**INTRODUCTION**

- An area for future action in the UK 5 Year Antimicrobial Resistance (AMR) Strategy is to improve knowledge and understanding of AMR, including teaching the public (Department of Health, 2013).
- e-Bug educates children and young people about microbes, hygiene, the spread of infection and AMR.
- Resources include lesson plans for teachers and an interactive website for students.
- Originally 60% funded by DG Sanco, e-Bug is a European project with resources and websites available in 22 languages.

**METHODS**

- Over the past several years, e-Bug has undertaken needs assessment with target groups such as 15 to 18 year olds and school nurses.
- We have conducted this research across Europe, in countries such as France, Cyprus and Saudi Arabia.
- We use qualitative and quantitative methods to learn about the educational needs of these user groups, and integrate theories such as Social Marketing Theory and Normalization Process Theory.
- Based on our findings, we create evidence based resources such as lesson plans and training tools.

**RESULTS**

New educational resources for **15 to 18** year olds about **antibiotics** and **vaccinations**, such as:

- **Lesson plans, including peer education**
- **A new website for young adults, including infection advice, hot topics and case studies**
- **Science debate kits:** our research identified that young people want to learn through interactive methods such as debates.

New training module for educators, including **teachers** and **school nurses**. We are currently developing this training into an e-Learning website.

- **The training module currently consists of PowerPoints and website tour videos. We will be adding forums, quizzes and much more to our e-Learning website.**

New **oral hygiene** module for Key Stage 2, researched and developed in partnership with Queen Mary University London.

**DISCUSSION & CONCLUSIONS**

- e-Bug continues to develop evidence based resources in line with the National Curriculum in order to support teachers with teaching about hygiene, microbes and the spread of infection.
- We are currently preparing to launch our new e-Learning website, which will meet the needs of teachers and educators who want to learn more about e-Bug and how to use or signpost the resources.
- Our new 15 to 18 year old antibiotic peer education resources can be used by health care students, sixth formers and GCSE students. They help to increase the reach of messages.
- e-bug supports national and international health campaigns, including European Antibiotic Awareness Day and the Antibiotic Guardian campaign.

**ACKNOWLEDGEMENTS**

Special thanks to all our national and international e-Bug partners, and collaborating organisations I’m a Scientist and Queen Mary University London.

**CONTACT**

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