

**Antibiotics are drugs like penicillin that are used to fight or prevent bacterial infection. In the last 4 weeks, have you been to the doctor for a cough, cold, or the flu?**

(Weighted Column Percents)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Yes	4.4	6.1	5.2	3.9	3.7	3.4	4.6
No	95.6	93.9	94.8	96.1	96.3	96.6	95.4
Male Yes	3.9	3.8	5.7	3.8	2.0	2.8	5.3
Male No	96.1	96.2	94.3	96.2	98.0	97.2	94.7
Female Yes	4.9	8.6	4.7	3.9	5.3	4.0	4.1
Female No	95.1	91.4	95.3	96.1	94.7	96.0	95.9

Denominator is:  
All survey respondents.

**Antibiotics are drugs like penicillin that are used to fight or prevent bacterial infection. In the last 4 weeks, have you been to the doctor for a cough, cold, or the flu?**

(Unweighted Frequencies)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Total	4,980	199	537	733	1,017	1,116	1,378
Yes	212	11	26	30	42	41	62
No	4,758	188	511	702	973	1,073	1,311
Refused	10			1	2	2	5
Male Total	1,863	89	205	268	364	439	498
Male Yes	68	3	12	10	6	12	25
Male No	1,791	86	193	258	356	426	472
Male Refused	4				2	1	1
Female Total	3,117	110	332	465	653	677	880
Female Yes	144	8	14	20	36	29	37
Female No	2,967	102	318	444	617	647	839
Female Refused	6			1		1	4

Denominator is:  
All survey respondents.

**Did you get a prescription for antibiotics from the doctor?**

(Weighted Column Percents)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Yes	71.1	79.0	74.5	65.9	64.8	77.9	65.2
No	28.9	21.0	25.5	34.1	35.2	22.1	34.8
Male Yes	64.5	57.9	67.4	65.0	66.7	87.0	51.8
Male No	35.5	42.1	32.6	35.0	33.3	13.0	48.2
Female Yes	76.1	88.9	83.8	66.9	64.1	71.7	78.4
Female No	23.9	11.1	16.2	33.1	35.9	28.3	21.6

Denominator is:

All survey respondents who saw a doctor in the last four weeks for cough, cold, or the flu.

**Did you get a prescription for antibiotics from the doctor?**

(Unweighted Frequencies)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Total	212	11	26	30	42	41	62
Yes	150	9	20	18	29	30	44
No	62	2	6	12	13	11	18
Male Total	68	3	12	10	6	12	25
Male Yes	44	2	8	6	4	10	14
Male No	24	1	4	4	2	2	11
Female Total	144	8	14	20	36	29	37
Female Yes	106	7	12	12	25	20	30
Female No	38	1	2	8	11	9	7

Denominator is:

All survey respondents who saw a doctor in the last four weeks for cough, cold, or the flu.

**How much do you agree/disagree with the following statement?: I will be sick for a longer time if I don't receive an antibiotic for cough, cold, or flu symptoms.**

(Weighted Column Percents)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Strongly agree	14.2	18.1	12.6	11.7	13.3	14.9	16.2
Somewhat agree	15.9	25.8	18.2	12.1	12.6	12.3	16.9
Neither agree or disagree	3.9	4.1	4.1	4.3	3.1	4.5	3.5
Somewhat disagree	28.2	28.8	29.8	27.3	27.3	28.6	27.8
Or strongly disagree	37.8	23.2	35.3	44.6	43.8	39.6	35.6
Male							
Strongly agree	14.1	16.1	11.1	12.2	12.9	16.0	18.7
Somewhat agree	18.8	30.5	22.0	14.5	14.6	15.5	18.3
Neither agree or disagree	4.8	4.9	6.3	4.6	3.9	5.5	3.2
Somewhat disagree	28.4	26.9	28.7	26.5	30.7	29.4	27.5
Or strongly disagree	34.0	21.6	31.9	42.2	38.0	33.6	32.2
Female							
Strongly agree	14.2	20.1	14.2	11.2	13.7	13.7	14.2
Somewhat agree	13.1	21.1	14.0	9.7	10.7	9.3	15.8
Neither agree or disagree	3.1	3.2	1.7	4.0	2.2	3.6	3.7
Somewhat disagree	28.1	30.8	30.9	28.0	24.0	28.0	28.1
Or strongly disagree	41.5	24.8	39.1	47.1	49.5	45.4	38.2

Denominator is:

All survey respondents.

**How much do you agree/disagree with the following statement?: I will be sick for a longer time if I don't receive an antibiotic  
for cough, cold, or flu symptoms.**

(Unweighted Frequencies)

		Total	Age Groups					
			18-24	25-34	35-44	45-54	55-64	65+
Total		4,980	199	537	733	1,017	1,116	1,378
Strongly agree		660	36	63	83	131	154	193
Somewhat agree		652	43	85	80	116	125	203
Neither agree or disagree		171	6	18	31	28	45	43
Somewhat disagree		1,298	56	158	190	261	298	335
Or strongly disagree		1,910	51	197	330	445	440	447
Don't know/Not sure		248	6	16	17	30	46	133
Refused		41	1		2	6	8	24
Male	Total	1,863	89	205	268	364	439	498
	Strongly agree	260	13	22	34	45	61	85
	Somewhat agree	311	22	43	38	58	65	85
	Neither agree or disagree	70	3	12	10	12	20	13
	Somewhat disagree	498	25	58	70	106	121	118
	Or strongly disagree	609	20	65	106	132	146	140
	Don't know/Not sure	95	6	5	9	10	22	43
	Refused	20			1	1	4	14
Female	Total	3,117	110	332	465	653	677	880
	Strongly agree	400	23	41	49	86	93	108
	Somewhat agree	341	21	42	42	58	60	118
	Neither agree or disagree	101	3	6	21	16	25	30
	Somewhat disagree	800	31	100	120	155	177	217
	Or strongly disagree	1,301	31	132	224	313	294	307
	Don't know/Not sure	153		11	8	20	24	90
	Refused	21	1		1	5	4	10

Denominator is:  
All survey respondents.

**How much do you agree/disagree with the following statement?: By the time I am sick enough to talk to or visit a doctor because of a cold, I usually expect a prescription for antibiotics.**

(Weighted Column Percents)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Strongly agree	21.1	29.9	20.3	21.8	19.0	18.3	19.4
Somewhat agree	19.4	24.9	23.5	17.4	16.0	16.6	19.4
Neither agree or disagree	2.7	.5	3.1	3.0	2.7	3.4	3.3
Somewhat disagree	23.3	23.7	22.7	23.0	24.7	23.1	22.7
Or strongly disagree	33.4	21.1	30.4	34.8	37.6	38.6	35.2
Male							
Strongly agree	21.9	34.8	20.0	21.2	19.2	18.6	20.4
Somewhat agree	20.2	25.5	28.2	15.5	17.4	15.1	19.7
Neither agree or disagree	3.1		3.1	4.3	2.6	4.7	3.4
Somewhat disagree	24.1	19.3	23.3	25.7	27.0	24.5	23.5
Or strongly disagree	30.6	20.4	25.4	33.3	33.7	37.2	33.1
Female							
Strongly agree	20.4	24.6	20.6	22.5	18.9	18.1	18.7
Somewhat agree	18.6	24.3	18.4	19.3	14.7	18.0	19.2
Neither agree or disagree	2.4	1.0	3.1	1.7	2.7	2.2	3.1
Somewhat disagree	22.5	28.4	22.1	20.3	22.4	21.7	22.1
Or strongly disagree	36.1	21.8	35.8	36.3	41.3	40.0	36.8

Denominator is:

All survey respondents.

**How much do you agree/disagree with the following statement?: By the time I am sick enough to talk to or visit a doctor because of a cold, I usually expect a prescription for antibiotics.**

(Unweighted Frequencies)

		Total	Age Groups					65+
			18-24	25-34	35-44	45-54	55-64	
Total		4,980	199	537	733	1,017	1,116	1,378
Strongly agree		918	51	98	149	175	207	238
Somewhat agree		872	50	118	131	158	177	238
Neither agree or disagree		145	1	16	20	30	33	45
Somewhat disagree		1,087	47	120	162	236	235	287
Or strongly disagree		1,712	44	170	253	379	422	444
Don't know/Not sure		200	6	14	14	29	33	104
Refused		46		1	4	10	9	22
Male	Total	1,863	89	205	268	364	439	498
	Strongly agree	343	24	37	49	63	76	94
	Somewhat agree	333	24	55	44	60	61	89
	Neither agree or disagree	65		7	11	11	19	17
	Somewhat disagree	441	18	48	65	97	105	108
	Or strongly disagree	574	20	51	89	114	158	142
	Don't know/Not sure	89	3	6	9	16	17	38
	Refused	18		1	1	3	3	10
Female	Total	3,117	110	332	465	653	677	880
	Strongly agree	575	27	61	100	112	131	144
	Somewhat agree	539	26	63	87	98	116	149
	Neither agree or disagree	80	1	9	9	19	14	28
	Somewhat disagree	646	29	72	97	139	130	179
	Or strongly disagree	1,138	24	119	164	265	264	302
	Don't know/Not sure	111	3	8	5	13	16	66
	Refused	28			3	7	6	12

Denominator is:  
All survey respondents.

**Think back in the past year. Which of the following statements is closest to what you did with your most recent antibiotic prescription?**

(Weighted Column Percents)

		Total	Age Groups					
			18-24	25-34	35-44	45-54	55-64	65+
I have not had an antibiotic prescription in the past year		57.5	45.8	56.1	60.2	60.7	59.9	59.2
I took the antibiotics until I felt better, and then stopped		5.2	9.4	9.3	2.9	4.0	3.0	3.1
I took the antibiotics until they were gone		33.8	40.5	30.4	34.6	32.0	35.1	32.7
I did not take any of the prescribed antibiotic		2.5	2.9	3.6	1.4	2.5	1.2	3.5
Other		.9	1.4	.5	.8	.7	.8	1.5
Male	I have not had an antibiotic prescription in the past year	62.9	53.0	66.3	67.1	65.9	61.5	59.6
	I took the antibiotics until I felt better, and then stopped	5.3	7.2	8.8	3.2	4.3	4.8	3.7
	I took the antibiotics until they were gone	28.2	34.9	21.4	27.8	25.9	31.8	31.0
	I did not take any of the prescribed antibiotic	2.9	3.0	3.5	1.9	3.2	1.1	4.7
	Other	.6	1.8			.7	.9	1.0
Female	I have not had an antibiotic prescription in the past year	52.3	38.2	45.4	53.2	55.5	58.4	58.9
	I took the antibiotics until I felt better, and then stopped	5.0	11.6	9.8	2.7	3.6	1.3	2.7
	I took the antibiotics until they were gone	39.3	46.4	40.0	41.6	38.1	38.2	33.9
	I did not take any of the prescribed antibiotic	2.2	2.9	3.7	.9	1.9	1.3	2.7
	Other	1.2	1.0	1.1	1.6	.8	.8	1.8

Denominator is:

All survey respondents.

**Think back in the past year. Which of the following statements is closest to what you did with your most recent antibiotic prescription?**

(Unweighted Frequencies)

		Total	Age Groups					
			18-24	25-34	35-44	45-54	55-64	65+
Total		4,980	199	537	733	1,017	1,116	1,378
I have not had an antibiotic prescription in the past year		2,868	92	291	427	597	659	802
I took the antibiotics until I felt better, and then stopped		182	15	43	19	36	30	39
I took the antibiotics until they were gone		1,712	84	184	262	345	396	441
I did not take any of the prescribed antibiotic		104	5	14	9	21	13	42
Other		55	3	4	7	8	11	22
Don't know/Not sure		43		1	6	7	5	24
Refused		16			3	3	2	8
Male	Total	1,863	89	205	268	364	439	498
	I have not had an antibiotic prescription in the past year	1,160	49	135	177	236	270	293
	I took the antibiotics until I felt better, and then stopped	83	6	15	9	16	20	17
	I took the antibiotics until they were gone	532	29	47	73	98	137	148
	I did not take any of the prescribed antibiotic	52	3	7	5	10	5	22
	Other	12	2			2	3	5
	Don't know/Not sure	20		1	4	1	3	11
	Refused	4				1	1	2
Female	Total	3,117	110	332	465	653	677	880
	I have not had an antibiotic prescription in the past year	1,708	43	156	250	361	389	509
	I took the antibiotics until I felt better, and then stopped	99	9	28	10	20	10	22
	I took the antibiotics until they were gone	1,180	55	137	189	247	259	293
	I did not take any of the prescribed antibiotic	52	2	7	4	11	8	20
	Other	43	1	4	7	6	8	17
	Don't know/Not sure	23			2	6	2	13
	Refused	12			3	2	1	6

Denominator is:

All survey respondents.

**In the past year, did you take any antibiotics that were prescribed for a previous illness, prescribed for someone else, or obtain without a prescription?**

(Weighted Column Percents)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Yes	3.4	6.9	3.9	4.7	2.7	1.9	1.0
No	96.6	93.1	96.1	95.3	97.3	98.1	99.0
Male							
Yes	3.4	6.7	4.3	4.7	1.7	2.0	1.5
No	96.6	93.3	95.7	95.3	98.3	98.0	98.5
Female							
Yes	3.4	7.0	3.4	4.7	3.7	1.8	.6
No	96.6	93.0	96.6	95.3	96.3	98.2	99.4

Denominator is:  
All survey respondents.

**In the past year, did you take any antibiotics that were prescribed for a previous illness, prescribed for someone else, or obtain without a prescription?**

(Unweighted Frequencies)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Total	4,980	199	537	733	1,017	1,116	1,378
Yes	131	14	21	32	29	22	13
No	4,827	184	514	699	982	1,090	1,358
Don't know/Not sure	8	1	2		3	2	
Refused	14			2	3	2	7
Male							
Total	1,863	89	205	268	364	439	498
Yes	54	7	9	13	8	9	8
No	1,801	81	194	255	354	430	487
Don't know/Not sure	3	1	2				
Refused	5				2		3
Female							
Total	3,117	110	332	465	653	677	880
Yes	77	7	12	19	21	13	5
No	3,026	103	320	444	628	660	871
Don't know/Not sure	5				3	2	
Refused	9			2	1	2	4

Denominator is:  
All survey respondents.

**Are you aware of any dangers to yourself or other people associated with taking antibiotics?**

(Weighted Column Percents)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Yes	46.3	36.2	41.8	50.6	55.4	54.2	36.7
No	53.7	63.8	58.2	49.4	44.6	45.8	63.3
Male Yes	40.3	28.3	36.3	48.6	46.9	47.5	30.1
Male No	59.7	71.7	63.7	51.4	53.1	52.5	69.9
Female Yes	52.1	44.8	47.6	52.7	63.7	60.6	41.9
Female No	47.9	55.2	52.4	47.3	36.3	39.4	58.1

Denominator is:  
All survey respondents.

**Are you aware of any dangers to yourself or other people associated with taking antibiotics?**

(Unweighted Frequencies)

	Total	Age Groups					
		18-24	25-34	35-44	45-54	55-64	65+
Total	4,980	199	537	733	1,017	1,116	1,378
Yes	2,396	73	240	370	588	625	500
No	2,501	123	291	351	415	475	846
Don't know/Not sure	69	3	6	10	12	12	26
Refused	14			2	2	4	6
Male Total	1,863	89	205	268	364	439	498
Male Yes	759	27	76	132	177	211	136
Male No	1,078	62	126	133	185	221	351
Male Don't know/Not sure	20		3	3	1	5	8
Male Refused	6				1	2	3
Female Total	3,117	110	332	465	653	677	880
Female Yes	1,637	46	164	238	411	414	364
Female No	1,423	61	165	218	230	254	495
Female Don't know/Not sure	49	3	3	7	11	7	18
Female Refused	8			2	1	2	3

Denominator is:  
All survey respondents.

**What kind of health dangers do you see to yourself and other people associated with taking antibiotics?**

(Weighted Column Percents)

		Total	Age Groups					
			18-24	25-34	35-44	45-54	55-64	65+
Total	Not aware of any dangers	54.7	64.5	59.0	50.5	45.3	46.9	64.6
	Emerging drug resistance	22.5	11.2	19.6	28.1	30.6	28.5	13.4
	Allergies or reactions to antibiotics	17.8	15.2	16.0	18.0	22.1	19.6	14.9
	Antibiotics likely to kill friendly bacteria	5.8	3.6	6.3	7.1	8.0	6.1	2.5
	Unhealthy practice to take drugs or chemicals in general	2.8	1.8	2.3	2.8	3.0	3.6	3.0
	Other reason	5.7	5.6	4.9	6.8	6.1	6.7	4.2
	Aware of danger, but gave no reason(s)	2.7	4.7	2.9	1.6	2.3	1.9	3.2
Male	Not aware of any dangers	60.5	71.7	64.6	52.8	53.5	53.7	70.7
	Emerging drug resistance	20.3	8.8	16.5	27.5	27.5	25.6	11.5
	Allergies or reactions to antibiotics	13.3	10.8	14.7	13.7	17.2	11.7	9.4
	Antibiotics likely to kill friendly bacteria	5.8	3.6	6.9	7.2	8.8	4.6	2.1
	Unhealthy practice to take drugs or chemicals in general	2.9	2.2	2.4	3.2	3.4	2.6	3.2
	Other reason	4.4	2.2	4.4	5.1	5.5	5.4	3.3
	Aware of danger, but gave no reason(s)	2.7	5.0	1.7	2.5	2.0	2.7	2.8
Female	Not aware of any dangers	49.1	56.9	53.0	48.2	37.4	40.4	59.8
	Emerging drug resistance	24.6	13.7	22.8	28.7	33.7	31.2	14.9
	Allergies or reactions to antibiotics	22.2	19.9	17.5	22.5	26.9	27.1	19.0
	Antibiotics likely to kill friendly bacteria	5.7	3.5	5.6	7.0	7.3	7.7	2.9
	Unhealthy practice to take drugs or chemicals in general	2.7	1.3	2.2	2.3	2.7	4.6	2.8
	Other reason	6.9	9.2	5.4	8.6	6.7	7.9	4.8
	Aware of danger, but gave no reason(s)	2.7	4.3	4.2	.8	2.6	1.2	3.6

Denominator is:

All survey respondents.

**What kind of health dangers do you see to yourself and other people associated with taking antibiotics?**

Unweighted Frequencies

		Total	Age Groups					
			18-24	25-34	35-44	45-54	55-64	65+
Total		4,948	199	533	731	1,013	1,107	1,365
	Not aware of any dangers	2,570	126	297	361	427	487	872
	Emerging drug resistance	1,192	26	117	212	323	327	187
	Allergies or reactions to antibiotics	947	31	90	139	241	232	214
	Antibiotics likely to kill friendly bacteria	304	8	37	53	83	84	39
	Unhealthy practice to take drugs or chemicals in general	155	4	14	22	30	46	39
	Other reason	282	12	26	49	61	77	57
	Aware of danger, but gave no reason(s)	115	8	16	9	22	21	39
	Refused	23	1		2	4	6	10
Male		1,098	62	129	136	186	226	359
	Not aware of any dangers	386	9	35	77	101	109	55
	Emerging drug resistance	241	10	30	40	64	52	45
	Allergies or reactions to antibiotics	108	3	15	19	34	28	9
	Antibiotics likely to kill friendly bacteria	54	2	5	9	13	13	12
	Unhealthy practice to take drugs or chemicals in general	84	2	8	14	20	25	15
	Other reason	43	5	3	6	4	12	13
	Aware of danger, but gave no reason(s)	8	1			1	2	4
	Refused							
Female		1,472	64	168	225	241	261	513
	Not aware of any dangers	806	17	82	135	222	218	132
	Emerging drug resistance	706	21	60	99	177	180	169
	Allergies or reactions to antibiotics	196	5	22	34	49	56	30
	Antibiotics likely to kill friendly bacteria	101	2	9	13	17	33	27
	Unhealthy practice to take drugs or chemicals in general	198	10	18	35	41	52	42
	Other reason	72	3	13	3	18	9	26
	Aware of danger, but gave no reason(s)	15			2	3	4	6
	Refused							

Denominator is:

All survey respondents.