

International Microbiota Observatory

L'Observatoire International des Microbiotes

Third wave

Polish results







Methods



Methods

This international survey was conducted online in **11 countries** from January 21st– February 28th, 2025. **7,500 people** were interviewed in the 11 countries, among representative samples of the population aged 18 y.o. and more in each country.

6 countries had already been surveyed in 2024 and in 2023:





Mexico (n=1,000)

France (n=1,000)

Portugal (n=500)

China (n=1,000)

3 countries had been added to the survey in 2024:

Poland (n=500)

+ Finland (n=500)

∀ Vietnam (n=500)

2 countries have been added to the scope this year:

Germany (n=500)

(n=500)

An automated selection from the Ipsos Panel ensured representative samples in each country (gender, age, employment status and country region) based on quota method.

Comments



= Average response for all 11 countries.

(n=7,500)



= Focus on detailed results according to different criteria such as gender, age, presence of children under 3yo, individuals with health conditions.

Significant differences vs total - superior



Significant differences vs total - inferior

+Xpts/-Xpts

Significant changes since the last wave (2024)

These coloured indications show results that are statistically different (above or below) the average for all respondents.

All results are presented in %.

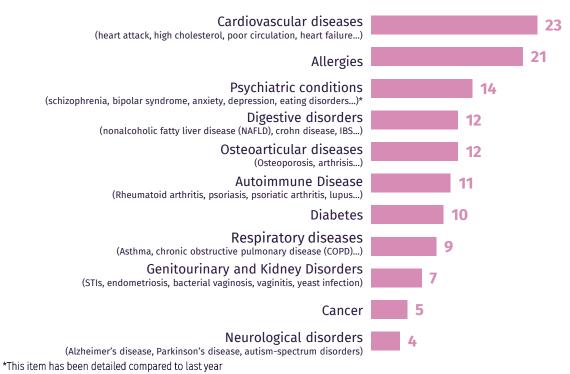
Some results have a low basis, results must be interpreted with cautious.

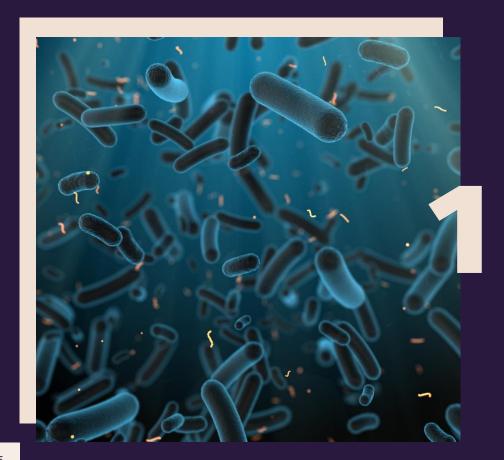


People with current conditions A focus detailed throughout the report



RS10. Among the following health problems, indicate those you suffer from. Base: All respondents





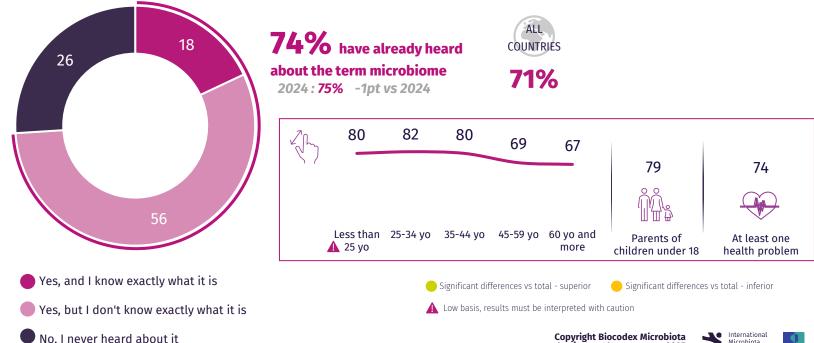
Polish awareness of the microbiome aligns with global trends, but shows no signs of progression in 1 year.



Almost 4 out of 5 people have already heard of the term 'microbiome', but still less than 1/5 know exactly what it is, no evolution observed.



Question 2. Have you ever heard of the "microbiome"? Base: All respondents



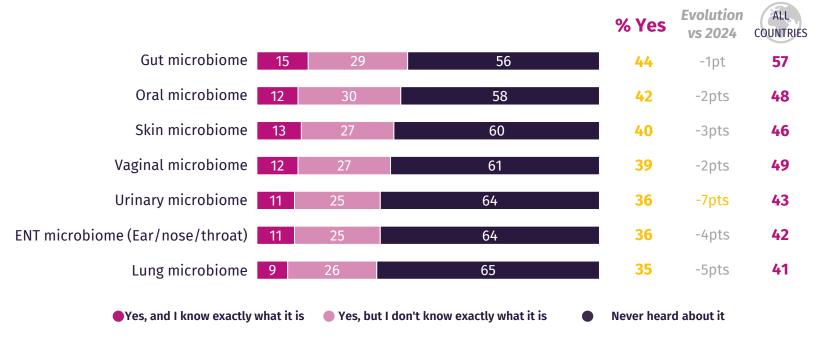




In detail, awareness of different microbiome types remains limited, lagging behind global results and showing no progress. Only a small proportion of respondents know exactly what they are.



Question 3. And more specifically, have you ever heard of the following terms? Base: All respondents

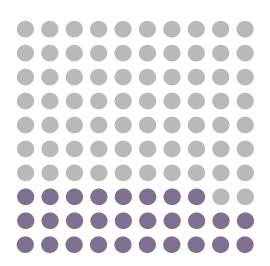




In fact, approximately one-quarter of respondents have heard about each microbiome type, mirroring global trends but demonstrating no advancement in public Polish awareness.



Question 3. And more specifically, have you ever heard of the following terms? Base: All respondents



28% have already heard of each microbiome: Gut, vaginal, skin, lung, urinary, oral and ENT microbiome 2024:31% -3pts vs 2024



31%



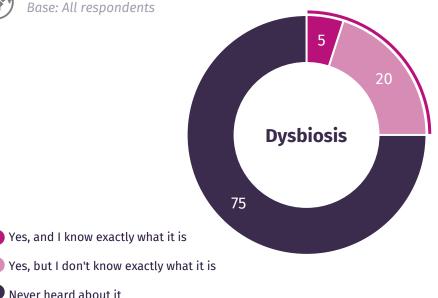
But only **6%** know <u>precisely</u> all of them

2024:6% = vs 2024



Dysbiosis is not a popular term among Polish people, even slightly lower compared to last year and to global average. The 35-44 yo are those more aware about it.

Question 3. And more specifically, have you ever heard of the following terms?

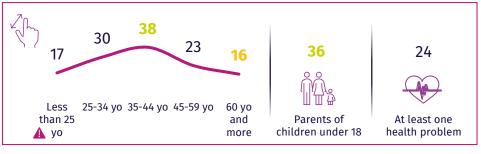


25% have already heard about the term 'dysbiosis'

2024: 27% -2pts vs 2024



33%





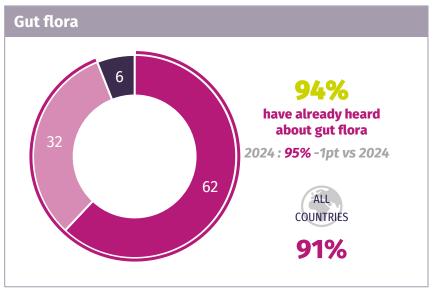


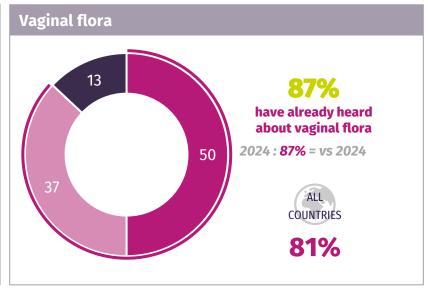


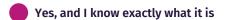
As observed in the previous year, the term 'flora' remains more widely recognized than 'microbiome' in Poland.



Question 2bis. And have you ever heard of these terms? Base: All respondents









No, I never heard about it

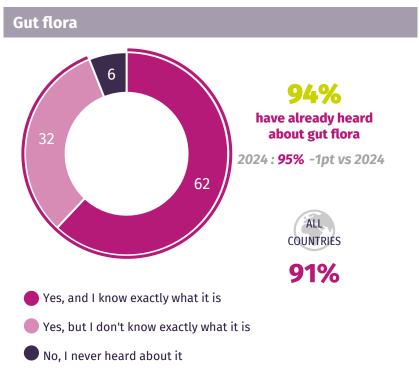


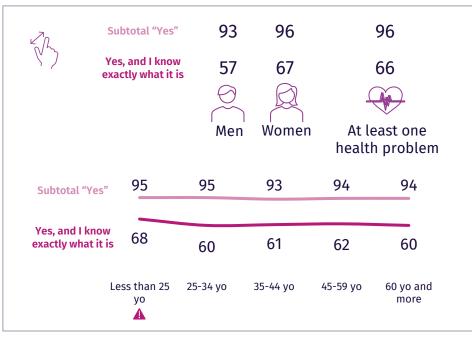






Question 2bis. And have you ever heard of these terms? Base: All respondents











Once again, women groups appear more aware of vaginal flora.

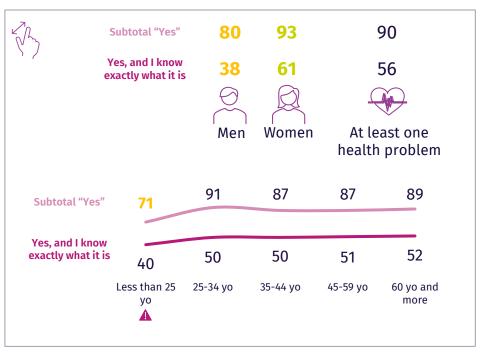


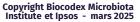
Question 2bis. And have you ever heard of these terms? Base: All respondents

Vaginal flora 13 87% have already heard about vaginal flora 2024: 87% = vs 2024 50 37 ALL COUNTRIES 81% Yes, and I know exactly what it is

Yes, but I don't know exactly what it is

No. I never heard about it











Polish microbiome knowledge has slightly improved since last year and exceeds global averages in some areas, but lags behind in understanding gut-brain communication and microbiome composition



Most Poles maintain a good understanding of the microbiome's role and functions, with this knowledge showing a tendency to increase.

Quest really

Question 4. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.

Base: All respondents	V	Good answer					ng answers/ on't know	Good answer Evolution vs 2024
Antibiotics have an impact on our microbiome		84	V		2	14	16	+4pts
Our diet has significant consequences on the balance of our microbiome		83	V		2	15	17	+1pt
In some cases, an imbalance in the microbiome may have significant health consequences		81	>		2	17	19	+5pts
The microbiome plays an important role in immune defense mechanisms		81	/		3	16	19	+5pts
In the field of vaginal health , the microbiome plays an important role in women's health		75 🗸		3		22	25	=
Many diseases such as irritable bowel syndrome (IBS), obesity, vaginosis could be linked to the microbiome		68 🗸		3	29		32	-2pts
Your microbiome is located exclusively in the gut	12	56	>		32		44	+6pts
The microbiome enables the gut to deliver essential information to the brain for our health		50 🗸	8	4	2		50	+3pts
The microbiome is only made up of bacteria	23	24 🗸		53			76	=
	7	True	False	Do	n't rea	ally knov	v	
Definition displayed to respondents before this question. In the past the								







While Poles demonstrate better understanding of certain microbiome aspects, they lag behind global averages in comprehending the microbiome's role in gut-brain communication and its composition.



% good ansi

Question 4. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.

Base: All respondents

wer		Total	ALL COUNTRIES
	Antibiotics have an impact on our microbiome	84	73
	Our diet has significant consequences on the balance of our microbiome	83	80
	In some cases, an imbalance in the microbiome may have significant health consequences	81	79
	The microbiome plays an important role in immune defense mechanisms	81	76
	In the field of vaginal health , the microbiome plays an important role in women's health	/->	70
	Many diseases such as irritable bowel syndrome (IBS), obesity, vaginosis could be linked to the microbiome	68	68
	Your microbiome is located exclusively in the gut	56	53
	The microbiome enables the gut to deliver essential information to the brain for our health	50	56
	The microbiome is only made up of bacteria	24	32





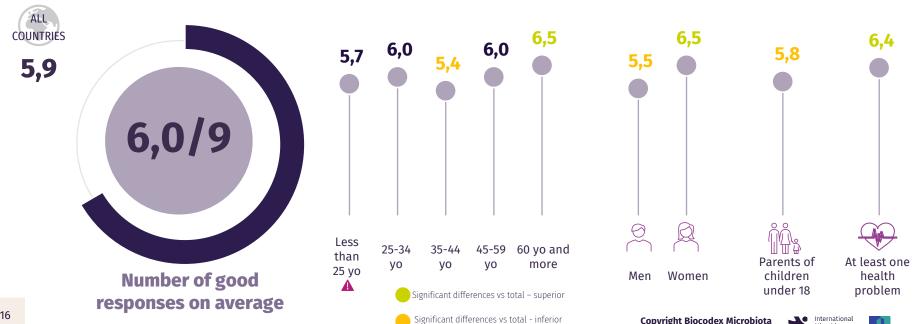


Poles aged 60 and above, women, and people with health conditions demonstrate a more comprehensive understanding of the microbiome.



Question 4. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.

Base: All respondents



A Low basis, results must be interpreted with caution

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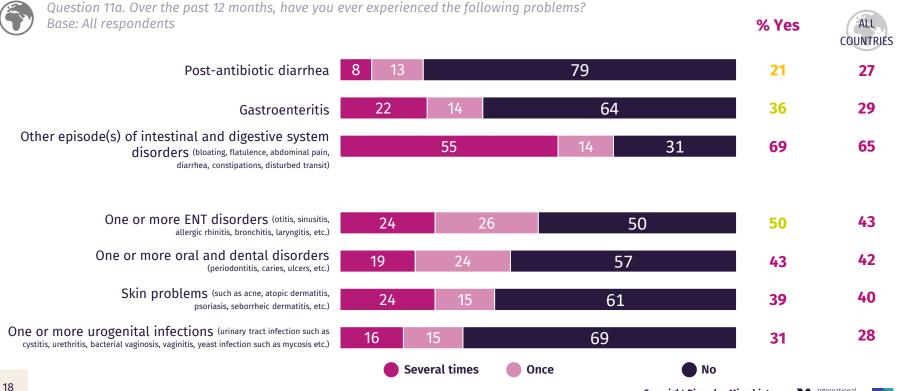


When faced with a microbiome-related health problem, some people actually link it to their microbiome



Over the past 12 months, post-antibiotic diarrhea affected 1 in 5 individuals and gastroenteritis impacted 1 out of 3 people. 2 out of 3 people experienced other intestinal and digestive system disorders.

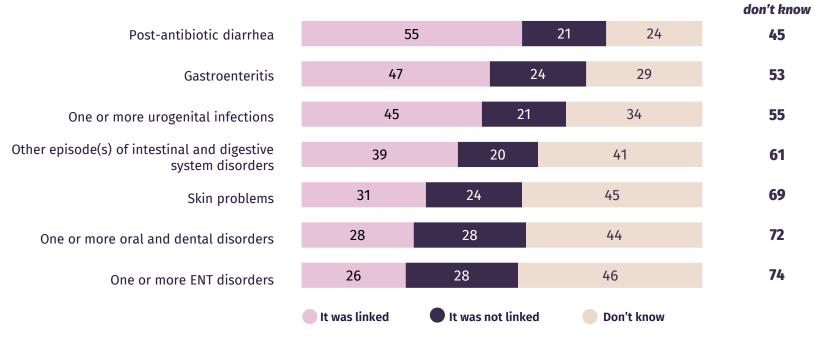




While many individuals struggle to connect their health problems with the microbiome, a majority of Poles associate post-antibiotic diarrhea with their microbiome.



Question 11b. And do you think this or these problems are linked to your microbiome? Base: People who have experienced these problems



% Not linked /



Awareness of the link between microbiome and health problems among Poles shows no significant year-over-year change, remaining rather consistent with global norms.



Question 11b. And do you think this or these problems are linked to your microbiome? Base: People who have experienced these problems

nked		Total	Evolution vs 2024	ALL
	Post-antibiotic diarrhea	55	-3pts	59
	Gastroenteritis	47	+3pts	48
One or n	nore urogenital infections	45	-10pts	52
Other episode(s) of intest	inal and digestive system disorders	39	-4pts	48
	Skin problems	31	-3pts	37
One or more	oral and dental disorders	28	-4pts	34
0	ne or more ENT disorders	26	-6pts	31





To maintain a balanced microbiome, Poles are more likely to modify their behaviors, with still a higher propensity for consuming probiotics and prebiotics compared to the average.

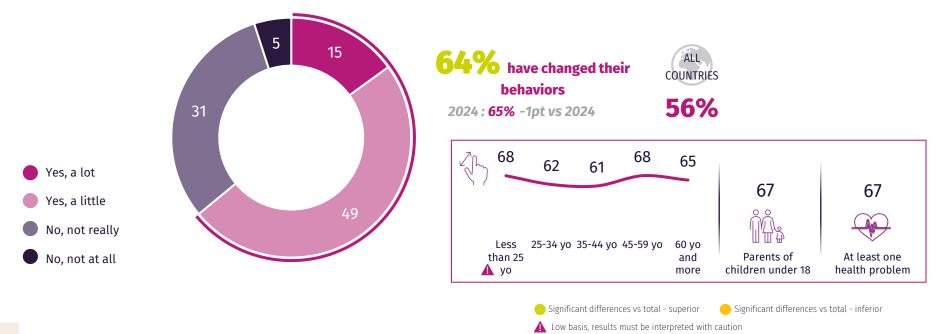


Nearly 2/3 of Poles report modifying their behaviors to maintain microbiome balance and optimal function, exceeding global averages but showing no year-over-year progression.



Question 10. And in your daily life, have you changed your behaviors to keep your microbiome as balanced and functioning as smoothly as possible?

Base: All respondents

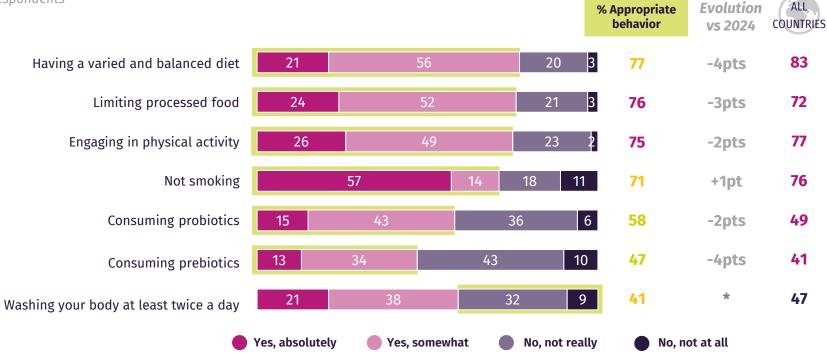








Question 11. In your daily life, do you regularly adopt the following behaviors? Base: All respondents



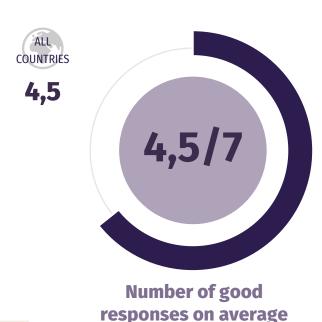


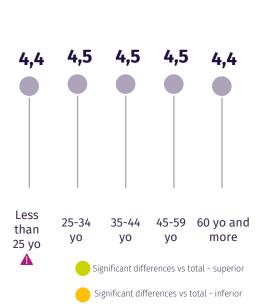


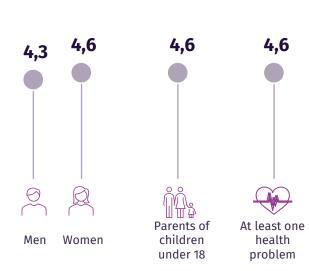
The adoption of positive behaviors related to microbiome health among Poles remains consistent across age groups, gender, and health status.



Question 11. In your daily life, do you regularly adopt the following behaviors? Base: All respondents







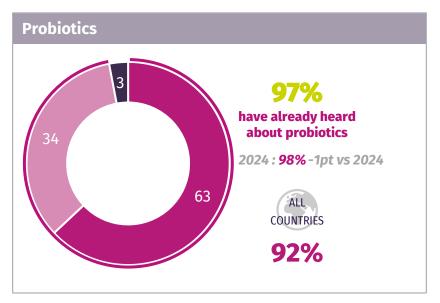


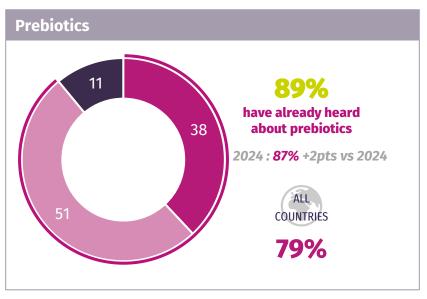


Same as last year, probiotics and prebiotics are known by the majority, even at higher levels compared to global results.



Question 2bis. And have you ever heard of these terms? Base: All respondents





Yes, and I know exactly what it is 🧶 Yes, but I don't know exactly what it is 💮 No, I never heard about it



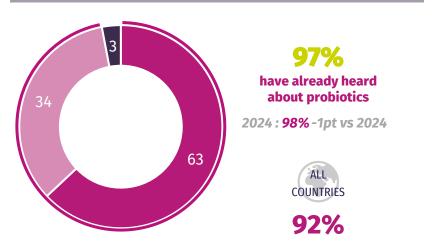


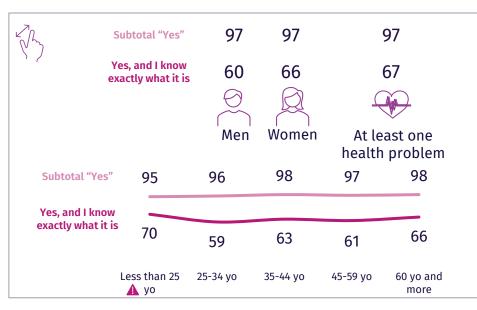




Question 2bis. And have you ever heard of these terms? Base: All respondents

Probiotics













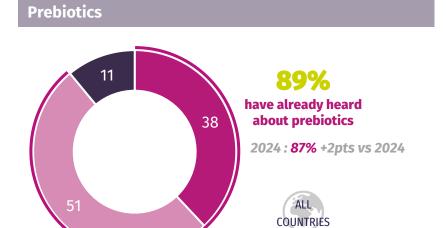


Women are also more aware of prebiotics.

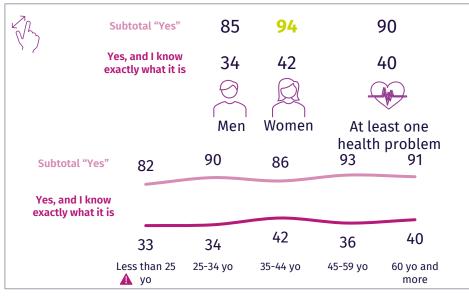


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Question 2bis. And have you ever heard of these terms? Base: All respondents



79%











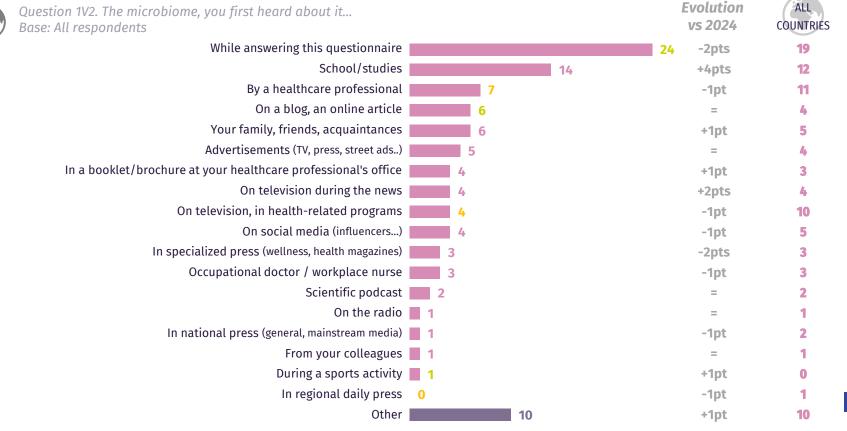






From Prescriptions to Education: Expanding the Role of Healthcare Professionals in Poland's Microbiome Awareness

1 in 4 people discover the microbiome answering the survey. School emerges as the second most significant source of microbiome awareness.



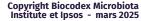




Poles aged 60 and over first heard about the microbiome through the questionnaire.

Question 1V2. The microbiome, you first heard about it...

) Base: All respondents	Total	Less than 25 yo	25-34 yo	35-44 yo	45-59 yo	60 yo and more	Men	Women	At least one health problem
		n=39 🚹	n=76	n=101	n=118	n=166	n=238	n=262	n=309
While answering this questionnaire	24	18	14	21	22	33	24	24	23
School/studies	14	14	21	18	14	8	12	16	15
By a healthcare professional	7	5	6	5	10	7	7	8	9
On a blog, an online article	6	8	7	5	7	6	5	7	5
Your family, friends, acquaintances	6	15	8	8	3	3	6	6	6
Advertisements (TV, press, street ads)	5	10	10	5	4	3	5	6	6
In a booklet/brochure at your healthcare professional's office	4	3	6	1	3	6	3	4	4
On television during the news	4	0	6	5	3	3	5	2	3
On television, in health-related programs	4	0	1	3	10	3	4	4	3
On social media (influencers)	4	3	6	6	3	4	4	4	4
In specialized press (wellness, health magazines)	3	0	3	1	4	4	3	3	4
Occupational doctor / workplace nurse	3	4	1	3	2	5	3	4	4
Scientific podcast	2	7	1	1	1	1	2	1	2
On the radio	1	0	0	0	1	1	1	0	1
In national press (general, mainstream media)	1	3	0	1	1	3	2	1	1
From your colleagues	1	0	3	1	0	0	2	0	0
During a sports activity	1	0	0	1	2	0	1	0	1
In regional daily press	0	0	1	1	0	0	1	0	0
Other	10	10	6	14	10	10	10	10	9





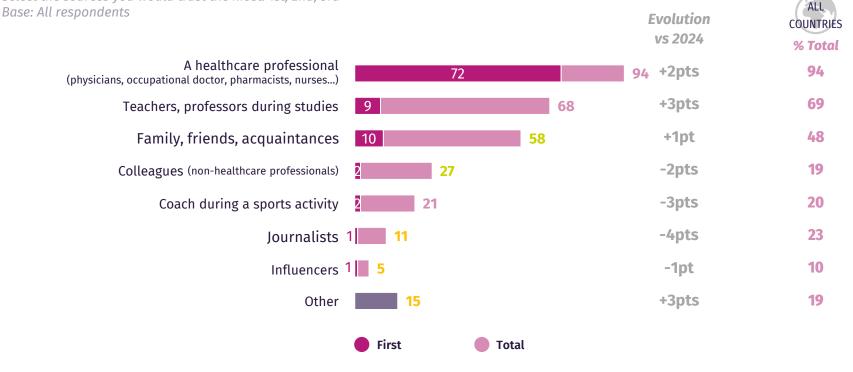


Healthcare professionals stand out again this year as the most trusted source of information about the microbiome, with almost 3 in 4 people saying they would first trust them.



Question 2V2. For relevant and trustworthy information about microbiome, who would you trust the most? Select the sources you would trust the most: 1st, 2nd, 3rd









And among all demographics, healthcare professionals remain as the most reliable source of information.



32

Question 2V2. For relevant and trustworthy information about microbiome, who would you trust the most? Select the sources you would trust the most: 1st, 2nd, 3rd Base: All respondents

	Total	Less than 25 yo	25-34 yo	35-44 yo	45-59 yo	60 yo and more	Men	Women	At least one health problem
		n=39 🚹	n=76	n=101	n=118	n=166	n=238	n=262	n=309
A healthcare professional (physicians, occupational doctor, pharmacists, nurses)	94	97	93	96	90	96	90	98	96
Teachers, professors during studies		69	77	68	55	71	70	65	66
Family, friends, acquaintances	nx.	59	48	61	54	64	61	56	57
Colleagues (non-healthcare professionals)		27	16	29	41	22	28	27	27
Coach during a sports activity	21	17	36	20	23	14	17	25	23
Journalists	11	2	10	9	13	14	14	9	13
Influencers	5	9	7	7	4	3	6	5	4
Other	15	20	13	10	19	16	14	16	15

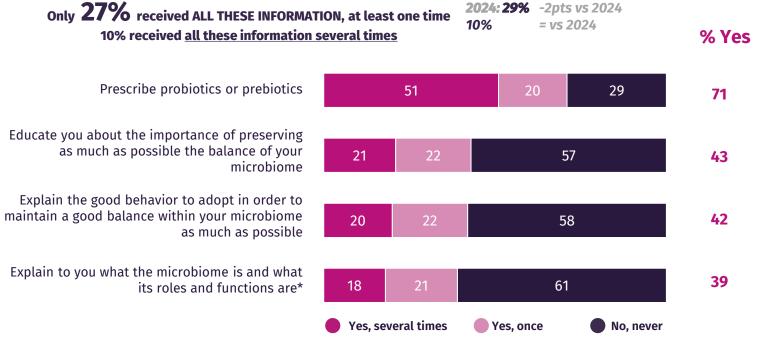








Question 5. Have any of the healthcare professionals you have seen ever done any of the following? Base: All respondents









indeed, Poles are more likely to have received probiotics and prebiotics prescription compared to global average.



% Yes

Question 5. Have any of the healthcare professionals you have seen ever done any of the following? Base: All respondents

	Total	Evolution vs 2024	ALL COUNTRIES
% Received ALL THESE INFORMATION, at least one time	27	-2pts	29
% Received ALL THESE INFORMATION, several times	10	=	8
Prescribe probiotics or prebiotics	71	+3pts	49
Educate you about the importance of preserving as much as possible the balance of your microbiome	43	=	47
Explain the good behavior to adopt in order to maintain a good balance within your microbiome as much as possible	42	=	46
Explain to you what the microbiome is and what its roles and functions are*	39	=	42

^{*}The wording of this item was changed compared to last year









People with health problems are more likely to have received such prescriptions.



Question 5. Have any of the healthcare professionals you have seen ever done any of the following? Base: All respondents

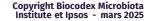
% Yes	Total	Less than 25 yo	25-34 yo	35-44 yo	45-59 yo	60 yo and more	Men	Women	At least one health problem
b	ase n=500	n=39 🚹	n=76	n=101	n=118	n=166	n=238	n=262	n=309
Prescribe probiotics or prebiot	cs 71	70	76	70	72	68	65	76	78
Educate you about t importance of preserving much as possible the balance your microbion	as of 43	48	39	46	50	37	43	43	47
Explain the good behavior adopt in order to maintair good balance within yo microbiome as much as possil	a ur 42	36	37	50	50	37	43	42	46
Explain to you what t microbiome is and what its rol and functions a	es 39	36	36	39	50	34	40	38	43

^{*}The wording of this item was changed compared to last year













Family physicians emerge as the primary professional source of information about the microbiome in Poland, reaching even higher levels than observed in global results.



Question 6. And which healthcare professionals provided you with these explanations? Base: People who have had an explanation from healthcare professionals (n=394)



Evolution	ALL
vs 2024	COUNTRIES
-4pts	48
+3pts	18
+3pts	17
+3pts	16
+2pts	31
+1pt	20
=	7
-2pts	10
-2pts	10
-1pt	7
=	5
=	8
+1pt	2
=	4
-1pt	3



^{*} Item displayed to women

^{**} Item displayed to parents



Regardless their age, gender or personal situation, family physicians remain the first source of information.



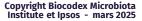
Question 6. And which healthcare professionals provided you with these explanations? Base: People who've received some information from HCPs (n=394)

	Total	Less than 25 yo	25-34 yo	35-44 yo	45-59 yo	60 yo and more	Men	Women	At least one health problem
base	n=394	n=30 🚹	n=61	n=82	n=99	n=122	n=174	n=220	n=260
A family physician	70	60	72	72	72	71	75	67	71
A pharmacist	20	18	21	20	21	18	20	20	18
A gynecologist	16	28	13	11	23	12	0	28	18
A nurse practioner or physician assistant	12	23	6	10	11	13	12	11	13
A gastroenterologist	11	4	5	10	12	15	12	9	13
A dietitian	9	17	13	8	7	8	10	9	10
A pediatrician	8	3	8	11	14	1	6	9	6
A dermatologist	6	12	4	5	5	6	7	4	6
A urologist	5	4	1	6	4	7	9	2	7
A dental surgeon	4	0	2	10	3	4	6	2	5
A physical therapist	4	2	1	2	6	5	7	2	5
An ENT (Ear, Nose, Throat) specialist	3	0	2	4	3	5	4	3	4
A midwife	3	4	6	2	3	1	0	5	4
A naturopath	3	0	0	3	5	3	4	2	3
Other	4	7	2	3	5	4	4	4	5

37









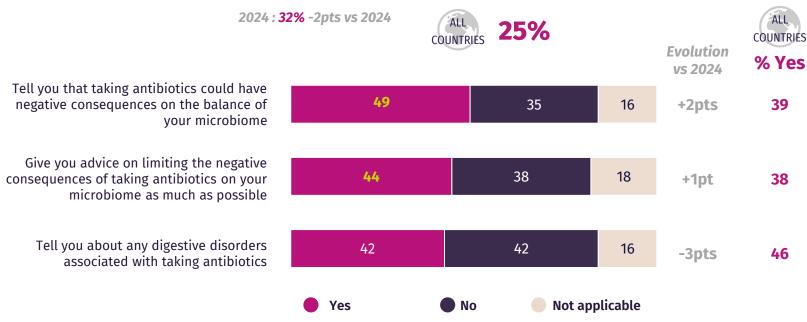


After being prescribed antibiotics, Poles are more likely to have received related information, with 3 out of 10 patients getting such guidance. This proportion is notably higher than the global average.



Question 7. The last time a doctor prescribed antibiotics, did they do the following? Base: All respondents

Only 30% received ALL THESE INFORMATION from their HCPs









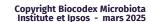
This level of information appears to be similar across all demographics in Poland



Question 7. The last time a doctor prescribed antibiotics, did they do the following? / Base: All respondents

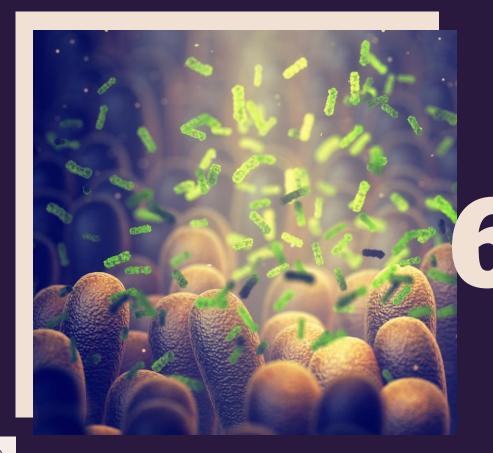
% Yes		Total	Less than 25 yo	25-34 yo	35-44 yo	45-59 yo	60 yo and more	At least one health problem
	base	n=500	n=39 🛕	n=76	n=101	n=118	n=166	n=309
% HAVE <u>RECEIVED</u>	ALL THESE INFORMATION FROM THEIR HCPS	30	20	26	28	31	35	32
have negative	king antibiotics could consequences on the e of your microbiome	49	49	47	48	49	50	53
negative co	advice on limiting the onsequences of taking n your microbiome as much as possible	44	45	41	43	45	47	48
	ny digestive disorders with taking antibiotics	42	38	35	41	45	45	46











Despite lower awareness of microbiome testing, Poles express interest, especially for gut microbiome, and an equal percentage would consider stool donation to further scientific research.



Awareness of microbiome testing in Poland, at one in five individuals, lags slightly behind global average.



Question 1-2025. Have you ever heard of testing your microbiome? Base: All respondents



have already heard of testing their microbiome



27%



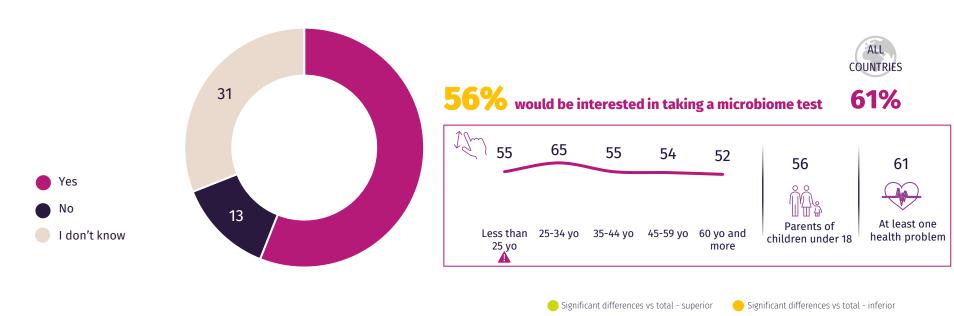








Question 2-2025. Would you personally be interested in taking a microbiome test? Base: All respondents



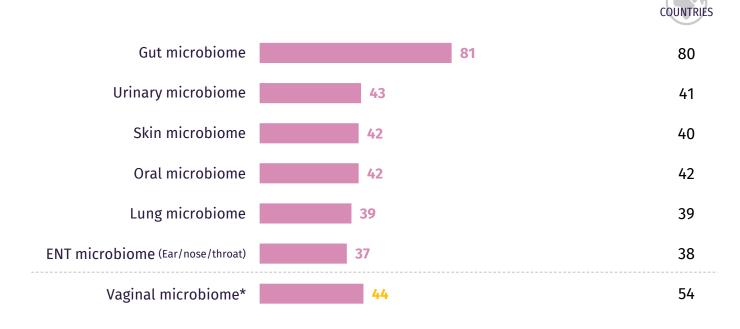


▲ Low basis, results must be interpreted with caution

Gut microbiome testing rank as the top choice for 4 out of 5 potential testers.



Question 3-2025. Which one(s) would you be interested to test? Base: Would be interested in taking a microbiome test (n=277)



^{*} Item displayed to women

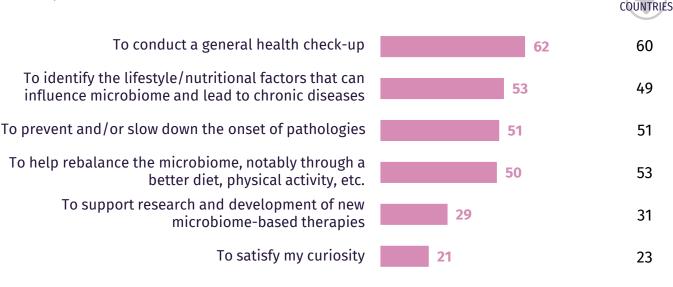


ALL

The majority think microbiome testing would be beneficial for a general health checkup, identifying lifestyle/nutritional factors, and for pathology prevention.

Others

Question 4-2025. In your opinion, what are the reasons for which these tests might be useful? Base: All respondents





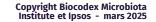
3

ALL

The #1 reason perceived for microbiome testing is usually to conduct a general health check-up for all demographic groups.

NEW QUESTION Question 4-2025. In your opinion, what are the reasons for which these tests might be useful? Base: All respondents

	TOTAL	Less than 25 yo	25-34 yo	35-44 yo	45-59 yo	60 yo and more	Men	Women	At least one health problem
Base	n=500	↑ n=39	n=76	n=101	n=118	n=166	n=238	n=262	n=309
To conduct a general health check-up	62	61	57	59	59	68	59	65	65
To identify the lifestyle/nutritional factors that can influence microbiome and lead to chronic diseases	53	67	48	52	43	59	50	56	58
To prevent and/or slow down the onset of pathologies	51	51	46	46	49	59	46	56	52
To help rebalance the microbiome, notably through a better diet, physical activity, etc.	50	47	62	53	43	49	47	53	54
To support research and development of new microbiome- based therapies	29	28	25	30	33	27	30	28	30
To satisfy my curiosity	21	34	31	20	14	19	23	20	21
Others	4	9	3	4	3	3	4	4	1

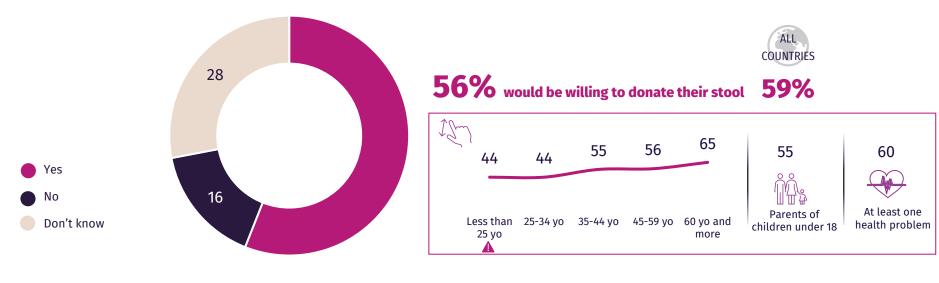








Question 5-2025. On a voluntary and anonymous basis, would you be willing to donate your stool (faecal sample) if it could contribute to advancing scientific knowledge in the fields of microbiome, nutrition, and health? Base: All respondents



Significant differences vs total - superior

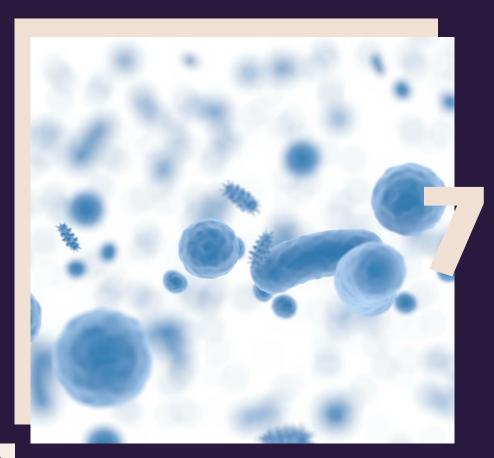




Low basis, results must be interpreted with caution







Focus on the vaginal microbiome

In the next questions, we will discuss the vaginal microbiome, also known as vaginal flora.





Some aspects of the vaginal microbiome are well-known by Polish women, such as the impact of antibiotics and the protective role of the vaginal microbiome. (1/2)



Question 13. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.

Base: <u>Women</u>	Good answer				Wrong answers/ don't know
Antibiotics can alter the vaginal microbiome		83 🗸	2	15	17
The vaginal microbiome acts as a barrier, protecting us from pathogenic microorganisms		78 🗸	3	19	22
Vaginal dryness/dehydration has consequences on vaginal microbiome		76 ·	2	22	24
From childhood to menopause, a woman's vaginal microbiome remains the same	6	63 🗸	3′	I	37
Every woman has a vaginal microbiome that is different from any other woman's	62	5	33		38
Smoking has no consequences on the vaginal microbiome	12	58 🗸	30)	42
40	True	False	Don't rea	ly know	



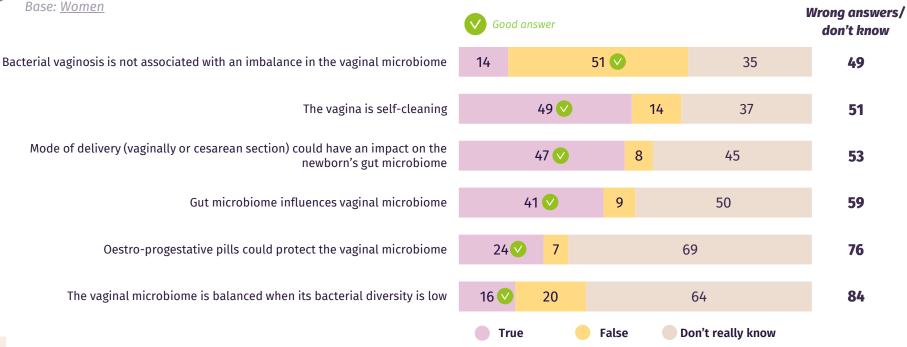


However, more confusion are related to the impact of hormonal pills and the diversity of its composition.





Question 13. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.







Polish women show increased awareness this year that a woman's vaginal microbiome does not remain constant from childhood to menopause

Question 13. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.

Base: Women

% good answer		Total	Evolution vs 2024	COUNTRIES
	Antibiotics can alter the vaginal microbiome	83	+5pts	72
The vaginal mi	icrobiome acts as a barrier, protecting us from pathogenic microorganisms	78	+4pts	66
Vaginal dryne	ss/dehydration has consequences on vaginal microbiome	76	-3pts	68
From childhood to men	opause, a woman's vaginal microbiome remains the same	63	+11pts	60
Every woman has a vag	ginal microbiome that is different from any other woman's	62	=	66
	Smoking has no consequences on the vaginal microbiome	58	+5pts	55
Bacterial vaginosis is no	ot associated with an imbalance in the vaginal microbiome	51	+3pts	44
	The vagina is self-cleaning	49	=	58
Mode of delivery (v	aginally or cesarean section) could have an impact on the newborn's gut microbiome	47	+4pts	41
	Gut microbiome influences vaginal microbiome	41	-10pts	45
Oestr	o-progestative pills could protect the vaginal microbiome	24	-6pts	22
The vaginal	microbiome is balanced when its bacterial diversity is low	16	-9pts	26



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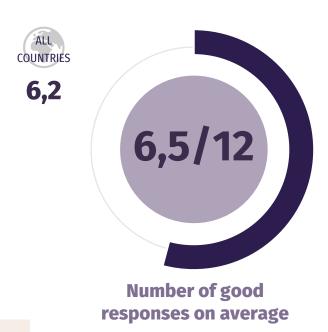


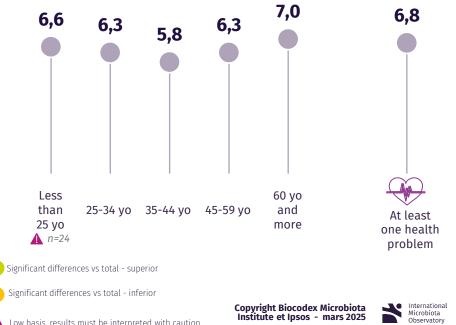
The knowledge of vaginal microbiome roles and functions remains quite similar across age groups



Question 13. For each of the following statements, tell us if you think it is TRUE or FALSE. If you are unsure about your answer, answer I don't really know.

Base: Women







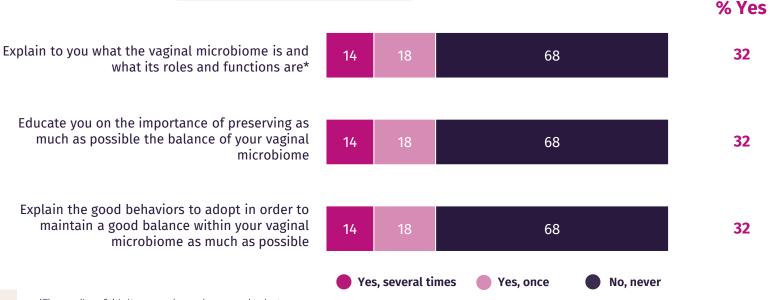




Question 14. Has the healthcare professional following your gynecological health talked to you about the following? Base: Women

26% received ALL THESE INFORMATION, at least one time 9% received all these information several times

2024: 29% -3pts vs 2024 14% -5pts vs 2024









They are less likely to have received information regarding the importance of preserving vaginal microbiome and the behaviors to adopt compared to the global average.



Question 14. Has the healthcare professional following your gynecological health talked to you about the following? Base: Women

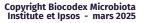
% Yes

	Total	vs 2024	COUNTRIES
% Have received ALL THESE INFORMATION, at least one time	26	-3pts	32
% Received ALL THESE INFORMATION, <u>several</u> <u>times</u>	9	-5pts	11
Explain to you what the vaginal microbiome is and what its roles and functions are*	32	-3pts	37
Educate you on the importance of preserving as much as possible the balance of your vaginal microbiome	32	-4pts	42
Explain the good behaviors to adopt in order to maintain a good balance within your vaginal microbiome as much as possible	32	-4pts	42

Evolution









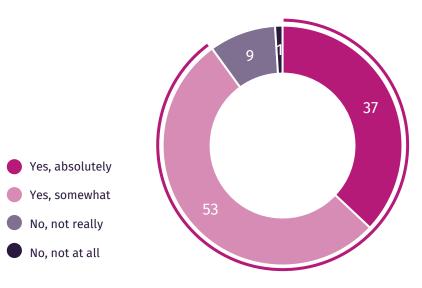


Most of women would like to have more information about the importance of the vaginal microbiome and its impact on health, even more than observed globally.



Question 15. And would you like the healthcare professional monitoring your gynecological health to tell you more about the importance of your vaginal microbiome and its impact on your health?

Base: Women

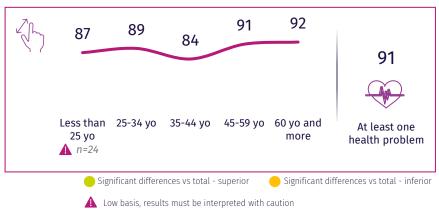


90% would like to have more information about the importance of the vaginal microbiome and its impact on health



85%

2024:86%+4pts vs 2024



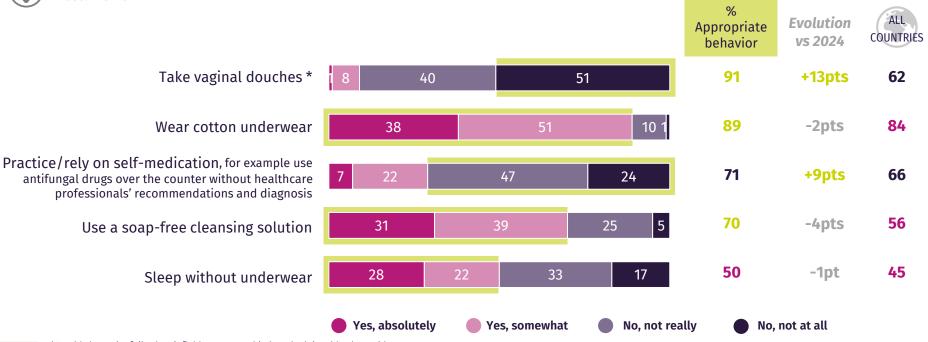


Polish women are more likely to adopt specific behaviors to protect their vaginal microbiome compared to global average.





Question 16. In your daily life, do you regularly adopt the following behaviors? Base: Women



^{*}For this item, the following definition was provided: Vaginal douching is washing or cleaning out the inside of the vagina with water or a mixture of fluids to eliminate odors and "clean" the vagina. Please do not confuse the vaginal douching (The vagina is the inside) with vulvar washing (The vulva is the outside).







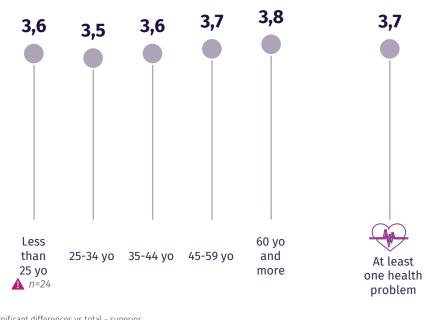
Regardless of age, Polish women adopt appropriate behaviors for maintaining their vaginal microbiome health.



Question 16. In your daily life, do you regularly adopt the following behaviors? Base: Women

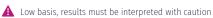


Number of appropriate behaviors adopted on average





Significant differences vs total - inferior











Main results per country



Learnings on Polish results



6.0/9

ness of the microbiome & its diversity	
Know exactly what is « microbiome »	18% 🔪
Subtotal « Aware »	74%
Subtotal Aware of the gut microbiome	44%
Subtotal Aware of all microbiome	28%

<u> </u>				
evel of knowledge around the solutions which can maintain the microbiota balanced				
Know exactly what are probiotics	63%			
Know exactly what are prebiotics	38%			

Mean of good answers

Adoption and identification of appropriate behaviors to maintain a balanced microbiota						
Have changed their behaviors	64%					

Level of information provided by healthcare professionals	
Received at least one piece of information at least once	79%

Microbiome testing	
Interested in taking a microbiome test	56%

Key learnings

Polish awareness of the microbiome aligns with global trends, but shows no signs of progression in 1 year.

But, awareness of each microbiome type remains limited lagging behind global average. is quite limited.

Polish microbiome knowledge has slightly improved since last year and exceeds global averages in some areas, but lags behind in understanding gut-brain communication and microbiome composition. To maintain a balanced microbiome. Poles are more likely to modify their behaviors, with still a higher propensity for consuming probiotics and prebiotics compared to the average.

When it's come to HCPs, only a minority of Polish have received explanation on microbiome. While a quarter of Poles report having received all microbiome-related information, closer examination reveals that this 'information' often consists primarily of probiotic or prebiotic prescriptions rather than comprehensive education about the microbiome itself. Indeed, Poles are more likely to be aware of prebiotics and probiotics compared to global average.

Despite lower awareness of microbiome testing, Poles express interest, especially for gut microbiome, and an equal percentage would consider stool donation to further scientific research.

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ANNEXES



ABOUT IPSOS

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