1. CONSUMPTION OF ANTIBIOTICS

QE1a. Have you taken any antibiotics orally such as tablets, powder or syrup in the last 12 months?

<table>
<thead>
<tr>
<th></th>
<th>EU27 (%)</th>
<th>IE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>35%</td>
<td>43%</td>
</tr>
<tr>
<td>No</td>
<td>65%</td>
<td>57%</td>
</tr>
</tbody>
</table>

Fieldwork: 24/05 - 9/06/2013

Number of interviews: 26,680

Socio-demographic breakdown

QE1a SD. Have you taken any antibiotics orally such as tablets, powder or syrup in the last 12 months?

<table>
<thead>
<tr>
<th></th>
<th>EU27</th>
<th>IE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>35%</td>
<td>43%</td>
</tr>
</tbody>
</table>

Sex
- Male: 32% (EU27), 35% (IE)
- Female: 39% (EU27), 51% (IE)

Age
- 15-24: 36% (EU27), 42% (IE)
- 25-39: 36% (EU27), 40% (IE)
- 40-54: 33% (EU27), 44% (IE)
- 55+: 36% (EU27), 44% (IE)

Education (End of)
- 15-16: 38% (EU27), 51% (IE)
- 16+: 35% (EU27), 45% (IE)
- Still studying: 33% (EU27), 40% (IE)

Difficulties paying bills
- Most of the time: 41% (EU27), 52% (IE)
- From time to time: 36% (EU27), 41% (IE)
- Almost never: 33% (EU27), 40% (IE)

Received information
- Yes: 46% (EU27), 54% (IE)
- No: 30% (EU27), 37% (IE)

QE1b. How did you obtain the last course of antibiotics that you used?

<table>
<thead>
<tr>
<th></th>
<th>EU27 (%)</th>
<th>IE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>From a medical prescription</td>
<td>87% (EU27)</td>
<td>87% (IE)</td>
</tr>
<tr>
<td>Administered by a medical practitioner</td>
<td>7% (EU27)</td>
<td>8% (IE)</td>
</tr>
<tr>
<td>You had some left over from a previous course</td>
<td>10% (EU27)</td>
<td>9% (IE)</td>
</tr>
<tr>
<td>Without prescription from a pharmacy /</td>
<td>2% (EU27)</td>
<td>3% (IE)</td>
</tr>
<tr>
<td>Without prescription from elsewhere</td>
<td>3% (EU27)</td>
<td>2% (IE)</td>
</tr>
<tr>
<td>Don't remember / Don't know</td>
<td>0% (EU27)</td>
<td>0% (IE)</td>
</tr>
</tbody>
</table>

Base size: Respondents who have taken antibiotics in the past 12 months
Evolution 2013 (EB79.4 05-06) - 2009 (EB72.5 11-12)

QE1c. What was the reason for last taking antibiotics that you used?*

<table>
<thead>
<tr>
<th>Reason</th>
<th>EU27 (%)</th>
<th>IE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronchitis (inflammation and swelling of the bronchi, the airways that carry airflow from the trachea into the lungs)</td>
<td>18% (EU27)</td>
<td>16% (IE)</td>
</tr>
<tr>
<td>Flu</td>
<td>18% (EU27)</td>
<td>20% (IE)</td>
</tr>
<tr>
<td>Cold</td>
<td>13% (EU27)</td>
<td>12% (IE)</td>
</tr>
<tr>
<td>Sore throat</td>
<td>11% (EU27)</td>
<td>10% (IE)</td>
</tr>
<tr>
<td>Urinary tract infection</td>
<td>9% (EU27)</td>
<td>9% (IE)</td>
</tr>
</tbody>
</table>

* Only the five most often given answers by respondents at EU level are shown

Base size: Respondents who have taken antibiotics in the past 12 months
Evolution 2013 (EB79.4 05-06) - 2009 (EB72.5 11-12)
2. KNOWLEDGE ABOUT ANTIBIOTICS

QE2a. For each of the following statements, please tell me whether you think it is true or false.

- **Antibiotics kill viruses**
  - EU27: 40% True, 49% False, 11% Don't know
  - IE: 40% True, 51% False, 9% Don't know

- **Antibiotics are effective against cold and flu**
  - EU27: 62% True, 18% False, 7% Don't know
  - IE: 64% True, 5% False, 2% Don't know

- **Unnecessary use of antibiotics make them become ineffective**
  - EU27: 94% True, 4% False, 2% Don't know
  - IE: 85% True, 10% False, 5% Don't know

- **Taking antibiotics often has side-effects such as diarrhea**
  - EU27: 66% True, 15% False, 19% Don’t know
  - IE: 57% True, 24% False, 19% Don’t know

* The correct answer is FALSE
** The correct answer is TRUE

QE2a(2). For each of the following statements, please tell me whether you think it is true or false.

1 correct answer
- EU27: 19%, IE: 13%

2 correct answers
- EU27: 32%, IE: 28%

3 correct answers
- EU27: 25%, IE: 31%

4 correct answers
- EU27: 22%, IE: 23%

At least one correct answer
- EU27: 94%, IE: 90%

QE2a_SD. For each of the following statements, please tell me whether you think it is true or false.

4 correct answers

TOTAL
- EU27: 22%, IE: 23%

Sex
- Male: 19%, Female: 19%

Age

Education (End of)
- 16-19: 14%, 20+: 32%, Still studying: 18%

Has taken antibiotics
- Yes: 21%, No: 22%

Received information
- Yes: 32%, No: 17%
3. ANTIBIOTIC AWARENESS CAMPAIGNS (1/2)

QE3a. In the last 12 months, do you remember getting any information about not taking any antibiotics unnecessarily, for example, messages about not taking antibiotics in case of cold or flu?

- Yes: 33% (EU27) 67% (IE)
- No: 67% (EU27) 36% (IE)

Socio-demographic breakdown:

<table>
<thead>
<tr>
<th>Age</th>
<th>EU27</th>
<th>IE</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-24</td>
<td>71%</td>
<td>66%</td>
</tr>
<tr>
<td>25-39</td>
<td>68%</td>
<td>64%</td>
</tr>
<tr>
<td>40-54</td>
<td>65%</td>
<td>60%</td>
</tr>
<tr>
<td>55+</td>
<td>66%</td>
<td>67%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education (End of)</th>
<th>EU27</th>
<th>IE</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-19</td>
<td>76%</td>
<td>69%</td>
</tr>
<tr>
<td>20+</td>
<td>57%</td>
<td>60%</td>
</tr>
<tr>
<td>Still studying</td>
<td>69%</td>
<td>69%</td>
</tr>
</tbody>
</table>

QE3a_SD. In the last 12 months, do you remember getting any information about not taking any antibiotics unnecessarily, for example, messages about not taking antibiotics in case of cold or flu?

<table>
<thead>
<tr>
<th></th>
<th>EU27</th>
<th>IE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>67%</td>
<td>64%</td>
</tr>
</tbody>
</table>

Socio-demographic breakdown:

<table>
<thead>
<tr>
<th></th>
<th>EU27</th>
<th>IE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>69%</td>
<td>69%</td>
</tr>
<tr>
<td>Female</td>
<td>65%</td>
<td>59%</td>
</tr>
</tbody>
</table>

QE3b. Where did you first get this information about not taking any antibiotics unnecessarily?

- I saw it on a TV advertisement: 29% (EU27) 30% (IE)
- A doctor told me: 27% (EU27) 26% (IE)
- I read it in a newspaper or I saw it on the TV news: 4% (EU27) 5% (IE)
- I saw it in a leaflet or on a poster: 11% (EU27) 11% (IE)
- A pharmacist told me: 4% (EU27) 3% (IE)
- A family member or friend told me: 4% (EU27) 3% (IE)
- I heard it on the radio: 7% (EU27) 3% (IE)
- Another health professional (e.g., nurse, physical therapist) told me: 2% (EU27) 2% (IE)
- I saw it on the Internet: 5% (EU27) 2% (IE)
- Other: 2% (EU27) 2% (IE)
- Don't know: 1% (EU27) 1% (IE)

Base size: Those who received information in the last 12 months

QE4. Which of the following sources of information would you use in order to get trustworthy information on antibiotics?*

- A doctor: 88% (EU27) 94% (IE)
- A pharmacy: 47% (EU27) 54% (IE)
- A hospital: 16% (EU27) 14% (IE)
- A nurse: 21% (EU27) 13% (IE)
- The Internet site from the (NATIONAL PUBLIC HEALTH INSTITUTE): 7% (EU27) 4% (IE)
- Family or friends: 6% (EU27) 5% (IE)
- Another health care facility: 5% (EU27) 5% (IE)
- The Internet site from the National Government/the Ministry of Health: 5% (EU27) 4% (IE)
- Another health related Internet site: 5% (EU27) 1% (IE)

* Only the items cited by 5% or more of respondents at EU level are shown
3. ANTIBIOTIC AWARENESS CAMPAIGNS (2/2)

QE3c. Did the information that you received change your views on antibiotics?

- Yes: 36% EU27, 45% IE
- No: 62% EU27, 47% IE
- Don't know: 2% EU27, 4% IE

Base size: Those who received information in the last 12 months (Evolution 2013 (EB79.4 05-06) - 2009 (EB72.5 11-12))

QE3d. In what way did this information change your views on antibiotics?

- You will always consult a doctor in situations when you think you need an antibiotic: 71% EU27, 74% IE
- You will no longer take antibiotics without a prescription from a doctor: 23% EU27, 25% IE
- You will no longer self-medicate with antibiotics: 14% EU27, 17% IE
- You will no longer keep in your house antibiotics for next time you are ill: 22% EU27, 14% IE
- Other (SPONTANEOUS): 2% EU27, 1% IE
- None (SPONTANEOUS): 4% EU27, 3% IE
- Don't know: 1% EU27, 1% IE

Base size: Those who received information that changed their views on antibiotics

QE2b. Please tell me to what extent you agree or disagree with the following statement: Everyone has a role to play to ensure that antibiotics remain effective.

- Totally agree: 46% EU27, 58% IE
- Tend to agree: 37% EU27, 36% IE
- Total Disagree*: 12% EU27, 9% IE
- Don't know: 5% EU27, 12% IE

Base size: Those who received the question (Evolution 2013 (EB79.4 05-06) - 2009 (EB72.5 11-12))

*The answers for 'Totally disagree' and 'Tend to disagree' are regrouped into the item 'Total Disagree'.

Socio-demographic breakdown:

- **Total Agree**
  - EU27: 79%
  - IE: 83%

  **Sex**
  - Male: 78% EU27, 80% IE
  - Female: 79% EU27, 86% IE

  **Age**
  - 15-24: 77% EU27, 74% IE
  - 25-39: 76% EU27, 84% IE
  - 40-54: 79% EU27, 84% IE
  - 55+: 80% EU27, 86% IE

  **Education (End of)**
  - 15-16: 76% EU27, 85% IE
  - 16-19: 79% EU27, 83% IE
  - 20+: 82% EU27, 84% IE
  - Still studying: 76% EU27, 78% IE

*The answers for 'Totally agree' and 'Tend to agree' are regrouped into the item 'Total Agree'.