

Supplementary Material

Appendix A: Survey

Table 1. Average percentages

Q1: What kind of devices do you have available? Please select everything that is true for you. YOU MAY SELECT MULTIPLE OPTIONS		
	Mobile phone with Internet connection (smartphone)	60.6%
	Mobile phone without Internet connection	50.1%
	Laptop, personal computer or tablet	39.2%
	TV-set with Internet connection (smart TV)	33.5%
	TV-set without Internet connection	66.7%
	Radio	39.0%
	E-book	9.0%
	None of the listed	0.7%
	Hard to tell/I do not know	0.0%
	Refused to answer	0.4%
Q2: How do you usually learn news? Please list up to 3 sources that you use most often.3 OPTIONS MAXIMUM.		
	On TV	66,8%
	On YouTube	27,6%
	On the radio	24,4%
	From relatives, friends, colleagues, etc.	21,8%
	On Telegram (Telegram-channels)	20,8%
	On social media (Facebook, Twitter, etc.)	18%
	I check news on websites	12,7%
	I read newspapers and magazines (including online)	11,7%
	None of the listed	0,9%
	HARD TO TELL/I DO NOT KNOW	0.2%
	REFUSED TO ANSWER	0,5%
Q3. Do you use internet? If yes, how do you go online most often? ONLY ONE OPTION		
	From a smartphone	43,1%
	From a computer (stationary computer, laptop, tablet) at home	17,8%
	From a computer (stationary computer, laptop, tablet) out of home, with free access (for example, at a library)	0,8%
	From a computer out of home, with paid access (for example, in an Internet café)	0,1%
	I don't use the Internet	36,5%
	HARD TO TELL/I DO NOT KNOW	1.1%
Q4. What kind of software or applications from this list do you use? Please select everything that is true for you. YOU MAY SELECT MULTIPLE OPTIONS.		
	Messengers (Viber, WhatsApp, Telegram, etc.)	83,3%
	YouTube	81,4%
	Search engines (Google, Yandex, etc.)	67,9%
	Social media (Facebook, Twitter, Instagram, etc.)	62%
	DIIA application	50,4%
	E-mail	37,9%
	Video communication platforms (Skype, Zoom, etc.)	31%
	Music streaming platforms (Spotify, Bandcamp, etc.)	7%
	Video streaming platforms (Netflix, NBO, etc.)	4,4%
	None of the listed	1,7%
	HARD TO TELL/ I DO NOT KNOW	0.1%
	REFUSED TO ANSWER	0%
Q5. What do you use the Internet for? Please select everything that		

is true for you. YOU MAY SELECT MULTIPLE OPTIONS.		
	<i>I watch the news</i>	88.5%
	<i>I text on messengers or video chat with my family, friends</i>	85.1%
	<i>I search for information or advice</i>	83,2%
	<i>I get entertainment there (for example, watching movies, listening to music, reading books)</i>	65.2%
	<i>I pay my bills, utilities</i>	64.8%
	<i>I use the government services on the DIIA application</i>	37.6%
	<i>I shop online</i>	35.8%
	<i>Other</i>	2.2%
	<i>REFUSED TO ANSWER/HARD TO TELL</i>	0%
	<i>I DO NOT KNOW</i>	0%
Q6. Which of the following actions did you take on the Internet at least once over the last year? Please select everything that is true for you. YOU MAY SELECT MULTIPLE OPTIONS.		
	<i>I donated money online</i>	42,2%
	<i>I sent the news to relatives, friends</i>	41,7%
	<i>I expressed my opinion on social media (on my page or in comments)</i>	31,2%
	<i>I posted comments to materials on news websites</i>	18,6%
	<i>I joined an apartment co-owners group on messenger (Viber, WhatsApp, Telegram)</i>	16,3%
	<i>I signed a petition online</i>	14,8%
	<i>I joined a volunteer group on messenger (Viber, WhatsApp, Telegram)</i>	12,8%
	<i>I sent a letter by e-mail, a message on a messenger or social media to an official (for example, to the local council deputy)</i>	12,6%
	<i>I didn't do any of the above</i>	30,2%
	<i>REFUSED TO ANSWER</i>	0,2%
	<i>HARD TO TELL/I DO NOT KNOW</i>	0,8%
Q7. Please select the statements that you agree with. Please select all options that are true for you. YOU MAY SELECT MULTIPLE OPTIONS.		
	<i>I can make a photo or video with my smartphone</i>	74,3%
	<i>I can download a file from the Internet</i>	45,2%
	<i>I can change my profile photo on my social media page</i>	43,1%
	<i>I can upload a file on the Internet (for example, to send by e-mail)</i>	35,8%
	<i>I can create a group chat (for example, a group for relatives on Viber)</i>	33,2%
	<i>I can share my location in a message using a messenger</i>	28,1%
	<i>I can change the privacy settings on my social media page</i>	25,8%
	<i>I can create my own blog (for example, on a social media)</i>	13,4%
	<i>I agree with none of these statements</i>	16,7%
	<i>HARD TO TELL/I DO NOT KNOW</i>	1,7%
	<i>REFUSED TO ANSWER</i>	0,7%
Q8. Please select the statements that you agree with. Please select all the options that are true for you. YOU MAY SELECT MULTIPLE OPTIONS.		
	<i>I understand that social media (including You-Tube) suggest information for my news feed</i>	74,9%
	<i>I am confident in distinguishing between true and false news on traditional media (TV, radio, press)</i>	70.2
	<i>I am confident in distinguishing between true and false news online</i>	65.8
	<i>I can confidently assess the quality of information I receive from traditional media (TV, radio, press)</i>	71.3
	<i>I can confidently assess the quality of information I receive online</i>	62.7
	<i>I understand how to set up my social media news feed to get the information I need</i>	49%
	<i>I agree with none of the statements</i>	7%
	<i>HARD TO TELL/I DO NOT KNOW</i>	1%
	<i>REFUSED TO ANSWER</i>	0.7%

<i>available? Please select everything that is true for you. YOU MAY SELECT MULTIPLE OPTIONS</i>											
	<i>Mobile phone with Internet connection (smartphone)</i>	59.3	61.3	72.7	47.0	67.4	47.2	50.0	64.8	61.5	67.0
	<i>Mobile phone without Internet connection</i>	50.3	50.0	39.3	62.2	44.3	61.5	59.1	48.2	46.8	45.0
	<i>Laptop, personal computer or tablet</i>	45.3	35.8	47.2	30.3	44.7	28.5	34.4	40.4	43.0	38.0
	<i>TV-set with Internet connection (smart TV)</i>	37.6	31.2	39.8	26.3	35.5	29.5	32.3	34.6	35.1	30.1
	<i>TV-set without Internet connection</i>	63.5	68.5	60.3	74.0	65.2	69.7	66.4	67.0	69.0	62.5
	<i>Radio</i>	46.6	34.8	38.1	40.1	35.1	46.7	47.7	37.5	38.5	29.0
	<i>E-book</i>	8.8	9.0	9.6	8.3	10.0	6.9	9.7	8.6	9.0	8.6
	<i>None of the listed</i>	0.2	0.9	0.3	1.1	0.5	1.0	0.3	1.7	0.0	0.0
	<i>Hard to tell/I do not know</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<i>Refused to answer</i>	0.4	0.3	0.5	0.2	0.2	0.6	1.1	0.2	0.0	0.0
<i>Q2: How do you usually learn news? Please list up to 3 sources that you use most often.3 OPTIONS MAXIMUM.</i>											
	<i>On TV</i>	67.7	66.3	62.1	72.1	65.9	68.6	74.7	65.1	65.5	59.7
	<i>On YouTube</i>	33.2	24.5	32.6	22.0	31.3	20.5	22.5	27.8	29.4	32.7
	<i>On the radio</i>	27.3	22.8	20.7	28.6	21.5	30.2	28.0	29.4	18.2	17.0
	<i>From relatives, friends, colleagues, etc.</i>	18.5	23.7	20.8	22.9	20.8	23.7	22.4	20.8	22.1	22.7
	<i>On Telegram (Telegram-channels)</i>	17.4	22.7	27.1	13.7	23.7	15.2	16.3	19.0	24.1	27.2
	<i>On social media (Facebook, Twitter, etc.)</i>	18.0	18.0	24.1	11.1	20.1	13.9	16.8	21.5	16.1	14.8
	<i>I check news on websites</i>	15.9	10.9	16.7	8.3	14.7	8.7	11.1	12.7	13.7	13.7
	<i>I read newspapers and magazines (including online)</i>	9.5	13.0	8.0	15.9	7.9	19.2	19.7	13.5	5.1	5.5
	<i>None of the listed</i>	0.8	0.9	0.6	1.2	1.3	0.0	0.7	0.4	1.5	1.3
	<i>HARD TO TELL/I DO NOT KNOW</i>	0.2	0.2	0.4	0.0	0.1	0.4	0.3	0.2	0.2	0.0
	<i>REFUSED TO ANSWER</i>	0.4	0.5	0.6	0.4	0.4	0.6	1.1	0.2	0.5	0.0
<i>Q3. Do you use internet? If yes, how do you go online most often? ONLY ONE OPTION</i>											
	<i>From a smartphone</i>	36.1	47.1	54.5	30.4	48.7	32.3	36.3	45.2	43.0	50.0
	<i>From a computer (stationary computer, laptop, tablet) at home</i>	27.3	12.5	18.1	17.5	19.8	14.0	14.2	18.9	20.4	17.2
	<i>From a computer (stationary computer, laptop, tablet) out of</i>	0.9	0.8	1.1	0.6	0.7	1.1	1.4	0.9	0.7	0.0

	<i>home, with free access (for example, at a library)</i>										
	<i>From a computer out of home, with paid access (for example, in an Internet café)</i>	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.3	0.0	0.0
	<i>I don't use the Internet</i>	34.2	37.8	24.4	50.1	29.6	50.1	44.4	33.3	35.3	32.8
	<i>HARD TO TELL/I DO NOT KNOW</i>	1.2	1.1	1.2	1.1	0.7	1.9	2.5	1.2	0.3	0.0
	<i>REFUSE TO ANSWER</i>	0.4	0.5	0.5	0.4	0.3	0.6	1.1	0.2	0.3	0.0
<i>Q4. What kind of software or applications from this list do you use? Please select everything that is true for you. YOU MAY SELECT MULTIPLE OPTIONS.</i>											
	<i>Messengers (Viber, WhatsApp, Telegram, etc.)</i>	77.8	86.6	87.3	76.5	82.5	85.5	87.4	81.0	84.3	81.6
	<i>YouTube</i>	82.7	80.7	83.4	78.0	83.3	76.0	75.6	82.3	84.3	82.4
	<i>Search engines (Google, Yandex, etc.)</i>	68.7	67.5	73.3	58.6	71.4	57.9	64.9	65.1	73.6	69.0
	<i>Social media (Facebook, Twitter, Instagram, etc.)</i>	51.7	68.2	66.4	54.4	59.2	70.0	66.9	62.8	61.0	55.2
	<i>DIIA application</i>	50.5	50.4	55.9	41.0	53.9	40.2	40.9	52.0	53.6	53.9
	<i>E-mail</i>	44.7	33.8	41.2	32.2	40.4	30.5	36.3	39.9	35.5	38.9
	<i>Video communication platforms (Skype, Zoom, etc.)</i>	28.4	32.5	31.0	31.0	33.6	23.5	28.3	30.5	29.2	38.8
	<i>Music streaming platforms (Spotify, Bandcamp, etc.)</i>	7.4	6.7	5.4	9.7	5.5	11.0	5.0	7.1	8.1	7.3
	<i>Video streaming platforms (Netflix, NBO, etc.)</i>	5.9	3.5	4.3	4.6	4.3	4.8	2.8	4.2	5.8	4.7
	<i>None of the listed</i>	4.2	0.2	1.2	2.6	0.9	4.0	4.9	0.9	1.3	0.0
	<i>HARD TO TELL/ I DO NOT KNOW</i>	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0
	<i>REFUSED TO ANSWER</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Q5. What do you use the Internet for? Please select everything that is true for you. YOU MAY SELECT MULTIPLE OPTIONS.</i>											
	<i>I watch the news</i>	90.1	87.6	92.2	82.2	89.6	85.4	94.4	87.2	85.3	89.4
	<i>I text on messengers or video chat with my family, friends</i>	78.3	89.2	87.6	80.8	83.7	89.2	83.8	87.2	83.2	85.1
	<i>I search for information or advice</i>	81.9	84.0	88.2	74.8	83.6	82.2	89.0	80.4	81.4	85.3
	<i>I get entertainment there (for example, watching movies, listening to music, reading books)</i>	64.3	65.7	68.4	59.7	67.0	60.1	58.4	62.6	69.1	73.6

MULTIPLE OPTIONS.											
	<i>I can make a photo or video with my smartphone</i>	41.7	43.9	46.9	36.5	44.1	40.1	47.9	45.1	40.8	35.8
	<i>I can download a file from the Internet</i>	53.6	40.2	48.5	39.5	47.2	39.4	47.0	44.9	43.6	46.4
	<i>I can change my profile photo on my social media page</i>	41.7	43.9	46.9	36.5	44.1	40.1	47.9	45.1	40.8	35.8
	<i>I can upload a file on the Internet (for example, to send by e-mail)</i>	42.7	31.7	40.0	28.6	37.6	30.7	39.1	34.5	35.5	35.1
	<i>I can create a group chat (for example, a group for relatives on Viber)</i>	29.7	35.2	38.4	24.3	32.3	35.7	42.6	33.5	29.9	25.5
	<i>I can share my location in a message using a messenger</i>	31.7	26.0	33.0	19.7	26.2	33.6	36.2	27.8	27.1	19.9
	<i>I can change the privacy settings on my social media page</i>	30.5	22.9	30.3	18.0	25.9	25.4	30.0	26.2	23.3	23.2
	<i>I can create my own blog (for example, on a social media)</i>	18.1	10.5	16.1	8.7	13.0	14.4	15.6	14.0	11.7	11.6
	<i>I agree with none of these statements</i>	15.7	17.3	11.1	26.3	16.0	18.6	18.0	15.5	18.1	15.2
	HARD TO TELL/I DO NOT KNOW	1.5	1.8	0.6	3.5	1.4	2.7	0.9	2.6	2.1	0.0
	REFUSED TO ANSWER	1.4	0.3	0.6	1.0	0.8	0.5	0.5	0.3	0.7	2.1
Q8. Please select the statements that you agree with. Please select all the options that are true for you. YOU MAY SELECT MULTIPLE OPTIONS.											
	<i>I understand that social media (including You-Tube) suggest information for my news feed</i>	79.2	72.4	79.7	66.8	76.8	69.6	76.9	74.3	75.3	73.1
	<i>I am confident in distinguishing between true and false news on traditional media (TV, radio, press)</i>	78.1	65.5	71.6	67.8	70.3	69.9	77.6	71.7	66.7	62.6
	<i>I am confident in distinguishing between true and false news online</i>	73.3	61.4	66.6	64.4	64.6	69.4	68.2	67.2	67.1	57.5
	<i>I can confidently assess the quality of information I receive from traditional media (TV, radio, press)</i>	79.6	66.3	73.0	68.4	71.1	72.0	76.1	73.8	67.1	66.0
	<i>I can confidently assess the quality of information I receive online</i>	68.4	59.3	64.6	59.5	63.6	60.1	67.1	64.1	61.4	56.1

	<i>I understand how to set up my social media news feed to get the information I need</i>	53.5	46.4	53.1	42.1	48.6	50.2	55.5	50.0	47.1	41.5
	<i>I agree with none of the statements</i>	4.2	8.7	5.1	10.3	6.1	9.7	5.6	7.9	5.5	9.5
	<i>HARD TO TELL/I DO NOT KNOW</i>	0.7	1.2	0.4	2.1	1.0	1.0	1.7	0.0	0.0	4.2
	<i>REFUSED TO ANSWER</i>	1.8	0.1	0.9	0.5	0.8	0.5	0.5	0.3	1.3	1.1
Q9. Have you used these online services over the last month? Please select all options that are true for you. YOU MAY SELECT SEVERAL OPTIONS											
	<i>I paid for utilities online</i>	62.4	57.2	61.0	56.0	62.5	49.6	53.5	62.3	59.6	58.4
	<i>I used a bank account online</i>	53.3	45.3	52.1	41.7	51.7	38.5	40.1	49.2	49.8	54.3
	<i>I shopped online</i>	36.7	24.0	32.3	22.6	30.6	23.3	27.1	30.0	28.6	28.0
	<i>I used medical services online (for example, made an appointment, chatted with a medical doctor)</i>	26.3	29.5	28.8	27.5	30.4	22.0	35.3	27.3	26.2	24.8
	<i>I used government services on the DIIA application</i>	24.4	16.6	21.5	16.0	20.1	17.7	17.8	18.6	19.2	24.3
	<i>I haven't done any of the above</i>	19.9	24.6	21.7	24.9	20.4	30.0	26.5	21.2	24.9	18.6
	<i>HARD TO SAY/DON'T KNOW</i>	0.5	2.2	0.3	3.7	0.9	3.4	0.9	2.9	1.1	0.0
	<i>REFUSED TO ANSWER</i>	1.5	0.3	1.0	0.5	0.8	0.8	0.5	0.0	1.3	2.1
Q10. If you do not use the listed services, why don't you? Please choose up to 3 of the most important reasons for you. 3 OPTIONS MAXIMUM.											
	<i>I prefer real-life communication</i>	44.1	46.1	41.2	51.7	46.9	42.5	60.1	40.2	40.8	41.7
	<i>I do not understand how to use these services</i>	37.1	48.8	45.9	43.5	39.7	55.1	30.8	49.8	44.8	59.7
	<i>I am afraid to be scammed online (for example, the passport or credit card numbers could be stolen)</i>	31.4	20.3	24.6	23.0	21.4	28.9	27.3	29.3	22.1	7.4
	<i>I do not trust people that I know exclusively from</i>	14.9	12.2	12.0	14.7	11.0	17.1	15.6	18.0	6.5	10.5

	<i>online communication</i>										
	<i>I am worried that somebody can watch me through my smartphone or computer</i>	7.6	10.6	9.2	10.1	8.3	12.0	15.6	6.5	7.2	11.6
	<i>I do not have devices for that (smartphone, computer)</i>	3.9	6.3	4.0	7.8	7.4	1.8	3.2	2.6	9.1	9.3
	<i>Other</i>	3.2	3.1	3.3	2.9	4.0	1.5	0.8	1.6	6.5	3.9
	REFUSED TO ANSWER	1.4	0.4	1.2	0.0	1.1	0.0	1.8	0.0	0.9	0.0
Q11. Would you like to gain these skills or improve your knowledge, or not? IF YES, Please choose up to 3 of the most important skills for you. 3 OPTIONS MAXIMUM.											
	<i>A skill to pay utilities online</i>	14.7	15.2	16.4	13.4	15.5	14.1	16.9	11.6	17.0	16.6
	<i>A skill to use the DIIA application</i>	9.0	12.4	12.1	10.1	11.5	10.5	8.5	11.9	11.6	13.5
	<i>Using a smartphone and/or a computer</i>	11.6	9.9	11.1	9.8	10.5	10.6	7.0	10.6	13.0	12.0
	<i>Verifying information, screening fakes</i>	7.7	10.4	10.6	8.1	9.4	9.5	8.5	7.7	11.4	11.5
	<i>Searching for true information online</i>	9.2	8.3	11.5	5.3	8.9	7.9	10.3	8.5	8.6	5.9
	<i>Protecting privacy online</i>	5.5	4.3	7.0	2.2	5.8	2.8	3.1	5.7	6.5	2.4
	<i>A skill to buy goods and services online</i>	4.4	5.0	6.1	3.3	6.1	2.2	4.6	3.7	4.4	8.4
	<i>Using geolocation (finding your location on map)</i>	4.9	3.3	5.3	2.3	4.3	3.1	2.7	3.6	5.1	4.7
	<i>Online translation</i>	3.4	3.3	4.7	1.8	4.1	1.8	2.6	3.7	3.5	3.4
	<i>Creating a page and managing your own page on social media</i>	2.4	2.1	3.1	1.3	2.8	1.2	2.6	2.0	1.7	3.3
	<i>Taking photos, videos, recording audio</i>	1.8	2.5	2.2	2.3	2.5	1.8	2.1	1.6	1.9	4.8
	<i>Creating your own blog, your own website</i>	1.8	1.1	2.5	0.1	1.7	0.7	1.5	1.3	1.8	0.5
	<i>Other</i>	5.1	4.2	3.2	6.1	3.9	5.8	5.3	4.3	3.2	6.3
	I DON'T WANT TO LEARN THESE SKILLS OR IMPROVE MY KNOWLEDGE	44.1	44.8	38.0	52.0	43.7	46.3	43.6	45.9	45.9	40.8
	HARD TO TELL/I DO NOT KNOW	6.0	7.5	8.2	5.5	6.3	8.3	6.7	7.8	5.4	8.1
	REFUSED TO ANSWER	1.8	1.4	1.6	1.6	1.5	1.6	2.4	0.9	2.2	0.5

Notes: Macro-regional structure: West - Volyn, Rivne, Lviv, Ivano-Frankivsk, Ternopil, Zakarpattya, Khmelnytskyi, Chernivtsi oblasts; Centre - Vinnytsia, Zhytomyr, Sumy, Chernihiv, Poltava, Kirovograd [Kropyvnytskyi], Cherkasy, Kyiv oblasts and Kyiv city; South - Dnipro, Zaporizhyya, Mykolayiv, Kherson, Odesa oblasts; East - Donetsk, Luhansk, Kharkiv oblasts.

