



# ESTIMATION OF THE NUMBER OF IRREGULAR MIGRANTS IN UKRAINE

← SUPPORT FOR MIGRATION AND ASYLUM  
MANAGEMENT IN UKRAINE (IMMIS)



Ministry  
of Internal Affairs  
of Ukraine

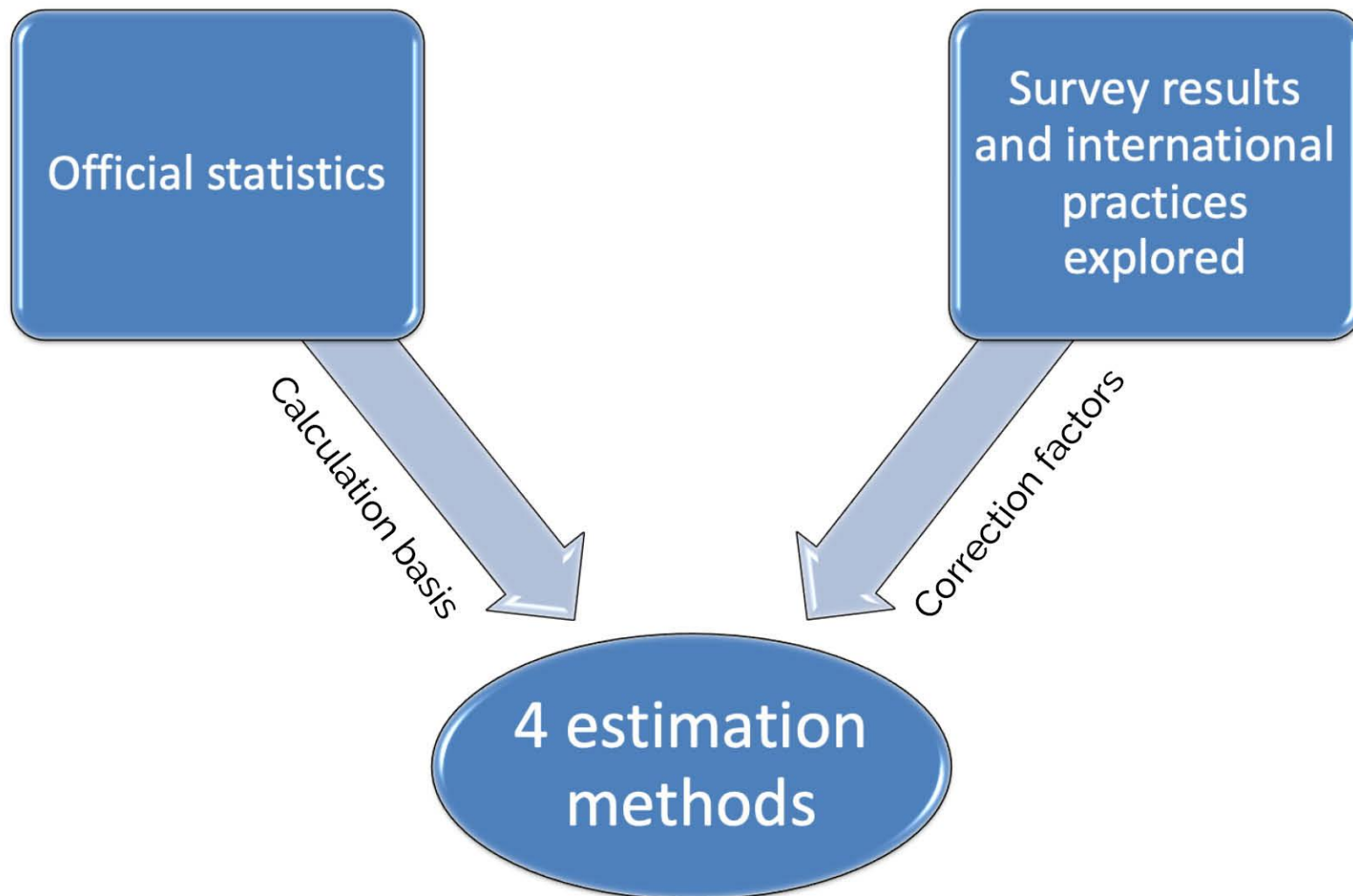


State  
Migration Service  
of Ukraine

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## ESTIMATION SCHEME



## THE FIRST ESTIMATION METHOD

- Data on the number of migrants regularly residing in Ukraine (Data of the SMS)

**423,500** persons

- The estimated value of the proportion of persons who have no grounds to stay in the country among all migrants.

**12.5** %

## THE FIRST ESTIMATION METHOD (EXTENSION)

The share of irregular migrants based on survey results

	Experts				Migrants	
	All experts	Leaders of migrant communities	Civil servants	Representatives of NGOs and IOs	Surveyed by questionnaires	Surveyed through social networks
The arithmetic mean	26.1	13.3	32.4	24.2	23.1	10.0
The median	10.0	5.0	16.3	15.0	10.0	0.0

$$N = \frac{M_l * p_n}{(100 - p_n)}$$

where **N** is the number of irregular migrants, **M<sub>l</sub>** is the number of migrants living in Ukraine on legal grounds, **p<sub>n</sub>** is the proportion of irregular migrants.

The number of irregular migrants according to this method **60,900** persons

## THE SECOND ESTIMATION METHOD

- Data on irregular migrants detected by the SMS

year 2019 **12,900** persons

total for years 2015-2019 **45,200** persons

- The respondents' estimates of the percentage of detected irregular migrants among all irregular migrants **70%**
- The estimated period for settlement of the legal status by the main share of migrants **5 years**



## THE SECOND ESTIMATION METHOD (EXTENSION)

$$N = \frac{N_r * 100}{p_r}$$

where  $N$  is the number of irregular migrants,  
 $N_r$  is the number of detected irregular migrants,  
 $p_r$  is the proportion of the detected migrants among the irregular migrants.

$$N_2 = \frac{(N_r^t + N_r^{t-1} * 0.8 + N_r^{t-2} * 0.6 + N_r^{t-3} * 0.4 + N_r^{t-4} * 0.2) * 0.85}{70}$$

where  $N_2$  is the number of irregular migrants based on this method,  $N_r^t$  is the number of irregular migrants detected by the SMS in the current year,  $N_r^{t-1}$  is the number of irregular migrants detected by the SMS in the previous year,  $N_r^{t-2}$  is the number of irregular migrants detected by the SMS two years ago,  $N_r^{t-3}$  is the number of irregular migrants detected by the SMS three years ago,  $N_r^{t-4}$  is the number of irregular migrants detected by the SMS four years ago,  $0.85$  is the correction factor which allows for the possibility of duplicate records.

## THE SECOND ESTIMATION METHOD (EXTENSION)

The share of detected irregular migrants among irregular migrants based on survey results

	Experts				Migrants
	All experts	Leaders of migrant communities	Civil servants	Representatives of NGOs and IOs	
The arithmetic mean	69.5	85.5	66.1	57.0	71.0
The median	80.0	97.0	70.0	57.0	80.0

The number of irregular migrants according to this method **37,700** persons



## THE THIRD ESTIMATION METHOD

- Data of the State Border Guard Service of Ukraine regarding the numbers of detected irregular migrants detained for illegal crossing of the state border when entering the country, and potential irregular migrants who were denied the entry at sections of the border with the former USSR countries.  
**year 2019 4,518 persons**  
**total for years 2015-2019 21,234 persons**
- Estimates of the success rate of attempts to cross the border illegally (the number of successful attempts per one unsuccessful attempt) **2**
- Estimates of the share of persons who entered the country by means of illegal border crossing among all irregular migrants **1/3 (33,3%)**
- The estimated period for settlement of the legal status by the main share of migrants **5 years**

## THE THIRD ESTIMATION METHOD (EXTENSION)

$$N = \frac{N_d * K_s * 100}{p_c}$$

where  $N$  is the number of irregular migrants,  $N_d$  is the number of detained persons at the attempt of illegal border crossing when entering Ukraine,  $K_s$  is the number of successful attempts to cross the border illegally per one unsuccessful attempt,  $p_c$  is the proportion of persons who crossed the border illegally among irregular migrants.

$$N_3 = 2 * (N_d^t + N_d^{t-1} * 0.8 + N_d^{t-2} * 0.6 + N_d^{t-3} * 0.4 + N_d^{t-4} * 0.2) * 3$$

$N_d^t$  is the number of irregular migrants detained by authorities of the State Border Guard Service of Ukraine for illegal border crossing and potential irregular migrants who were denied the entry at sections of the border with the CIS countries in the current year,

$N_d^{t-1}$  the number of irregular migrants detained by authorities of the State Border Guard Service of Ukraine for illegal border crossing and potential irregular migrants who were denied the entry at sections of the border with the CIS countries in the previous year,

$N_d^{t-2}$  is the number of irregular migrants detained by authorities of the State Border Guard Service of Ukraine for illegal border crossing and potential irregular migrants who were denied the entry at sections of the border with the CIS countries two years ago,

$N_d^{t-3}$  is the number of irregular migrants detained by authorities of the State Border Guard Service of Ukraine for illegal border crossing and potential irregular migrants who were denied the entry at sections of the border with the CIS countries three years ago,

$N_d^{t-4}$  is the number of irregular migrants detained by authorities of the State Border Guard Service of Ukraine for illegal border crossing and potential irregular migrants who were denied the entry at sections of the border with the CIS countries four years ago.

## THE THIRD ESTIMATION METHOD (EXTENSION)

### Irregular migration parameters

	The arithmetic mean based on survey results		International proportions
	Experts	Migrants	
The number of successful attempts to cross the border illegally per one unsuccessful attempt	<b>0.5-1.5</b>	<b>1.9</b>	<b>2</b>
The share of persons who entered the country by means of illegal border crossing among all irregular migrants, %	<b>20.0</b>	<b>51.5</b>	<b>33.3</b>

The number of irregular migrants according to this method **60,100** persons

**The forth method, which is the demographic method,** is in general promising, however, relevant calculations may be made only after the next all-Ukrainian population census and summarising its results.

**The number of irregular migrants (final results)**

**37,700-60,900 persons**