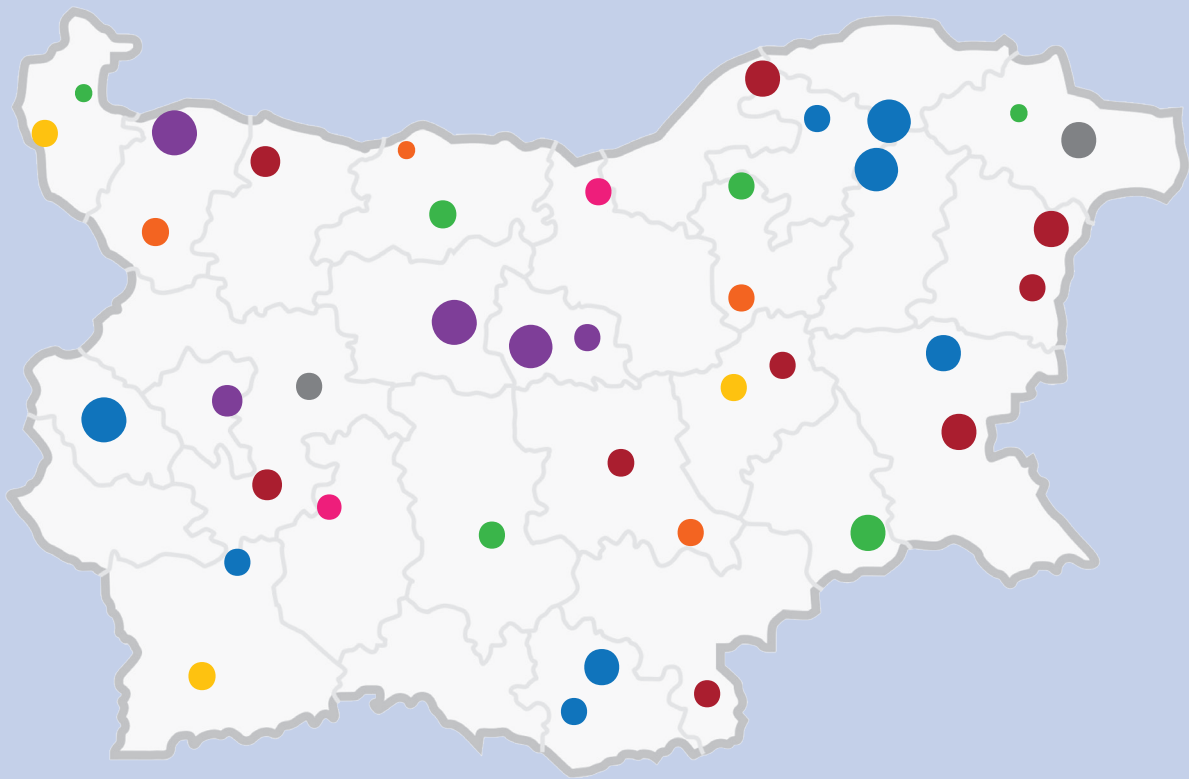


ELECTION FRAUD: PREVALENCE AND IMPACT IN BULGARIA



**Part II – Presidential election 2016.
European Parliament Election, 2019**

The **“Broken legitimacy: prevalence and impact of vote fraud in Bulgaria”** project is led by the Anti-corruption Fund Foundation with the financial support of Iceland, Liechtenstein, and Norway in the amount of EUR 9 990 within the scope of the European Economic Area Financial Mechanism (EEA FM) 2014 – 2021.

The main goal of the project is to improve the public debate in the Bulgarian society regarding the prevalence and impact of vote buying and electoral manipulation on the outcome of elections, as well as to assist the authorities in restricting the purchasing of votes, by identifying polling stations at risk of becoming targets of that irregular practice.

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The theories concerning the origin and functioning of democratic regimes are almost as diverse as the number of systems claiming to be democratic in their nature. Irrespective of their approach (prescriptive or descriptive), they are all in agreement that one of the cornerstones of democracy is a political system based on fair elections. For instance, Dahl¹ talks about effective participation and vote equality as means of ensuring political equality and reinventing the political system.

Sartori², on another hand, brings forward selective polyarchy as a system for electing competing elective minorities in the process of formulating their concept of democracy. Many international organizations, among which Transparency International and OSCE, also recognize the importance of fair elections enabling real political competition.

In the Bulgarian political context, however, there is a general feeling – reinforced by abundant evidence – that the election process is manipulated. Effective counteraction and the empowerment of the institutions responsible for combating this negative phenomenon are the main goals of the team behind the “Broken Legitimacy. Vote Purchasing and Manipulation in Bulgaria. Prevalence and Impact” project.

On the basis of quantitative analysis of the results of parliamentary elections, local elections, European Parliament elections, and presidential elections, held in Bulgaria in the period 2013 – 2021, the Anti-corruption Fund Foundation, in collaboration with the criminologist Dr Maria Karayotova, developed a methodology for identifying polling stations at risk of vote purchasing and manipulation.

This analysis presents the main conclusions and tendencies drawn from the 2016 presidential election and the 2019 European Parliament election in Bulgaria.

The polling stations at risk were identified on the basis of the following criteria:

- For the **presidential election**, these are polling stations that are outliers in terms of at least two of the following criteria: unusually high voter turnout in the polling station compared to the overall voter turnout within the municipality (first or second round); unusually high number of votes for the leading candidate in the polling station compared to the overall number of votes for the candidate within the municipality (first or second round); unusually high number of invalid ballots and votes in the polling station (first or second round); and/or polling stations exhibiting an abrupt increase or decline in the votes for a particular candidate between the two election rounds, measured against that candidate’s score within the municipality, coupled with an unusually high number of votes for a candidate in the respective polling station compared to the overall votes for that candidate within the municipality (first or second round). The number of polling stations at risk is identified in accordance with high and low outlier thresholds, whereby the high outlier threshold is determined by the criteria specified above, and the low outlier threshold is determined by the same criteria, coupled with exhibited risk behavior at previous elections by the respective polling station.

1 Дал, Р. (1999), „За Демокрацията“, изд. Обсидиан. (Robert Dahl, “On Democracy”)

2 Сартори, Дж. (1992), „Теория на демокрацията. Том 1 и 2“, Център за изследване на демокрацията. (Giovanni Sartori, “Theory of Democracy”, Center for the Study of Democracy)

- For the **European election**, these are polling stations with an unusually high voter turnout compared to the overall voter turnout within the municipality and/or with an unusually high number of votes for the leading party compared to the overall number of votes for the party within the municipality. Once again, the polling stations at risk are identified based on high and low outlier thresholds, whereby the former is determined by deviations from the mentioned criteria, and the latter – by a combination of the criteria and exhibited risk behavior at previous elections..

Part One

Vote purchasing and manipulation in Bulgaria: prevalence and impact. Presidential election 2016.

Methodology

The polling stations at higher risk of vote purchasing and manipulation during the 2016 presidential election were identified with reference to the following indicators:

- The first model identifies polling stations that are outliers in respect of at least two of these criteria: unusually high voter turnout in a particular polling station compared to the overall voter turnout within the municipality (first or second round); unusually high number of votes for the leading candidate in a particular polling station compared to the overall number of votes for the candidate within the municipality (first or second round); unusually high number of invalid ballots and votes in a particular polling station (first or second round);
- The second model requires both volatility in the political preferences of voters in a particular polling station at the two election rounds — an abrupt increase or decline in the votes for a particular candidate measured against the candidate's score within the municipality — as well as an unusually high number of votes for a candidate in a particular polling station compared to the overall votes for that candidate within the municipality (first or second round).

11,445 of the polling stations set up for the 2016 presidential election in Bulgaria corresponded to polling stations set up for the April 2021 parliamentary election. For 570 of the 12,015 polling stations, it was not possible to identify a matching polling station by registered address and in accordance with the Unified Classifier of Administrative-Territorial and Territorial Units (UCATTU). This was the approach used to identify the polling stations in the 2016 presidential election corresponding to polling stations that exhibited a higher risk of vote purchasing and manipulation during PE2013, PE2014, PE 2017, and PE2021 (April).

The quantitative results for the dimensions of the potentially purchased and manipulated votes at the 2016 presidential election will be presented with reference to two ranges:

- an upper threshold, determined solely on the basis of applying the first and second models;
- A lower threshold, which also takes into account whether the polling station was at risk during PE2013, PE2014, PE 2017, and PE2021 (April).

Due to differences in the applied methodologies, it is not possible to compare the dimensions of vote purchasing and manipulation at parliamentary elections and at presidential elections.

Dimensions of vote purchasing and manipulation – number of polling stations, votes, and votes for the winner in polling stations

During the 2016 presidential election, **275** polling stations exhibited deviations in respect of at least two of the following criteria: unusually high voter turnout, unusually high number of votes for the leading candidate, and unusually high number of invalid ballots and votes.

Furthermore, the results in **333** polling stations showed abrupt change in the voters' preferences for presidential candidates, coupled with an unusually high number of votes for the candidates who won the respective polling stations in at least one of the two election rounds.

The total number of polling stations exhibiting deviations during the 2016 presidential election is 496. In addition, 445 of those polling stations were also identified as “at risk” on the basis of the results of PE2013, PE2014, PE 2017, and PE2021 (April). This figure corresponds to between **3.7% and 4.1%** of all the polling stations set up for the presidential election.

Between **91,240** and **102,241** citizens cast their votes in these polling stations during the first election round. This amounts to **2.4%** and **2.7%** of all the votes cast in the country, respectively. Despite the fact that the absolute number of votes cast in these polling stations was lower during the second election round, the share of all the votes cast in the country remained the same due to the decrease in voter turnout.

The votes for the winners in the polling stations exhibiting deviations amount to between **1.4%** (54,884 votes) and **1.6%** (61,667) of all the votes cast in the country during the first round of the presidential election.

Dimensions of vote purchasing and manipulation by electoral district

At the 2016 presidential election, the **Kardzhali Electoral District** was the leader in both number of polling stations at risk and in share of votes cast in such stations out of the total number of votes within the district. Kardzhali was also the most problematic district at the April 2021 parliamentary election. The proportion of potentially purchased votes out of all the votes cast within the electoral district was also rather high in the districts of Pazardzhik (**5.7% to 6.4%**), Silistra (**5.6% to 6.8%**), and Sliven (**4.6% to 4.9%**).

The lowest proportion of purchased and manipulated votes was identified in the 25th ED– Sofia (**0.0%**), the 24th ED – Sofia (**0.1%**), and the 23rd ED – Sofia (**0.1%**) (see Table 1).

In terms of highest share of all the votes at risk during the 2016 presidential election, the top positions were occupied by the **Kardzhali Electoral District (7.9% to 10%)** and the **Targovishte Electoral District (5.8% to 6.7%)**.

Table 1 Dimensions of the potentially purchased and manipulated votes by electoral district, first round

Electoral District	Votes cast in polling stations at risk within the district (% lower threshold)	Votes cast in polling stations at risk within the district (% upper threshold)	Votes cast in polling stations at risk out of all votes at risk (% lower threshold)	Votes cast in polling stations at risk out of all votes at risk (% upper threshold)	Votes for the winner in polling stations at risk (% lower threshold)	Votes for the winner in polling stations at risk (% upper threshold)
01. BLAGOEVGRAD	2.8%	3.0%	5.3%	5.0%	1.9%	2.0%
02. BURGAS	2.7%	3.0%	6.6%	6.4%	1.4%	1.5%
03. VARNA	2.2%	2.4%	5.8%	5.6%	1.2%	1.3%
04. VELIKO TARNOVO	1.1%	1.3%	1.5%	1.6%	0.5%	0.6%
05. VIDIN	1.0%	1.0%	0.6%	0.5%	0.6%	0.6%
06. VRATSA	0.7%	0.7%	0.8%	0.7%	0.4%	0.4%
07. GABROVO	2.2%	2.6%	1.6%	1.7%	1.0%	1.1%
08. DOBRICH	3.8%	4.0%	3.9%	3.7%	2.2%	2.3%
09. KARDZHALI	10.2%	12.8%	9.3%	10.4%	7.9%	10.0%
10. KYUSTENDIL	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%
11. LOVECH	1.4%	1.8%	1.2%	1.4%	1.1%	1.3%
12. MONTANA	3.7%	3.7%	3.1%	2.7%	1.8%	1.8%
13. PAZARDZHIK	5.7%	6.4%	8.6%	8.6%	3.5%	3.9%
14. PERNIK	0.9%	1.0%	0.7%	0.7%	0.6%	0.7%
15. PLEVEN	1.8%	2.3%	2.8%	3.2%	0.9%	1.1%
16. PLOVDIV city	2.6%	2.6%	5.1%	4.5%	1.4%	1.4%
17. PLOVDIV region	3.8%	4.3%	7.4%	7.5%	2.0%	2.2%
18. RAZGRAD	4.3%	5.8%	3.1%	3.7%	2.9%	3.8%
19. RUSE	1.2%	1.2%	1.6%	1.5%	0.7%	0.7%
20. SILISTRA	5.6%	6.8%	4.0%	4.3%	3.6%	4.3%
21. SLIVEN	4.6%	4.9%	4.8%	4.5%	2.8%	3.0%
22. SMOLYAN	0.5%	0.5%	0.4%	0.3%	0.3%	0.3%
23. SOFIA 23 ED	0.1%	0.1%	0.2%	0.2%	0.0%	0.0%
24. SOFIA 24 ED	0.1%	0.1%	0.3%	0.3%	0.1%	0.1%
25. SOFIA 25 ED	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%
26. SOFIA region	0.9%	0.9%	1.3%	1.2%	0.5%	0.5%
27. STARA ZAGORA	2.0%	2.2%	3.9%	3.9%	1.1%	1.2%
28. TARGOVISHTE	8.0%	9.3%	5.7%	5.9%	5.8%	6.7%
29. HASKOVO	3.9%	4.3%	5.8%	5.5%	2.4%	2.7%
30. SHUMEN	1.9%	2.1%	2.0%	1.9%	1.0%	1.1%
31. YAMBOL	3.4%	3.4%	2.5%	2.3%	2.1%	2.1%

Dimensions of vote purchasing and manipulation by municipality

In the majority of the municipalities (57.6% or 152 of all municipalities in the country³), the share of potentially purchased and manipulated votes out of all the votes cast within the respective municipality is up to 1% (see Figure 1). In 54 municipalities (20.5% of the municipalities in the country) this share varies between 1% and 5%. In 13.6 % of the municipalities the proportion is between 5% and 10%. In 8.3% of the

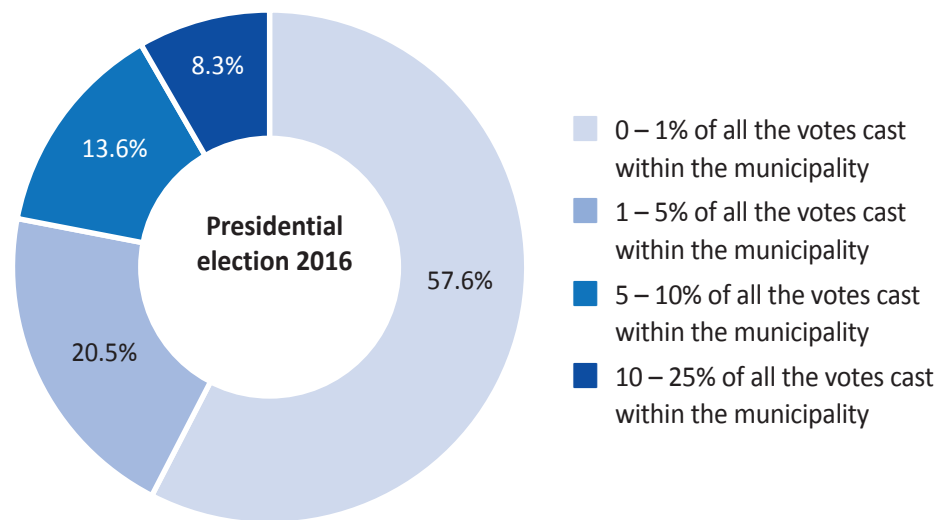
³ Lower threshold

municipalities (22 municipalities) the percentage varies between 10% and 25%, with the figures being particularly high in the municipalities of Gotse Delchev, Madzharovo, Sitovo, and Lesichevo.

By contrast to the April 2021 parliamentary election and the 2019 European Parliament election, there were no municipalities claiming more than 25% of all the potentially purchased votes at the 2016 presidential election.

The Gotse Delchev municipality occupies one of the top positions by share of potentially purchased and manipulated votes out of all the votes cast in polling stations at risk in the country — 3.7%. The Kardzhali and Targovishte municipalities also have a high share of the votes cast in polling stations at risk in the country — 6.6% and 5%, respectively.

Figure 1 Proportion of potentially purchased votes out of all the votes cast within the municipality, 2016 presidential election



Votes at risk by presidential candidate

At the first round of the 2016 presidential election, almost half of the votes cast in polling stations, considered at risk of vote purchasing and manipulation, were given for the candidates Plamen Oresharski and Danail Papazov (48.3%). The candidates for president and vice-president supported by GERB, Tsetska Tsacheva and Plamen Manushev, ranked next with 18.6%, followed by Rumen Radev and Iliyana Yotova with 13.2% (see Figure 2).

Plamen Oresharski and Danail Papazov the leaders in terms of share of potentially purchased and manipulated votes out of the total votes given for the candidate (see Figure 3). The share of votes cast in polling stations at risk during the first round for Tsetska Tsacheva and Rumen Radev, who advanced to the second round, corresponded to 2.1% and 1.3%, respectively, of all the votes given for the two candidates. However, at the second round, Rumen Radev became the leader by this indicator, as 2.5% of the votes for him were cast in polling stations at risk, compared to only 1% for Tsetska Tsacheva (see Figure 4). Nevertheless, given that the difference in the total number of votes for the two candidates was nearly 40%, these 2.5% did not have an impact on the outcome of the presidential election.

Figure 2 Distribution of votes in polling stations at risk by candidate (lower threshold), Presidential election 2016, first round

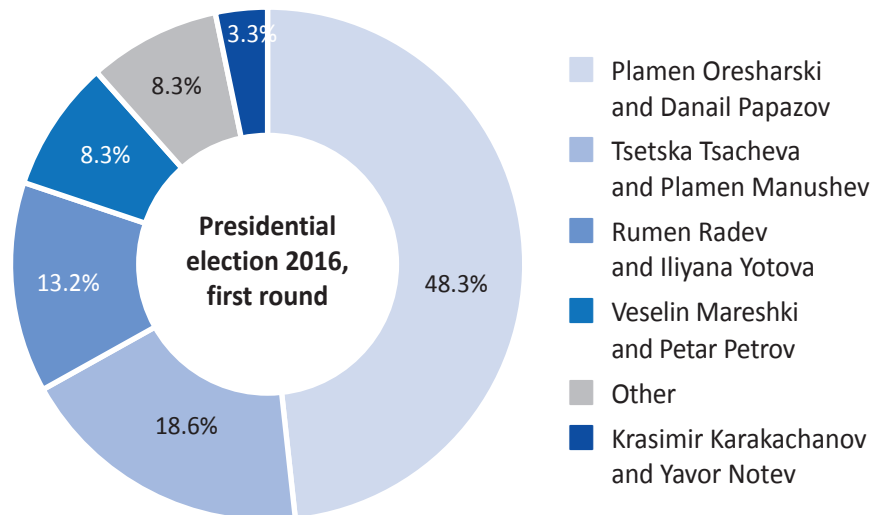


Figure 3 Percentage of votes for presidential candidates, cast in polling stations at risk (lower threshold), Presidential election 2016, first round

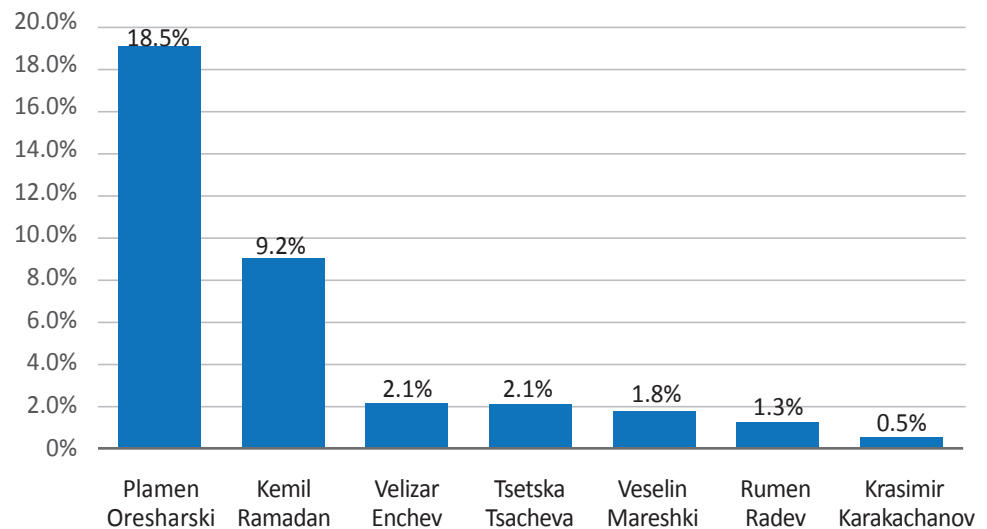
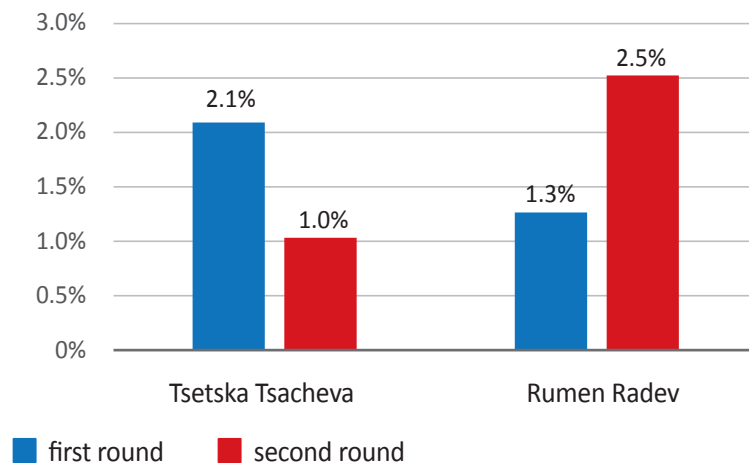


Figure 4 Percentage of votes for presidential candidates, cast in polling stations at risk (lower threshold), Presidential election 2016, first and second rounds



APPENDIX

Dimensions of purchased and manipulated voting by municipality, Presidential election 2016

Municipality	Votes in polling stations at risk, lower threshold, % of votes in the municipality	Votes in polling stations at risk, upper threshold, % of votes in the municipality	Votes in polling stations at risk, lower threshold, % of risk vote	Votes in polling stations at risk, upper threshold, % of risk vote	Winner in polling stations at risk, lower threshold, % of votes in the municipality	Winner in polling stations at risk, upper threshold, % of votes in the municipality
AKSAKOVO	3,60%	4,60%	0,40%	0,40%	1,50%	2,00%
ALFATAR	10,90%	10,90%	0,20%	0,20%	8,40%	8,40%
ANTON	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ANTONOVO	1,60%	1,60%	0,10%	0,10%	0,80%	0,80%
APRILTSI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ARDINO	5,60%	5,60%	0,40%	0,40%	4,70%	4,70%
ASENOVGRAD	10,30%	10,80%	4,00%	3,70%	6,00%	6,20%
AVREN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
AYTOS	5,60%	5,60%	0,90%	0,80%	2,90%	2,90%
BALCHIK	1,70%	1,70%	0,20%	0,20%	1,30%	1,30%
BANITE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BANSKO	4,00%	4,00%	0,40%	0,30%	1,60%	1,60%
BATAK	12,30%	22,10%	0,50%	0,80%	8,50%	15,30%
BELENE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BELITSA	10,30%	10,30%	0,60%	0,60%	8,30%	8,30%
BELOGRADCHIK	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BEOSLAV	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BELOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BERKOVITSA	2,10%	2,10%	0,20%	0,20%	1,20%	1,20%
BLAGOEVGRAD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOBOSHEVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOBOV DOL	0,00%	1,40%	0,00%	0,10%	0,00%	0,70%
BOLYAROVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BORINO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOROVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOTEVGRAD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOTOVAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOYNITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BOYTCHINOVTSI	5,60%	5,60%	0,30%	0,30%	3,70%	3,70%
BOZHURISHTE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BRATSIGOVO	4,30%	4,30%	0,20%	0,20%	2,10%	2,10%
BRATYA DASKALOVI	1,90%	1,90%	0,10%	0,10%	0,90%	0,90%
BREGOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BREZNIK	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BREZOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
BRUSARTSI	2,80%	2,80%	0,10%	0,10%	1,20%	1,20%
BURGAS	2,10%	2,10%	2,60%	2,30%	1,10%	1,10%

BYALA	5,90%	5,90%	0,60%	0,50%	2,80%	2,80%
BYALA SLATINA	3,70%	3,70%	0,50%	0,50%	2,20%	2,20%
CHAVDAR	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
CHELOPECH	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
CHEPELARE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
CHERNOOCHENE	3,10%	3,10%	0,20%	0,20%	1,50%	1,50%
CHERVEN BRYAG	1,70%	1,70%	0,30%	0,20%	0,60%	0,60%
CHIPROVTSI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
CHIRPAN	8,00%	8,80%	1,00%	0,90%	4,50%	4,90%
CHUPRENE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DALGOPOL	12,30%	15,40%	1,00%	1,10%	7,30%	9,20%
DEVIN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DEVNYA	8,20%	8,20%	0,40%	0,40%	5,20%	5,20%
DIMITROVGRAD	1,00%	1,00%	0,30%	0,30%	0,50%	0,50%
DIMOVO	9,70%	9,70%	0,40%	0,30%	5,90%	5,90%
DOBRICH-CITY	1,60%	1,60%	0,80%	0,70%	0,90%	0,90%
DOBRICHKA	10,80%	11,80%	1,20%	1,10%	5,40%	6,00%
DOLNA BANYA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DOLNA MITROPOLIYA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DOLNI CHIFLIK	6,40%	6,40%	0,60%	0,50%	2,50%	2,50%
DOLNI DABNIK	4,50%	4,50%	0,30%	0,30%	1,90%	1,90%
DOSPAT	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DRAGOMAN	1,50%	1,50%	0,00%	0,00%	0,90%	0,90%
DRYANOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DULOVO	6,10%	6,10%	1,00%	0,90%	4,10%	4,10%
DUPNITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DVE MOGILI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
DZHEBEL	9,10%	10,70%	0,50%	0,50%	7,10%	8,40%
ELENA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ELHOVO	0,70%	0,70%	0,10%	0,10%	0,30%	0,30%
ELIN PELIN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ETROPOLE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GABROVO	0,20%	0,20%	0,10%	0,10%	0,10%	0,10%
GALABOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GARMEN	0,00%	4,70%	0,00%	0,30%	0,00%	2,30%
GENERAL TOSHEVO	4,50%	4,50%	0,40%	0,30%	2,10%	2,10%
GEORGI DAMYANOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GLAVINITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GODECH	1,60%	1,60%	0,10%	0,00%	0,70%	0,70%
GORNA MALINA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GORNA ORYAHOVITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GOTSE DELCHEV	22,50%	22,50%	4,10%	3,70%	15,30%	15,30%
GRAMADA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GULYANTSI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
GURKOVO	0,00%	12,40%	0,00%	0,30%	0,00%	5,60%
HADZHIDIMOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
HARMANLI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
HASKOVO	8,70%	8,70%	4,80%	4,30%	5,10%	5,10%
HAYREDIN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

HISARYA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
HITRINO	6,80%	6,80%	0,30%	0,30%	3,60%	3,60%
IHTIMAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ISKAR	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ISPERIH	0,00%	1,70%	0,00%	0,20%	0,00%	1,10%
IVANOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
IVAYLOVGRAD	1,40%	1,40%	0,10%	0,10%	0,70%	0,70%
KALOYANOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KAMENO	0,00%	4,10%	0,00%	0,20%	0,00%	1,40%
KAOLINOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KARDZHALI	17,20%	20,80%	6,60%	7,10%	14,00%	16,80%
KARLOVO	2,30%	3,30%	0,70%	0,90%	0,80%	1,20%
KARNOBAT	5,50%	5,50%	0,80%	0,70%	2,50%	2,50%
KASPICHAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KAVARNA	2,50%	2,50%	0,20%	0,20%	1,30%	1,30%
KAYNARDZHA	17,80%	17,80%	0,40%	0,30%	9,00%	9,00%
KAZANLAK	1,70%	1,70%	0,80%	0,70%	0,80%	0,80%
KIRKOVO	6,30%	11,50%	0,80%	1,30%	4,00%	8,30%
KNEZHA	5,00%	5,00%	0,40%	0,30%	2,70%	2,70%
KOCHERINOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KOPRIVSHTITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KOSTENETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KOSTINBROD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KOTEL	10,50%	10,50%	1,00%	0,90%	6,40%	6,40%
KOVATCHEVTSI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KOZLODUY	2,30%	2,30%	0,30%	0,20%	1,30%	1,30%
KRESNA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KRICHIM	7,70%	7,70%	0,30%	0,30%	4,50%	4,50%
KRIVODOL	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
KRUMOVGRAD	5,30%	7,10%	0,60%	0,70%	3,80%	5,50%
KRUSHARI	10,10%	10,10%	0,20%	0,20%	6,30%	6,30%
KUBRAT	1,20%	6,90%	0,10%	0,60%	0,70%	4,10%
KUKLEN	1,50%	1,50%	0,10%	0,00%	0,50%	0,50%
KULA	2,20%	2,20%	0,10%	0,10%	1,20%	1,20%
KYUSTENDIL	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
LAKI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
LESICHOVO	18,30%	18,30%	0,50%	0,50%	11,60%	11,60%
LETNITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
LEVSKI	3,30%	3,30%	0,40%	0,30%	1,10%	1,10%
LOM	7,10%	7,10%	1,00%	0,90%	3,80%	3,80%
LOVECH	0,20%	1,30%	0,10%	0,40%	0,10%	0,70%
LOZNITSA	3,10%	3,10%	0,20%	0,20%	2,30%	2,30%
LUKOVIT	10,70%	10,70%	1,00%	0,90%	8,90%	8,90%
LYASKOVETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
LYUBIMETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
MADAN	2,10%	2,10%	0,20%	0,10%	1,40%	1,40%
MADZHAROVO	22,00%	26,10%	0,30%	0,30%	17,60%	21,10%
MAGLIZH	6,30%	6,30%	0,30%	0,30%	3,40%	3,40%
MAKRESH	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

MALKO TARNOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
MARITSA	0,00%	3,10%	0,00%	0,50%	0,00%	1,10%
MEDKOVETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
MEZDRA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
MINERALNI BANI	3,50%	13,60%	0,10%	0,50%	2,90%	12,50%
MIRKOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
MIZIYA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
MOMCHILGRAD	2,30%	2,30%	0,20%	0,20%	1,10%	1,10%
MONTANA	2,40%	2,40%	0,80%	0,70%	1,10%	1,10%
NEDELINO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
NESEBAR	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
NEVESTINO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
NIKOLA KOZLEVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
NIKOLAEVO	17,50%	17,50%	0,40%	0,40%	15,80%	15,80%
NIKOPOL	16,20%	16,20%	0,90%	0,80%	10,20%	10,20%
NOVA ZAGORA	6,10%	7,40%	1,10%	1,20%	4,60%	5,70%
NOVI PAZAR	7,60%	7,60%	0,70%	0,70%	4,30%	4,30%
NOVO SELO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
OMURTAG	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
OPAKA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
OPAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ORYAHOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PANAGYURISHTE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PARVOMAY	6,10%	6,10%	0,90%	0,80%	2,90%	2,90%
PAVEL BANYA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PAVLIKENI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PAZARDZHIK	6,10%	6,10%	3,60%	3,20%	3,40%	3,40%
PERNIK	0,90%	0,90%	0,50%	0,50%	0,70%	0,70%
PERUSHTITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PESHTERA	3,70%	7,50%	0,40%	0,70%	1,70%	3,90%
PETRICH	0,50%	0,50%	0,20%	0,10%	0,40%	0,40%
PIRDOP	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PLEVEN	0,70%	1,70%	0,60%	1,20%	0,40%	0,90%
PLOVDIV	2,60%	2,60%	5,10%	4,50%	1,40%	1,40%
POLSKI TRAMBESH	6,10%	6,10%	0,50%	0,40%	3,50%	3,50%
POMORIE	8,40%	10,70%	1,30%	1,50%	4,70%	5,90%
POPOVO	3,70%	3,70%	0,60%	0,50%	2,20%	2,20%
PORDIM	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PRAVETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PRIMORSKO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PROVADIYA	5,10%	5,10%	0,60%	0,60%	2,50%	2,50%
RADNEVO	1,10%	1,10%	0,10%	0,10%	0,40%	0,40%
RADOMIR	1,30%	2,30%	0,20%	0,20%	0,80%	1,30%
RAKITOVO	8,80%	8,80%	0,60%	0,60%	6,20%	6,20%
RAKOVSKI	4,50%	4,50%	0,60%	0,60%	2,40%	2,40%
RAZGRAD	9,90%	10,80%	2,80%	2,70%	6,70%	7,20%
RAZLOG	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
RILA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
RODOPI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

ROMAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
RUDOZEM	2,50%	2,50%	0,20%	0,10%	2,00%	2,00%
RUEN	4,60%	4,60%	0,80%	0,70%	1,70%	1,70%
RUSE	0,70%	0,70%	0,70%	0,60%	0,40%	0,40%
RUZHINTSI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SADOVO	3,30%	3,30%	0,30%	0,20%	1,00%	1,00%
SAEDINENIE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SAMOKOV	5,20%	5,20%	1,20%	1,10%	3,10%	3,10%
SAMUIL	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SANDANSKI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SAPAREVA BANYA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SARNITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SATOVCHA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SEPTEMVRI	8,00%	8,00%	1,20%	1,00%	6,00%	6,00%
SEVLIEVO	7,00%	8,60%	1,50%	1,70%	3,10%	3,70%
SHABLA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SHUMEN	0,90%	0,90%	0,50%	0,40%	0,40%	0,40%
SILISTRA	0,90%	0,90%	0,30%	0,30%	0,50%	0,50%
SIMEONOVGRAD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SIMITLI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SITOVO	22,50%	33,00%	0,80%	1,00%	14,40%	21,60%
SLIVEN	2,20%	2,20%	1,50%	1,30%	1,10%	1,10%
SLIVNITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SLIVO POLE	8,70%	8,70%	0,50%	0,40%	4,70%	4,70%
SMOLYAN	0,20%	0,20%	0,10%	0,10%	0,10%	0,10%
SMYADOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SOFIA	0,10%	0,10%	0,60%	0,50%	0,00%	0,00%
SOPOT	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SOZOPOL	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SREDETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
STAMBOLIYSKI	4,70%	4,70%	0,50%	0,50%	2,90%	2,90%
STAMBOLOVO	4,30%	4,30%	0,20%	0,10%	2,60%	2,60%
STARA ZAGORA	1,30%	1,30%	1,30%	1,10%	0,50%	0,50%
STRALDZHA	7,00%	7,00%	0,50%	0,40%	3,30%	3,30%
STRAZHITSA	1,20%	5,50%	0,10%	0,30%	0,60%	2,20%
STRELCHA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
STRUMYANI	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SUHINDOL	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SUNGURLARE	2,60%	2,60%	0,20%	0,20%	2,20%	2,20%
SUVOROVO	9,70%	9,70%	0,40%	0,40%	4,30%	4,30%
SVILENGRAD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SVISHTOV	2,90%	2,90%	0,60%	0,50%	1,30%	1,30%
SVOGE	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TARGOVISHTE	14,60%	17,20%	5,00%	5,30%	10,90%	12,60%
TERVEL	11,20%	11,90%	1,00%	0,90%	7,60%	7,90%
TETEVEN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TOPOLOVGRAD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TRAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TREKLYANO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

TROYAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TRYAVNA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TSAR KALOYAN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TSAREVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TSENOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TUNDZHA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TUTRAKAN	14,60%	19,50%	1,40%	1,70%	9,70%	12,30%
TVARDITSA	17,40%	17,40%	1,10%	1,00%	10,10%	10,10%
UGARCHIN	2,60%	2,60%	0,10%	0,10%	1,70%	1,70%
VALCHEDRAM	13,50%	13,50%	0,70%	0,60%	5,20%	5,20%
VALCHI DOL	2,10%	2,10%	0,10%	0,10%	1,00%	1,00%
VARBITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
VARNA	1,00%	1,10%	1,90%	1,90%	0,60%	0,70%
VARSHETS	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
VELIKI PRES LAV	1,70%	1,70%	0,10%	0,10%	0,90%	0,90%
VELIKO TARNOVO	0,60%	0,60%	0,30%	0,30%	0,20%	0,20%
VELINGRAD	7,80%	8,90%	1,60%	1,60%	4,80%	5,40%
VENETS	6,90%	11,50%	0,30%	0,50%	4,30%	7,40%
VETOVO	3,50%	3,50%	0,20%	0,20%	2,00%	2,00%
VETRINO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
VIDIN	0,50%	0,50%	0,20%	0,10%	0,20%	0,20%
VRATSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
YABLANITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
YAKIMOVO	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
YAKORUDA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
YAMBOL	4,70%	4,70%	2,00%	1,80%	3,10%	3,10%
ZAVET	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ZEMEN	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ZLATARITSA	2,70%	2,70%	0,10%	0,10%	1,40%	1,40%
ZLATITSA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ZLATOGRAD	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

Part Two

Vote purchasing and manipulation in Bulgaria: prevalence and impact. European Parliament Election, 2019

Methodology

The polling stations at higher risk of vote purchasing and manipulation during the 2019 European Parliament election were identified with reference to the following indicators:

- unusually high voter turnout in a particular polling station compared to the overall voter turnout within the municipality, or;
- unusually high number of votes for the leading party in a particular polling station compared to the overall number of votes for the party within the municipality.

Since the analysis was performed based on the results of a single election year, the model of identifying polling stations at risk through measuring the volatility in political preferences was not applied.

At the same time, 11,646 of the polling stations set up for the 2019 European Parliament election corresponded to polling stations set up for the April 2021 parliamentary election in Bulgaria. For 386 of the 12,032 polling stations, it was not possible to identify a matching polling station by registered address and in accordance with the Unified Classifier of Administrative-Territorial and Territorial Units (UCATTU). This was the approach used to identify the polling stations in the 2019 European Parliament election corresponding to polling stations that exhibited a higher risk of vote purchasing and manipulation during PE2013, PE2014, PE 2017, and PE2021 (April).

The quantitative results for the dimensions of the potentially purchased and manipulated votes at the 2019 European Parliament election will be presented with reference to two ranges:

- an upper threshold, determined solely on the basis of an unusually high voter turnout in a particular polling station compared to the overall voter turnout within the municipality, or on the basis of an unusually high number of votes for the leading party in a particular polling station compared to the overall number of votes for the party within the municipality;
- a lower threshold, also determined by whether the polling station also reported risk at PI2013, PI2014, PI2017 and PI2021 (April).

Due to the application of a different methodology, no comparison can be made in the size of the potential controlled and purchased vote in parliamentary and European elections.

Dimensions of vote purchasing and manipulation – number of polling stations, votes, and votes for the winner in polling stations

During the 2019 European Parliament election, **1,139** polling stations recorded unusually high voter turnout or number of votes for the winner in the respective station in comparison with the overall turnout and votes for winners within the respective municipality. **892 of these polling stations** were also identified as “at risk” based on the results of PE2013, PE2014, PE 2017, and PE2021 (April). This figure corresponds to between **7.4% and 9.5%** of the total number of polling stations at the European election.

Between **129,923** and **172,318** citizens cast their votes in these polling stations. This amounts to **6.3%** and **8.3%** of all the votes cast in the country, respectively. The votes for the winners in these polling stations amount to between 4.3% (89,796 votes) and 5.3% (109,854 votes) of all the votes cast in the country.

Dimensions of vote purchasing and manipulation by electoral district

At the 2019 European Parliament election, the **Pazardzhik Electoral District (ED)** was the leader in number of polling stations at risk. In terms of votes cast in such polling stations as a share of all the votes cast in the district, the top position was occupied by the **Targovishte Electoral District**, followed by the **Pazardzhik District**. The proportion of potentially purchased votes out of all the votes cast within the electoral district was also rather high in the districts of Montana (**10% to 12.2%**), Sliven (**9.8% to 14%**), Silistra (**9.7% to 10.2%**), Dobrich (**9.6% to 10.8%**), Plovdiv Region (**9.5% to 12.6%**), and Haskovo (**8.3% to 9.6%**). It is noteworthy that the share of votes at risk out of all the votes cast in the Kardzhali Electoral District was not as high as at the April 2021 parliamentary election.

As was the case with the April 2021 parliamentary election, the lowest proportion of purchased and manipulated votes was identified in the 25th ED – Sofia (**0.5% to 2.1%**) and the 23rd ED – Sofia (**0.5% to 4%**) (see Table 1).

The largest shares of the total number of votes at risk were claimed by the **Burgas Electoral District (6.3% to 7.3%)** and the **Pazardzhik Electoral District (5.8% to 6.4%)**.

Table 1 Dimensions of the potentially purchased and manipulated votes by electoral district

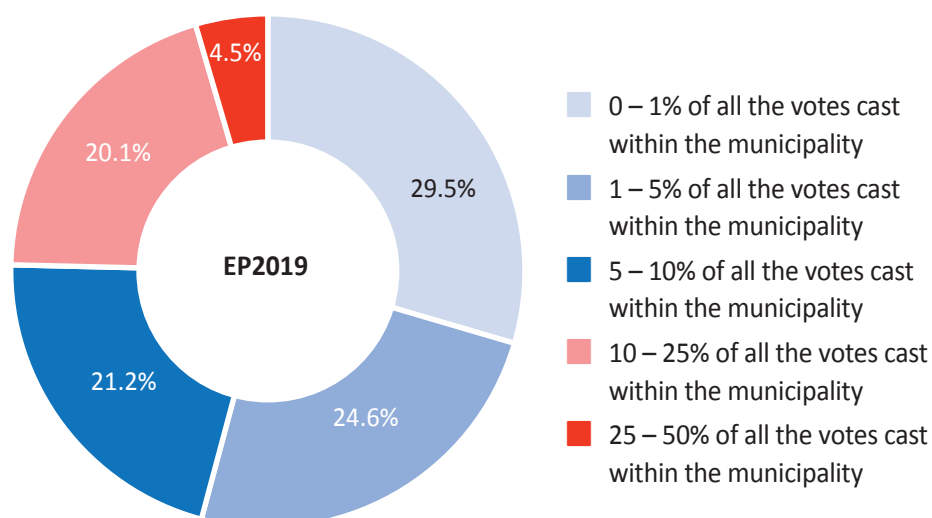
Electoral District	Votes in polling stations at risk, lower threshold, % of votes in the district	Votes in polling stations at risk, upper threshold, % of votes in the district	Votes in sections at risk, lower threshold, % of risk vote	Votes in sections at risk, upper threshold, % of risk vote	Winner in polling stations at risk, lower threshold, % of those who voted in the district	Winner in polling stations at risk, upper threshold, % of those who voted in the district
01. BLAGOEVGRAD	7.2%	9.7%	5.7%	5.8%	5.4%	7.0%
02. BURGAS	7.0%	10.9%	6.3%	7.3%	4.8%	6.6%
03. VARNA	5.6%	7.7%	5.7%	5.9%	4.1%	5.3%
04. VELIKO TURNOVO	8.1%	10.2%	4.1%	3.9%	4.9%	5.8%
05. VIDIN	7.4%	8.0%	1.6%	1.3%	4.8%	5.2%
06. VRATSA	5.9%	7.4%	2.7%	2.5%	3.4%	4.1%
07. GABROVO	5.8%	7.1%	1.4%	1.3%	3.8%	4.6%
08. DOBRICH	9.6%	10.8%	3.6%	3.1%	7.1%	7.6%
09. KARDZHALI	8.1%	10.2%	3.9%	3.7%	6.5%	8.2%
10. KYUSTENDIL	1.9%	3.1%	0.5%	0.6%	1.0%	1.5%
11. LOVECH	6.8%	8.4%	2.3%	2.1%	4.1%	4.9%
12. MONTANA	10.0%	12.2%	3.6%	3.3%	6.6%	7.7%
13. PAZARDZHIK	11.9%	14.1%	6.4%	5.8%	8.9%	10.1%
14. PERNIK	4.4%	6.6%	1.2%	1.4%	2.4%	3.7%
15. PLEVEN	9.1%	9.5%	4.7%	3.7%	6.5%	6.7%
16. PLOVDIV city	3.9%	5.5%	2.6%	2.8%	2.6%	3.2%
17. PLOVDIV region	9.5%	12.6%	5.9%	5.8%	6.5%	8.1%
18. RAZGRAD	7.1%	8.3%	2.3%	2.0%	4.3%	5.3%
19. RUSE	4.6%	5.5%	2.2%	2.0%	2.7%	3.1%
20. SILISTRA	9.7%	10.2%	3.1%	2.5%	7.0%	7.2%
21. SLIVEN	9.8%	14.0%	3.4%	3.7%	6.7%	8.9%
22. SMOLYAN	4.5%	4.7%	1.4%	1.1%	2.8%	2.9%
23. SOFIA 23 ED	0.5%	4.0%	0.6%	3.4%	0.2%	1.3%
24. SOFIA 24 ED	2.8%	5.1%	2.3%	3.2%	1.8%	2.6%
25. SOFIA 25 ED	0.5%	2.1%	0.4%	1.3%	0.2%	0.8%
26. SOFIA Province	5.6%	7.9%	3.0%	3.2%	3.8%	4.8%
27. STAR ZAGORA	8.3%	10.7%	6.0%	5.8%	5.7%	6.8%
28. TARGOVISHTE	12.5%	14.2%	4.1%	3.5%	10.4%	11.8%
29. HASKOVO	8.3%	9.6%	5.1%	4.5%	5.6%	6.4%
30. SHUMEN	7.4%	9.2%	3.0%	2.9%	5.1%	5.9%
31. YAMBOL	3.9%	3.9%	1.0%	0.8%	2.7%	2.7%

Dimensions of vote purchasing and manipulation by municipality

As was the case with the parliamentary elections, in the majority of the municipalities (75.4% or 199 of all municipalities in the country⁴) at the 2019 European Parliament election, the share of purchased votes out of all the votes cast within the respective municipality varies between 0% and 10% (see Figure 1). In 78 municipalities (29.5% of the municipalities in the country) the share of such votes is up to 1%. In around 20% of the municipalities (53 municipalities) the percentage varies between 10% and 25%. The share of potentially purchased and manipulated votes is significant (over 25%) in only 12 of the municipalities, led by the municipalities of Valchedram, Gotse Delchev, and Strelcha.

The Gotse Delchev municipality is among the leaders in terms of share of purchased and manipulated votes out of all the votes cast in polling stations at risk in the country — 2.5%. Despite their low relative share of polling stations at risk, the Sofia and the Haskovo municipalities also have a high share of the total purchased and manipulated votes in the country — 3.2% and 3.5%, respectively.

Figure 1 Proportion of the potentially manipulated vote of the total vote in the municipality, EP2019



Votes at risk by political party

More than half of all the votes cast in polling stations at risk of vote purchasing and manipulation at the 2019 European Parliament Election were given for **MRF (57%)**. **GERB** are second with **19%**, and **BSP** third with **12%** (see Figure 2).

MRF is also the leader in terms of share of potentially purchased and manipulated votes out of the total votes for the party — **23%** (see Figure 3). A number of smaller parties also rank high based on this indicator, including **DOST (Democrats for Responsibility, Solidarity and Tolerance) — 16%**, **Bulgarian National Union (12%)**, **the Together Movement (10%)**, and **Direct Democracy (7%)**.

⁴ Lower threshold

Possible reasons for this outcome could be the low total number of votes for these parties, as well as the stronger majoritarian aspect of European Parliament elections, whereby individual candidates in specific municipalities can receive stronger support from the electorate.

4% of the votes for GERB were cast in polling stations exhibiting deviations at the 2019 European Parliament Election.

If it is assumed that the majority of purchased votes were cast for the winner in each respective polling station, then the share of votes cast for MRF in polling stations at risk increases to 79%, and GERB's share jumps to 14.2%.

Figure 2 Distribution of votes in polling stations at risk by political party (lower threshold), EP2019

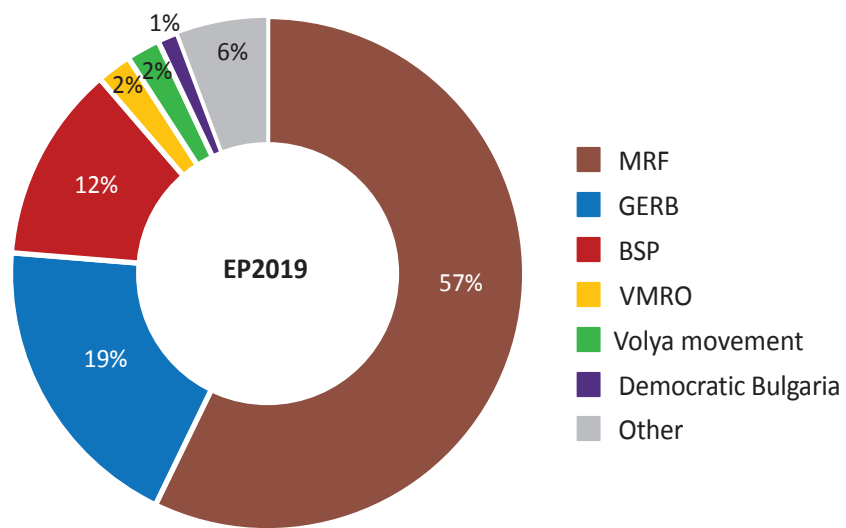
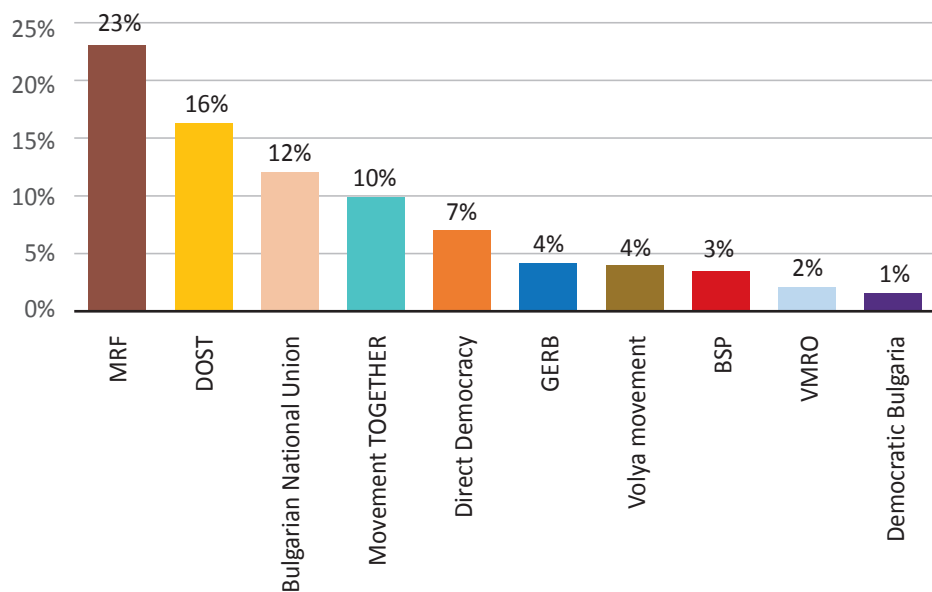


Figure 3 Proportion of the total votes for political parties cast in polling stations at risk (low outlier threshold), EP2019



APPENDIX

Dimensions of purchased and manipulated voting by municipality, European Parliament Election 2019

Municipality	Votes in polling stations at risk, lower threshold, % of votes in the municipality	Votes in polling stations at risk, upper threshold, % of votes in the municipality	Votes in polling stations at risk, lower threshold, % of risk vote	Votes in polling stations at risk, upper threshold, % of risk vote	Winner in polling stations at risk, lower threshold, % of votes in the municipality	Winner in polling stations at risk, upper threshold, % of votes in the municipality
AKSAKOVO	16.5%	19.2%	0.9%	0.7%	11.2%	12.7%
ALFATAR	23.3%	23.3%	0.2%	0.2%	14.3%	14.3%
ANTON	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ANTONOVO	1.8%	1.8%	0.0%	0.0%	0.9%	0.9%
APRILTSI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ARDINO	2.2%	3.0%	0.1%	0.1%	1.7%	2.5%
ASENOVGRAD	17.9%	24.6%	2.4%	2.5%	13.3%	16.8%
AVREN	1.4%	1.4%	0.0%	0.0%	0.7%	0.7%
AYTOS	28.9%	28.9%	1.9%	1.5%	20.4%	20.4%
BALCHIK	18.0%	18.0%	0.7%	0.5%	14.7%	14.7%
BANITE	2.1%	2.1%	0.0%	0.0%	0.7%	0.7%
BANSKO	0.0%	5.0%	0.0%	0.2%	0.0%	3.5%
BATAK	0.0%	8.5%	0.0%	0.1%	0.0%	2.7%
BELENE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BELITSA	0.0%	3.2%	0.0%	0.1%	0.0%	2.7%
BELOGRADCHIK	20.6%	20.6%	0.3%	0.2%	15.7%	15.7%
BEOSLAV	0.0%	9.1%	0.0%	0.1%	0.0%	4.8%
BELOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BERKOVITSA	1.7%	4.4%	0.1%	0.1%	0.9%	1.9%
BLAGOEVGRAD	3.8%	4.7%	0.6%	0.6%	2.5%	2.8%
BOBOSHEVO	5.1%	5.1%	0.0%	0.0%	1.7%	1.7%
BOBOV DOL	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BOLYAROVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BORINO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BOROVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BOTEVGRAD	8.3%	13.4%	0.6%	0.7%	5.1%	7.7%
BOTOVAN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BOYNITSA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BOYTCHINOVTSI	10.1%	10.1%	0.3%	0.2%	6.6%	6.6%
BOZHURISHTE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BRATSIGOVO	7.3%	7.3%	0.1%	0.1%	4.9%	4.9%
BRATYA DASKALOVI	23.6%	23.6%	0.4%	0.3%	14.1%	14.1%
BREGOVO	7.1%	7.1%	0.1%	0.1%	4.3%	4.3%
BREZNIK	0.0%	14.0%	0.0%	0.2%	0.0%	7.1%
BREZOVO	6.6%	8.5%	0.1%	0.1%	3.6%	4.8%
BRUSARTSI	3.2%	3.2%	0.1%	0.0%	2.4%	2.4%
BURGAS	2.1%	7.2%	0.9%	2.3%	1.3%	3.1%
BYALA	8.7%	8.7%	0.3%	0.2%	4.8%	4.8%
BYALA SLATINA	8.7%	8.7%	0.7%	0.5%	5.8%	5.8%
CHAVDAR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

CHELOPECH	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CHEPELARE	21.3%	21.3%	0.4%	0.3%	13.8%	13.8%
CHERNOOCHENE	1.1%	2.9%	0.0%	0.1%	0.7%	2.3%
CHERVEN BRYAG	5.6%	5.6%	0.3%	0.2%	3.5%	3.5%
CHIPROVTSI	3.6%	3.6%	0.1%	0.0%	1.3%	1.3%
CHIRPAN	28.0%	33.5%	1.3%	1.1%	22.0%	24.3%
CHUPRENE	7.8%	7.8%	0.0%	0.0%	3.1%	3.1%
DALGOPOL	26.0%	26.0%	1.3%	1.0%	19.8%	19.8%
DEVIN	1.3%	1.3%	0.0%	0.0%	0.9%	0.9%
DEVNYA	6.5%	6.5%	0.1%	0.1%	5.1%	5.1%
DIMITROVGRAD	8.3%	8.3%	0.9%	0.7%	4.4%	4.4%
DIMOVO	11.0%	11.0%	0.2%	0.1%	9.9%	9.9%
DOBRICH-CITY	2.4%	4.8%	0.4%	0.6%	1.5%	2.2%
DOBRICHKA	29.9%	31.3%	1.5%	1.2%	23.0%	24.1%
DOLNA BANYA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
DOLNA MITROPOLIYA	2.8%	2.8%	0.1%	0.1%	1.2%	1.2%
DOLNI CHIFLIK	13.6%	13.6%	0.6%	0.4%	11.2%	11.2%
DOLNI DABNIK	5.0%	5.0%	0.1%	0.1%	3.2%	3.2%
DOSPAT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
DRAGOMAN	2.6%	2.6%	0.0%	0.0%	1.5%	1.5%
DRYANOVO	5.7%	5.7%	0.1%	0.1%	4.7%	4.7%
DULOVO	8.4%	8.4%	0.7%	0.5%	6.4%	6.4%
DUPNITSA	3.8%	3.8%	0.4%	0.3%	2.2%	2.2%
DVE MOGILI	0.0%	5.4%	0.0%	0.1%	0.0%	4.2%
DZHEBEL	12.9%	14.5%	0.4%	0.4%	10.0%	11.4%
ELENA	9.2%	9.2%	0.2%	0.2%	6.6%	6.6%
ELHOVO	3.1%	3.1%	0.1%	0.1%	1.9%	1.9%
ELIN PELIN	1.2%	5.3%	0.0%	0.1%	0.7%	1.9%
ETROPOLE	1.6%	5.6%	0.0%	0.1%	0.6%	2.8%
GABROVO	3.1%	3.9%	0.4%	0.4%	1.5%	1.8%
GALABOVO	0.9%	0.9%	0.0%	0.0%	0.3%	0.3%
GARMEN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL TOSHEVO	14.5%	14.5%	0.4%	0.3%	10.1%	10.1%
GEORGI DAMYANOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GLAVINITSA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GODECH	2.2%	2.2%	0.0%	0.0%	1.8%	1.8%
GORNA MALINA	5.6%	5.6%	0.1%	0.1%	3.7%	3.7%
GORNA ORYAHOVITSA	6.7%	6.7%	0.6%	0.5%	3.3%	3.3%
GOTSE DELCHEV	33.1%	35.2%	2.5%	2.0%	28.7%	29.5%
GRAMADA	0.0%	7.0%	0.0%	0.0%	0.0%	4.2%
GULYANTSI	5.2%	8.5%	0.1%	0.1%	2.3%	3.8%
GURKOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HADZHIDIMOVO	19.8%	44.2%	0.5%	0.8%	15.2%	33.8%
HARMANLI	5.0%	12.1%	0.3%	0.6%	2.9%	7.7%
HASKOVO	15.3%	16.8%	3.5%	2.9%	10.9%	11.5%
HAYREDIN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HISARYA	0.0%	3.6%	0.0%	0.1%	0.0%	1.3%
HITRINO	3.2%	3.2%	0.1%	0.0%	1.5%	1.5%
IHTIMAN	1.7%	1.7%	0.1%	0.1%	0.9%	0.9%
ISKAR	7.7%	7.7%	0.1%	0.1%	4.9%	4.9%
ISPERIH	0.0%	2.8%	0.0%	0.1%	0.0%	2.3%

IVANOVO	2.9%	2.9%	0.1%	0.1%	1.5%	1.5%
IVAYLOVGRAD	7.1%	8.7%	0.2%	0.1%	4.4%	5.5%
KALOYANOVO	2.0%	2.0%	0.0%	0.0%	0.9%	0.9%
KAMENO	10.7%	19.2%	0.2%	0.3%	5.5%	9.1%
KAOLINOVO	4.3%	4.3%	0.2%	0.2%	2.8%	2.8%
KARDZHALI	15.1%	20.0%	2.6%	2.6%	12.7%	16.6%
KARLOVO	7.4%	11.9%	0.7%	0.8%	4.7%	7.2%
KARNOBAT	11.1%	14.0%	0.5%	0.5%	7.6%	8.9%
KASPICHAN	13.1%	13.1%	0.2%	0.1%	7.3%	7.3%
KAVARNA	3.6%	3.6%	0.1%	0.1%	2.0%	2.0%
KAYNARDZHA	5.2%	5.2%	0.1%	0.1%	4.6%	4.6%
KAZANLAK	7.0%	9.7%	1.1%	1.2%	5.5%	7.0%
KIRKOVO	3.5%	3.5%	0.2%	0.2%	2.5%	2.5%
KNEZHA	16.4%	16.4%	0.5%	0.4%	11.4%	11.4%
KOCHERINOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KOPRIVSHTITSA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KOSTENETS	7.8%	21.5%	0.2%	0.4%	4.5%	10.1%
KOSTINBROD	0.0%	2.8%	0.0%	0.1%	0.0%	1.4%
KOTEL	5.2%	5.2%	0.2%	0.2%	2.9%	2.9%
KOVATCHEVTSI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KOZLODUY	16.5%	16.5%	0.7%	0.5%	9.5%	9.5%
KRESNA	2.7%	2.7%	0.0%	0.0%	1.6%	1.6%
KRICHIM	8.4%	8.4%	0.1%	0.1%	7.5%	7.5%
KRIVODOL	7.0%	7.0%	0.2%	0.2%	4.3%	4.3%
KRUMOVGRAD	4.7%	4.7%	0.3%	0.2%	2.6%	2.6%
KRUSHARI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KUBRAT	7.0%	7.5%	0.3%	0.3%	4.2%	4.5%
KUKLEN	11.3%	11.3%	0.2%	0.1%	6.4%	6.4%
KULA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KYUSTENDIL	1.3%	3.9%	0.2%	0.3%	0.6%	1.8%
LAKI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
LESICHOVO	27.0%	27.0%	0.3%	0.2%	23.3%	23.3%
LETNITSA	0.0%	8.9%	0.0%	0.1%	0.0%	2.9%
LEVSKI	17.4%	18.1%	0.6%	0.5%	12.6%	13.2%
LOM	9.2%	12.6%	0.6%	0.6%	5.9%	8.5%
LOVECH	5.1%	7.8%	0.6%	0.7%	2.6%	4.3%
LOZNITSA	4.8%	4.8%	0.2%	0.1%	2.3%	2.3%
LUKOVIT	19.1%	19.1%	0.8%	0.6%	13.4%	13.4%
LYASKOVETS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
LYUBIMETS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MADAN	7.0%	7.0%	0.3%	0.2%	5.2%	5.2%
MADZHAROVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MAGLIZH	10.8%	10.8%	0.2%	0.1%	7.1%	7.1%
MAKRESH	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MALKO TARNOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MARITSA	14.5%	16.5%	0.8%	0.7%	9.1%	10.7%
MEDKOVETS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MEZDRA	9.1%	9.1%	0.4%	0.3%	4.5%	4.5%
MINERALNI BANI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MIRKOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MIZIYA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

MOMCHILGRAD	3.6%	3.6%	0.2%	0.2%	3.0%	3.0%
MONTANA	12.9%	16.9%	1.5%	1.5%	7.9%	9.3%
NEDELINO	6.7%	6.7%	0.1%	0.1%	2.8%	2.8%
NESEBAR	8.7%	8.7%	0.4%	0.3%	5.4%	5.4%
NEVESTINO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NIKOLA KOZLEVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NIKOLAEVO	22.7%	22.7%	0.3%	0.2%	21.2%	21.2%
NIKOPOL	23.9%	23.9%	0.6%	0.4%	19.1%	19.1%
NOVA ZAGORA	9.2%	14.0%	0.6%	0.7%	7.4%	10.1%
NOVI PAZAR	26.8%	30.0%	1.0%	0.9%	21.3%	22.7%
NOVO SELO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
OMURTAG	2.0%	2.0%	0.1%	0.1%	1.4%	1.4%
OPAKA	1.9%	1.9%	0.0%	0.0%	1.6%	1.6%
OPAN	4.1%	4.1%	0.0%	0.0%	1.7%	1.7%
ORYAHOVO	14.3%	14.3%	0.4%	0.3%	8.9%	8.9%
PANAGYURISHTE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PARVOMAY	11.2%	11.8%	0.5%	0.4%	7.1%	7.4%
PAVEL BANYA	6.1%	6.1%	0.2%	0.2%	5.1%	5.1%
PAVLIKENI	16.7%	16.7%	0.8%	0.6%	10.5%	10.5%
PAZARDZHIK	12.9%	16.1%	2.5%	2.3%	9.0%	10.5%
PERNIK	5.6%	6.9%	1.1%	1.0%	3.0%	4.0%
PERUSHTITSA	16.3%	16.3%	0.1%	0.1%	12.2%	12.2%
PESHTERA	0.0%	8.1%	0.0%	0.2%	0.0%	4.8%
PETRICH	5.4%	9.7%	0.6%	0.8%	3.0%	5.3%
PIRDOP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PLEVEN	7.8%	8.4%	2.0%	1.6%	5.8%	6.1%
PLOVDIV	3.9%	5.5%	2.6%	2.8%	2.6%	3.2%
POLSKI TRAMBESH	18.9%	18.9%	0.5%	0.4%	15.1%	15.1%
POMORIE	21.2%	27.1%	1.2%	1.2%	16.3%	20.2%
POPOVO	13.1%	14.9%	0.7%	0.6%	9.5%	10.7%
PORDIM	21.9%	21.9%	0.3%	0.2%	14.1%	14.1%
PRAVETS	3.3%	5.3%	0.1%	0.1%	2.2%	2.9%
PRIMORSKO	0.0%	12.8%	0.0%	0.2%	0.0%	5.9%
PROVADIYA	7.6%	13.6%	0.4%	0.6%	6.2%	10.7%
RADNEVO	3.8%	3.8%	0.1%	0.1%	2.1%	2.1%
RADOMIR	2.9%	4.0%	0.1%	0.1%	1.6%	2.4%
RAKITOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RAKOVSKI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RAZGRAD	18.2%	19.8%	1.8%	1.4%	11.4%	12.6%
RAZLOG	6.9%	6.9%	0.4%	0.3%	3.9%	3.9%
RILA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RODOPI	9.3%	11.4%	0.5%	0.5%	5.3%	6.6%
ROMAN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RUDOZEM	5.1%	5.1%	0.2%	0.1%	4.3%	4.3%
RUEN	4.0%	7.0%	0.4%	0.6%	3.5%	6.2%
RUSE	4.1%	5.2%	1.3%	1.2%	2.3%	2.8%
RUZHINTSI	15.0%	15.0%	0.2%	0.2%	10.5%	10.5%
SADOVO	7.8%	7.8%	0.2%	0.1%	5.4%	5.4%
SAEDINIE	3.0%	6.5%	0.1%	0.1%	1.0%	2.1%
SAMOKOV	20.0%	21.5%	1.8%	1.5%	14.7%	15.3%
SAMUIL	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

SANDANSKI	3.9%	7.1%	0.3%	0.4%	2.6%	4.4%
SAPAREVA BANYA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SARNITSA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SATOVCHA	11.9%	11.9%	0.5%	0.4%	8.0%	8.0%
SEPTEMVRI	27.5%	27.5%	1.4%	1.1%	23.7%	23.7%
SEVLIEVO	12.2%	15.1%	0.9%	0.8%	8.6%	10.7%
SHABLA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SHUMEN	6.8%	9.4%	1.2%	1.2%	4.3%	5.2%
SILISTRA	7.1%	8.4%	0.8%	0.8%	4.1%	4.6%
SIMEONOVGRAD	5.6%	5.6%	0.2%	0.1%	5.4%	5.4%
SIMITLI	3.8%	3.8%	0.2%	0.2%	2.9%	2.9%
SITOVO	16.3%	16.3%	0.3%	0.2%	12.5%	12.5%
SLIVEN	8.7%	13.8%	1.9%	2.2%	5.4%	8.0%
SLIVNITSA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SLIVO POLE	21.7%	21.7%	0.6%	0.4%	14.5%	14.5%
SMOLYAN	3.8%	4.3%	0.4%	0.3%	1.8%	2.0%
SMYADOVO	3.7%	3.7%	0.0%	0.0%	2.2%	2.2%
SOFIA	1.2%	3.8%	3.2%	7.8%	0.7%	1.5%
SOPOT	0.0%	5.6%	0.0%	0.1%	0.0%	2.2%
SOZOPOL	10.0%	15.5%	0.3%	0.3%	4.6%	6.8%
SREDETS	10.4%	10.4%	0.3%	0.2%	6.0%	6.0%
STAMBOLIYSKI	3.8%	3.8%	0.1%	0.1%	2.7%	2.7%
STAMBOLOVO	3.9%	3.9%	0.1%	0.1%	3.8%	3.8%
STARA ZAGORA	6.7%	9.8%	2.3%	2.6%	4.0%	5.2%
STRALDZHA	4.7%	4.7%	0.1%	0.1%	2.0%	2.0%
STRAZHITSA	15.3%	20.9%	0.4%	0.4%	9.0%	13.1%
STRELCHA	32.8%	32.8%	0.3%	0.3%	22.1%	22.1%
STRUMYANI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SUHINDOL	0.0%	9.0%	0.0%	0.0%	0.0%	5.3%
SUNGURLARE	3.8%	3.8%	0.1%	0.1%	3.1%	3.1%
SUVOROVO	3.1%	9.2%	0.1%	0.1%	2.6%	5.0%
SVILENGRAD	1.5%	1.5%	0.1%	0.1%	0.8%	0.8%
SVISHTOV	6.0%	6.0%	0.4%	0.3%	3.3%	3.3%
SVOGE	1.5%	1.5%	0.1%	0.0%	0.8%	0.8%
TARGOVISHTE	20.4%	23.2%	3.2%	2.7%	17.6%	20.1%
TERVEL	10.3%	10.3%	0.5%	0.3%	7.1%	7.1%
TETEVEN	10.1%	10.1%	0.6%	0.5%	6.0%	6.0%
TOPOLOVGRAD	0.0%	1.4%	0.0%	0.0%	0.0%	1.0%
TRAN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TREKLYANO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TROYAN	3.2%	4.8%	0.2%	0.3%	1.8%	2.4%
TRYAVNA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TSAR KALOYAN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TSAREVO	1.2%	1.2%	0.0%	0.0%	0.7%	0.7%
TSENOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TUNDZHA	1.2%	1.2%	0.1%	0.0%	0.9%	0.9%
TUTRAKAN	25.8%	25.8%	1.0%	0.7%	21.4%	21.4%
TVARDITSA	27.4%	29.3%	0.7%	0.6%	21.2%	22.4%
UGARCHIN	3.8%	3.8%	0.1%	0.1%	1.5%	1.5%
VALCHEDRAM	33.3%	33.3%	0.9%	0.7%	27.0%	27.0%
VALCHI DOL	7.5%	7.5%	0.2%	0.2%	4.8%	4.8%

VARBITSA	0.0%	3.1%	0.0%	0.1%	0.0%	2.6%
VARNA	2.3%	4.1%	1.6%	2.1%	1.7%	2.6%
VARSHETS	6.0%	6.0%	0.1%	0.1%	2.9%	2.9%
VELIKI PRES LAV	10.9%	13.9%	0.3%	0.2%	7.3%	8.5%
VELIKO TARNOVO	5.1%	10.0%	0.9%	1.3%	2.8%	4.5%
VELINGRAD	20.6%	22.3%	1.8%	1.4%	15.3%	16.6%
VENETS	1.9%	1.9%	0.1%	0.0%	1.7%	1.7%
VETOVO	2.5%	2.5%	0.1%	0.1%	1.2%	1.2%
VETRINO	17.3%	30.8%	0.3%	0.4%	14.1%	24.1%
VIDIN	6.3%	6.9%	0.7%	0.6%	3.4%	3.9%
VRATSA	1.6%	5.9%	0.3%	0.7%	0.7%	2.5%
YABLANITSA	3.0%	3.0%	0.0%	0.0%	1.5%	1.5%
YAKIMOVO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
YAKORUDA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
YAMBOL	5.2%	5.2%	0.7%	0.6%	3.9%	3.9%
ZAVET	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ZEMEN	0.0%	17.1%	0.0%	0.1%	0.0%	6.7%
ZLATARITSA	20.6%	20.6%	0.2%	0.2%	13.8%	13.8%
ZLATITSA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ZLATOGRAD	2.5%	2.5%	0.1%	0.0%	1.5%	1.5%

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