         | 1.5        | 90467795               | 30338615                 | 33.5                                      | 338224                 |
| Polski Trambesh                            | 0.759              | Low               | 178           | 61            | 197           | 8.0  | 11.1   | 82.8  | 78.0  | 11.6        | 5.5        | 3332719                | 1302698                  | 39.1                                      | 18678                  |
| Pomorie                                    | 0.786              | Medium            | 156           | 198           | 65            | 6.1  | 10.7   | 38.2  | 69.9  | 21.7        | 5.8        | 6506109                | 3453088                  | 53.1                                      | 27370                  |
| Popovo                                     | 0.762              | Medium            | 179           | 157           | 161           | 13.3   | 21.6   | 57.6  | 66.6  | 21.9        | 5.0        | 8314135                | 5783671                  | 69.6                                      | 36208                  |
| Pordim                                     | 0.828              | High              | 46            | 24            | 28            | 11.4   | 12.9   | 93.4  | 100.0   | 10.0        | 1.8        | 1709469                | 874411                   | 51.2                                      | 8179                   |
| Pravetz                                    | 0.776              | Medium            | 49            | 113           | 158           | 28.4   | 37.1   | 63.2  | 97.6  | 0.1         | 9.3        | 2984911                | 2095682                  | 70.2                                      | 8995                   |
| Primorsko                                  | 0.792              | High              | 231           | 86            | 58            | 7.1  | 18.9   | 40.5  | 52.5  | 1.1         | 12.9       | 2686539                | 1121381                  | 41.7                                      | 4079                   |
| Provadia                                   | 0.762              | Medium            | 174           | 141           | 167           | 21.0   | 28.7   | 66.2  | 81.2  | 12.1        | 16.9       | 5174769                | 2920118                  | 56.4                                      | 25718                  |
| Radnevo                                    | 0.865              | High              | 148           | 123           | 1             | 15.4   | 28.6   | 46.0  | 86.6  | 1.7         | 5.9        | 7193978                | -5793173                 | -80.5                                     | 24280                  |
| Radomir                                    | 0.781              | Medium            | 151           | 21            | 136           | 26.2   | 36.1   | 65.2  | 79.6  | 0.2         | 2.5        | 4834141                | 2872933                  | 59.4                                      | 24754                  |
| Rakitovo                                   | 0.736              | Low               | 243           | 220           | 218           | 9.8  | 12.8   | 61.6  | 100.0   | 0.5         | 22.5       | 2685837                | 1842913                  | 68.6                                      | 15868                  |
| Rakovski                                   | 0.744              | Low               | 120           | 173           | 240           | 10.4   | 20.9   | 80.1  | 80.3  | 1.2         | 10.8       | 5199701                | 3264755                  | 62.8                                      | 28383                  |
| Razgrad                                    | 0.802              | High              | 190           | 54            | 47            | 9.6  | 11.4   | 43.0  | 90.5  | 29.2        | 3.6        | 16316567               | 8309120                  | 50.9                                      | 58874                  |
| Razlog                                     | 0.781              | Medium            | 9             | 31            | 190           | 6.1  | 9.9  | 30.3  | 85.0  | 0.1         | 5.2        | 5133380                | 3164743                  | 61.7                                      | 22081                  |
| Rila                                       | 0.816              | High              | 254           | 75            | 16            | 2.1  | 18.1   | 49.2  | 87.4  | 0.2         | 2.5        | 1396622                | 955746                   | 68.4                                      | 3844                   |
| Rodopi                                     | 0.774              | Medium            | 7             | 153           | 185           | 12.3   | 17.7   | 48.8  | 96.1  | 9.8         | 4.1        | 7565578                | 3270613                  | 43.2                                      | 40815                  |
| Roman                                      | 0.777              | Medium            | 116           | 78            | 142           | 28.5   | 32.3   | 83.3  | 68.9  | 0.4         | 6.9        | 2358431                | 1836312                  | 77.9                                      | 8148                   |
| Rudozem                                    | 0.776              | Medium            | 23            | 65            | 184           | 5.0  | 6.8  | 23.2  | 96.4  | 1.1         | 0.0        | 2615504                | 1482241                  | 56.7                                      | 10875                  |
| Ruen                                       | 0.694              | Low               | 199           | 256           | 262           | 33.3   | 43.9   | 94.9  | 35.2  | 85.4        | 6.4        | 4325041                | 3493938                  | 80.8                                      | 28833                  |
| Rujintzi                                   | 0.796              | High              | 204           | 96            | 50            | 60.2   | 66.1   | 96.4  | 100.0   | 0.0         | 15.1       | 1619408                | 1302018                  | 80.4                                      | 6061                   |
| Ruse                                       | 0.808              | High              | 99            | 15            | 64            | 6.6  | 7.0  | 19.9  | 97.8  | 8.3         | 1.1        | 44501561               | 17312974                 | 38.9                                      | 178379                 |
| Sadovo                                     | 0.742              | Low               | 85            | 196           | 246           | 11.4   | 23.5   | 73.4  | 100.0   | 3.1         | 11.8       | 2531655                | 1219472                  | 48.2                                      | 16786                  |
| Saedinenie                                 | 0.755              | Low               | 51            | 142           | 231           | 7.7  | 24.9   | 20.5  | 74.2  | 1.6         | 6.9        | 1858331                | 1178842                  | 63.4                                      | 12182                  |
| Samokov                                    | 0.778              | Medium            | 81            | 202           | 111           | 11.9   | 24.1   | 48.9  | 89.3  | 0.1         | 12.0       | 8439866                | 4620728                  | 54.7                                      | 42313                  |
| Samuil                                     | 0.732              | Low               | 260           | 226           | 215           | 30.0   | 32.5   | 97.1  | 56.3  | 78.2        | 4.7        | 2539088                | 1984220                  | 78.1                                      | 8164                   |

| Municipality<br>(By alphabetical<br>order) | Municipal HDI 2002 | Level of HDI 2002 | LEI rank 2002 | CEI rank 2002 | GDP rank 2002 | Share of homes without<br>running water 2001 | Share of homes without<br>sanitation system 2001 | Share of homes without in-<br>house lavatory 2001 | Share of homes with access of<br>30* to the municipality centre | Turks% 2001 | Roma% 2001 | Total incomes BGL 2000 | Total subsidies BGL 2000 | Share of subsidies in the<br>incomes 2000 | Population census 2001 |
|--|--------------------|-------------------|---------------|---------------|---------------|--|--|---|---|-------------|------------|------------------------|--------------------------|---|------------------------|
| Sandanski                                  | 0.801              | High              | 38            | 94            | 75            | 9.5  | 24.3   | 35.7  | 86.8  | 1.6         | 3.1        | 8275043                | 3805797                  | 46.0                                      | 43109                  |
| Sapareva Banya                             | 0.758              | Low               | 82            | 45            | 237           | 4.8  | 53.1   | 75.0  | 100.0   | 0.0         | 2.2        | 1764772                | 1302412                  | 73.8                                      | 8981                   |
| Satovcha                                   | 0.731              | Low               | 53            | 118           | 261           | 7.2  | 13.4   | 11.3  | 55.9  | 17.9        | 2.2        | 3900379                | 3303374                  | 84.7                                      | 17889                  |
| Septemvri                                  | 0.726              | Low               | 215           | 214           | 251           | 14.1   | 19.6   | 50.8  | 93.3  | 3.8         | 7.7        | 4959567                | 3458829                  | 69.7                                      | 29872                  |
| Shabla                                     | 0.778              | Medium            | 117           | 90            | 133           | 10.6   | 13.4   | 22.5  | 73.9  | 1.3         | 1.5        | 1570748                | 895035                   | 57.0                                      | 6380                   |
| Shumen                                     | 0.797              | High              | 87            | 41            | 92            | 8.2  | 9.9  | 28.3  | 94.0  | 13.3        | 6.1        | 29489406               | 13748611                 | 46.6                                      | 104456                 |
| Sevlievo                                   | 0.817              | High              | 77            | 27            | 43            | 12.9   | 20.4   | 57.1  | 79.0  | 16.7        | 2.1        | 11636941               | 3787800                  | 32.5                                      | 43099                  |
| Silistra                                   | 0.785              | Medium            | 238           | 125           | 67            | 6.0  | 8.7  | 32.3  | 91.8  | 13.9        | 1.3        | 15499424               | 8126930                  | 52.4                                      | 61942                  |
| Simenovgrad                                | 0.797              | High              | 186           | 232           | 25            | 21.5   | 35.2   | 64.2  | 96.3  | 0.4         | 15.5       | 2325619                | 1558101                  | 67.0                                      | 10638                  |
| Simitli                                    | 0.770              | Medium            | 72            | 129           | 170           | 20.6   | 30.3   | 60.1  | 88.8  | 0.2         | 5.2        | 2985052                | 1693846                  | 56.7                                      | 16049                  |
| Sitovo                                     | 0.730              | Low               | 257           | 258           | 182           | 18.0   | 21.6   | 94.4  | 73.8  | 33.5        | 7.4        | 1361664                | 1003688                  | 73.7                                      | 6856                   |
| Sliven                                     | 0.777              | Medium            | 222           | 211           | 76            | 10.4   | 13.2   | 40.3  | 85.1  | 5.0         | 11.9       | 25101338               | 12952907                 | 51.6                                      | 136148                 |
| Slivnitsa                                  | 0.786              | Medium            | 8             | 240           | 100           | 15.8   | 26.9   | 52.8  | 98.5  | 0.0         | 1.5        | 1591164                | 674760                   | 42.4                                      | 10422                  |
| Slivo pole                                 | 0.776              | Medium            | 183           | 147           | 106           | 8.1  | 9.3  | 89.1  | 83.9  | 41.2        | 7.3        | 2829443                | 1879641                  | 66.4                                      | 12912                  |
| Smolian                                    | 0.822              | High              | 26            | 13            | 49            | 5.6  | 8.7  | 18.5  | 84.2  | 0.7         | 0.8        | 15459812               | 9276037                  | 60.0                                      | 47230                  |
| Smyadovo                                   | 0.720              | Low               | 234           | 193           | 255           | 19.1   | 27.6   | 81.2  | 67.4  | 23.6        | 4.4        | 1816853                | 1295043                  | 71.3                                      | 8242                   |
| Sofia city                                 | 0.833              | High              | 37            | 1             | 33            | 2.0  | 3.2  | 7.1   | 98.2  | 0.5         | 1.5        | 438768511              | 18583907                 | 4.2                                       | 1170842                |
| Sozopol                                    | 0.764              | Medium            | 140           | 207           | 143           | 9.8  | 28.2   | 43.9  | 53.7  | 5.0         | 10.0       | 3503853                | 888858                   | 25.4                                      | 14277                  |
| Sredetz                                    | 0.758              | Low               | 242           | 229           | 129           | 28.1   | 41.9   | 71.7  | 76.2  | 2.5         | 12.6       | 3567784                | 2237421                  | 62.7                                      | 17396                  |
| Stamboliyski                               | 0.749              | Low               | 47            | 166           | 244           | 3.5  | 4.9  | 16.9  | 100.0   | 1.5         | 4.3        | 4817673                | 2544530                  | 52.8                                      | 22303                  |
| Stambolovo                                 | 0.735              | Low               | 162           | 257           | 204           | 39.0   | 54.6   | 87.6  | 48.6  | 62.8        | 7.1        | 1341469                | 1074401                  | 80.1                                      | 5833                   |
| Stara Zagora                               | 0.807              | High              | 55            | 30            | 69            | 8.5  | 11.3   | 22.5  | 95.9  | 1.7         | 6.6        | 41225067               | 15462750                 | 37.5                                      | 167661                 |
| Strajitsa                                  | 0.763              | Medium            | 189           | 100           | 173           | 20.9   | 32.1   | 67.3  | 55.4  | 17.5        | 3.6        | 4777207                | 3442900                  | 72.1                                      | 16504                  |
| Straldja                                   | 0.750              | Low               | 149           | 170           | 214           | 35.0   | 44.5   | 89.2  | 67.1  | 2.2         | 12.1       | 4608686                | 2728822                  | 59.2                                      | 15828                  |
| Strelcha                                   | 0.778              | Medium            | 84            | 165           | 126           | 13.9   | 35.3   | 62.3  | 84.3  | 0.1         | 5.5        | 1110972                | 665114                   | 59.9                                      | 6019                   |
| Strumyani                                  | 0.774              | Medium            | 118           | 243           | 97            | 35.4   | 60.5   | 81.5  | 68.1  | 0.4         | 5.9        | 1568807                | 1227473                  | 78.2                                      | 6829                   |
| Suhindol                                   | 0.815              | High              | 211           | 60            | 18            | 19.7   | 28.6   | 80.5  | 91.3  | 20.7        | 2.9        | 1473198                | 295727                   | 20.1                                      | 3629                   |
| Sungurlare                                 | 0.783              | Medium            | 106           | 239           | 71            | 16.1   | 26.5   | 81.3  | 53.5  | 31.0        | 7.9        | 3657868                | 2195626                  | 60.0                                      | 15409                  |
| Suvorovo                                   | 0.766              | Medium            | 135           | 163           | 155           | 12.4   | 21.4   | 87.1  | 92.9  | 22.7        | 13.2       | 1820475                | 899481                   | 49.4                                      | 7658                   |
| Svilengrad                                 | 0.795              | High              | 100           | 82            | 82            | 10.3   | 14.5   | 48.0  | 83.9  | 0.4         | 7.6        | 5478496                | 2201739                  | 40.2                                      | 25375                  |
| Svishtov                                   | 0.786              | Medium            | 39            | 46            | 140           | 13.0   | 15.9   | 50.4  | 71.2  | 7.8         | 0.9        | 7868312                | 3285900                  | 41.8                                      | 47629                  |
| Svoje                                      | 0.791              | High              | 67            | 200           | 73            | 52.2   | 57.5   | 82.4  | 79.3  | 0.0         | 0.3        | 4605547                | 1383051                  | 30.0                                      | 25409                  |
| Targovishte                                | 0.779              | Medium            | 219           | 101           | 102           | 14.2   | 18.3   | 40.0  | 92.5  | 25.1        | 7.1        | 15607828               | 7808057                  | 50.0                                      | 60890                  |
| Tervel                                     | 0.721              | Low               | 244           | 249           | 247           | 29.4   | 36.0   | 80.7  | 74.6  | 40.8        | 12.9       | 3638381                | 2308138                  | 63.4                                      | 18728                  |
| Teteven                                    | 0.786              | Medium            | 66            | 58            | 128           | 20.9   | 25.8   | 63.0  | 59.2  | 1.5         | 2.7        | 4027912                | 2419820                  | 60.1                                      | 23768                  |
| Topolovgrad                                | 0.789              | High              | 132           | 169           | 72            | 14.9   | 36.1   | 72.1  | 70.5  | 0.2         | 8.9        | 3021867                | 1996137                  | 66.1                                      | 15414                  |
| Tran                                       | 0.797              | High              | 42            | 69            | 96            | 52.8   | 63.1   | 81.4  | 80.4  | 0.1         | 8.8        | 1629047                | 1241471                  | 76.2                                      | 5627                   |
| Trekliano                                  | 0.832              | High              | 11            | 32            | 26            | 69.6   | 88.4   | 95.9  | 85.9  | 0.0         | 0.1        | 488727                 | 406823                   | 83.2                                      | 1142                   |
| Troyan                                     | 0.827              | High              | 50            | 23            | 27            | 11.9   | 18.2   | 52.1  | 81.3  | 4.4         | 1.3        | 9289020                | 3145559                  | 33.9                                      | 37345                  |
| Tryavna                                    | 0.795              | High              | 29            | 35            | 116           | 11.3   | 14.0   | 33.9  | 98.3  | 0.9         | 0.5        | 3425747                | 1733198                  | 50.6                                      | 14391                  |
| Tundja                                     | 0.773              | Medium            | 220           | 158           | 104           | 26.5   | 39.4   | 84.1  | 38.6  | 0.2         | 6.3        | 4785326                | 2955646                  | 61.8                                      | 31403                  |
| Tutrakan                                   | 0.787              | Medium            | 164           | 231           | 51            | 15.0   | 17.4   | 63.2  | 77.5  | 28.2        | 3.8        | 4225257                | 2827703                  | 66.9                                      | 19306                  |
| Tvarditsa                                  | 0.709              | Low               | 261           | 262           | 230           | 14.7   | 18.6   | 72.6  | 81.9  | 10.6        | 20.9       | 2918182                | 2008159                  | 68.8                                      | 14927                  |
| Tzar Kaloyan                               | 0.754              | Low               | 232           | 164           | 175           | 23.2   | 23.6   | 95.8  | 100.0   | 62.0        | 0.1        | 1780122                | 1357272                  | 76.2                                      | 8568                   |
| Tzarevo                                    | 0.838              | High              | 32            | 180           | 7             | 9.1  | 16.5   | 20.6  | 72.2  | 0.3         | 12.4       | 3715181                | 1530065                  | 41.2                                      | 10229                  |
| Tzenovo                                    | 0.765              | Medium            | 30            | 119           | 212           | 10.3   | 14.6   | 95.8  | 52.6  | 5.5         | 4.6        | 1509522                | 994050                   | 65.9                                      | 7975                   |
| Ugarchin                                   | 0.755              | Low               | 240           | 189           | 157           | 35.5   | 42.1   | 93.2  | 37.5  | 2.7         | 3.8        | 1599131                | 1036419                  | 64.8                                      | 8561                   |
| Valchedram                                 | 0.750              | Low               | 247           | 102           | 205           | 49.6   | 52.6   | 97.7  | 75.8  | 0.3         | 20.2       | 2997602                | 2402898                  | 80.2                                      | 13146                  |
| Valchi dol                                 | 0.795              | High              | 176           | 182           | 46            | 11.1   | 21.2   | 85.8  | 65.9  | 20.9        | 11.6       | 3630277                | 1110283                  | 30.6                                      | 12973                  |

| Municipality<br>(By alphabetical<br>order) | Municipal HDI 2002 | Level of HDI 2002 | LEI rank 2002 | CEI rank 2002 | GDP rank 2002 | Share of homes without<br>running water 2001 | Share of homes without<br>sanitation system 2001 | Share of homes without in-<br>house lavatory 2001 | Share of homes with access of<br>30° to the municipality centre | Turks% 2001 | Roma% 2001 | Total incomes BGL 2000 | Total subsidies BGL 2000 | Share of subsidies in the<br>incomes 2000 | Population census 2001 |
|--|--------------------|-------------------|---------------|---------------|---------------|--|--|---|---|-------------|------------|------------------------|--------------------------|---|------------------------|
| Varbitza                                   | 0.737              | Low               | 128           | 241           | 233           | 45.8   | 53.0   | 96.6  | 72.8  | 59.7        | 23.2       | 2394222                | 1786631                  | 74.6                                      | 11249                  |
| Varna                                      | 0.811              | High              | 56            | 26            | 61            | 5.8  | 6.6  | 13.6  | 100.0   | 3.8         | 1.2        | 74710489               | 16343126                 | 21.9                                      | 320464                 |
| Varshetz                                   | 0.757              | Low               | 136           | 63            | 217           | 16.6   | 21.7   | 60.5  | 94.8  | 0.0         | 12.9       | 2102641                | 1553998                  | 73.9                                      | 9870                   |
| Veliki Preslav                             | 0.776              | Medium            | 35            | 143           | 154           | 16.2   | 22.3   | 64.6  | 100.0   | 24.1        | 8.5        | 3545303                | 2374864                  | 67.0                                      | 16276                  |
| Veliko Tarnovo                             | 0.834              | High              | 59            | 6             | 22            | 9.6  | 14.0   | 31.4  | 91.2  | 5.5         | 0.9        | 23375491               | 8488008                  | 36.3                                      | 90432                  |
| Velingrad                                  | 0.755              | Low               | 97            | 171           | 210           | 15.2   | 17.7   | 37.2  | 81.9  | 11.9        | 7.1        | 9085272                | 5357409                  | 59.0                                      | 42722                  |
| Venez                                      | 0.742              | Low               | 141           | 216           | 224           | 38.4   | 41.7   | 97.5  | 100.0   | 91.3        | 5.8        | 2194839                | 1824013                  | 83.1                                      | 8042                   |
| Vetovo                                     | 0.744              | Low               | 193           | 161           | 222           | 11.4   | 15.9   | 92.4  | 79.1  | 49.6        | 11.2       | 3490057                | 2189777                  | 62.7                                      | 18774                  |
| Vetrino                                    | 0.762              | Medium            | 160           | 138           | 171           | 15.2   | 18.0   | 90.7  | 100.0   | 20.7        | 6.0        | 1408181                | 975598                   | 69.3                                      | 7023                   |
| Vidin                                      | 0.802              | High              | 111           | 22            | 74            | 14.4   | 16.1   | 33.8  | 93.5  | 0.1         | 7.9        | 18353461               | 9865128                  | 53.8                                      | 77480                  |
| Vratza                                     | 0.837              | High              | 144           | 10            | 14            | 21.2   | 24.4   | 38.8  | 92.9  | 0.1         | 2.5        | 24560249               | 12066097                 | 49.1                                      | 85215                  |
| Yablanitza                                 | 0.770              | Medium            | 201           | 167           | 118           | 30.8   | 34.2   | 80.7  | 100.0   | 0.6         | 19.6       | 1647779                | 618002                   | 37.5                                      | 6902                   |
| Yakimovo                                   | 0.765              | Medium            | 123           | 106           | 181           | 54.5   | 57.8   | 97.9  | 100.0   | 0.5         | 16.4       | 1370408                | 1111541                  | 81.1                                      | 5885                   |
| Yakoruda                                   | 0.730              | Low               | 92            | 210           | 256           | 15.8   | 31.6   | 56.1  | 88.3  | 70.5        | 3.7        | 2297745                | 1647816                  | 71.7                                      | 11108                  |
| Yambol                                     | 0.796              | High              | 154           | 29            | 79            | 4.2  | 4.8  | 12.9  | 100.0   | 4.5         | 4.6        | 18165529               | 8931945                  | 49.2                                      | 82649                  |
| Zavet                                      | 0.731              | Low               | 184           | 218           | 248           | 21.6   | 22.2   | 92.3  | 81.4  | 68.5        | 9.9        | 2698107                | 2035282                  | 75.4                                      | 12333                  |
| Zemen                                      | 0.830              | High              | 161           | 50            | 13            | 47.8   | 63.6   | 84.9  | 77.7  | 0.3         | 0.5        | 846929                 | 586841                   | 69.3                                      | 4139                   |
| Zlataritza                                 | 0.758              | Low               | 78            | 80            | 223           | 21.7   | 39.2   | 91.6  | 91.9  | 15.4        | 1.7        | 1361346                | 1062964                  | 78.1                                      | 4948                   |
| Zlatitza                                   | 0.814              | High              | 36            | 115           | 42            | 9.4  | 12.3   | 49.0  | 94.9  | 0.6         | 3.3        | 1953203                | 731550                   | 37.5                                      | 6689                   |
| Zlatograd                                  | 0.773              | Medium            | 25            | 91            | 188           | 8.7  | 11.3   | 28.7  | 90.1  | 0.4         | 0.0        | 3634205                | 2683688                  | 73.8                                      | 14042                  |