The UK’s voluntary, collaborative approach to addressing antibiotic use in food producing animals

Presented by: Dr Fraser Broadfoot MRCVS
Timeline of Actions - strategic

• 2013 – One Health UK AMR Five Year Strategy published
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• **2014** – Independent Review on AMR Commissioned
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**KEY TO SUCCESS:**
- Strong leadership
- One Health focus
Timeline of Actions – data and stewardship

- **1993** – Antibiotic sales data collection for animals starts

Table 12: Sales of total antibiotics for food-producing animals only (tonnes active ingredient) by food animal species 2006–2011

<table>
<thead>
<tr>
<th></th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tonnes Active Ingredient</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cattle Only Products</td>
<td>10</td>
<td>9</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Pig Only Products</td>
<td>71</td>
<td>66</td>
<td>62</td>
<td>62</td>
<td>47</td>
<td>62</td>
</tr>
<tr>
<td>Poultry Only Products</td>
<td>17</td>
<td>18</td>
<td>31</td>
<td>37</td>
<td>50</td>
<td>23</td>
</tr>
<tr>
<td>Sheep Only Products</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Fish Only Products</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><strong>Pig and Poultry Combined Only</strong></td>
<td><strong>234</strong></td>
<td><strong>216</strong></td>
<td><strong>195</strong></td>
<td><strong>205</strong></td>
<td><strong>252</strong></td>
<td><strong>162</strong></td>
</tr>
<tr>
<td>Multi Species Products In Food Animals Only</td>
<td>21</td>
<td>22</td>
<td>28</td>
<td>31</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>356</strong></td>
<td><strong>335</strong></td>
<td><strong>327</strong></td>
<td><strong>349</strong></td>
<td><strong>390</strong></td>
<td><strong>290</strong></td>
</tr>
</tbody>
</table>

* A difference in rounding from Table 2 gives a total of 358 tonnes.
Timeline of Actions – data and stewardship

• 1993 – Antibiotic sales data collection for animals starts
• 2011 – British Poultry Council Stewardship formed
Timeline of Actions – data and stewardship

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- **2016** – Pig industry developed stewardship programme and launches electronic Medicines book for pigs
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- **2015** – Poultry antibiotic usage data published
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- **2017** – Antibiotic use data published for pigs, laying hens and gamebirds
- **2018** – Antibiotic use data published for salmon and trout
Benchmarking

![Graph showing % farms vs Mg/kg for Your usage and Sector average.](image-url)
Timeline of Actions – multi-sector organisations

- **1997** – RUMA formed
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• 1997 – RUMA formed
• 2000 – Red Tractor farm assurance formed
Timeline of Actions – multi-sector organisations

- **1997** – RUMA formed
- **2000** – Red Tractor farm assurance formed
- **2017** – FIIA Stewardship group
Timeline of Actions – targets

• 2015 – RUMA plans industry taskforce
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• 2016 – Government response to independent review on AMR committing to developing sector targets
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• **2016** – Industry taskforce used to develop sector targets
Timeline of Actions – targets

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• 2016 – Government response to independent review on AMR committing to developing sector targets
• 2016 – Industry taskforce used to develop sector targets
• 2017 – Sector targets published
Antibiotic Sales Data – Food Producing Animals

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales in mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>62.5</td>
</tr>
<tr>
<td>2015</td>
<td>56.8</td>
</tr>
<tr>
<td>2016</td>
<td>39.3</td>
</tr>
<tr>
<td>2017</td>
<td>32.5</td>
</tr>
<tr>
<td>2018</td>
<td>29.5</td>
</tr>
</tbody>
</table>

Compared with 2017:
- 9%

Compared with 2014:
- 53%
Key elements for success

• Strong leadership and active producer associations
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• Collective approach with accountability
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- Cross-sector organisations to lead on the work
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• Government and livestock industry working together
• Setting targets tailored to the challenges of each livestock sector
• Access to data to set and monitor targets and assess impact
• Clear and transparent communications
Thank you.

Any questions?