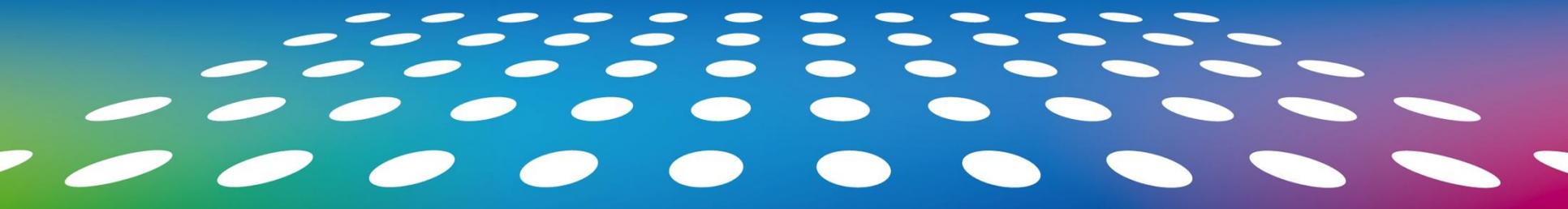


# ANTIMICROBIAL STEWARDSHIP

Dr Saket Jalan, Prescribing Lead GP

Steve Riley, Senior Prescribing  
Advisor



# Healthcare Associated Infections

- Clostridium difficile infection (CDI)
  - elderly and other vulnerable patient groups
  - exposure to antibiotic treatment implicated
  - 17% of patients have died by day 30 after diagnosis of CDI
  - CDI attributable death rate is 8% i.e. one in 12 patients

Planche et al. Lancet Infect Dis 2013



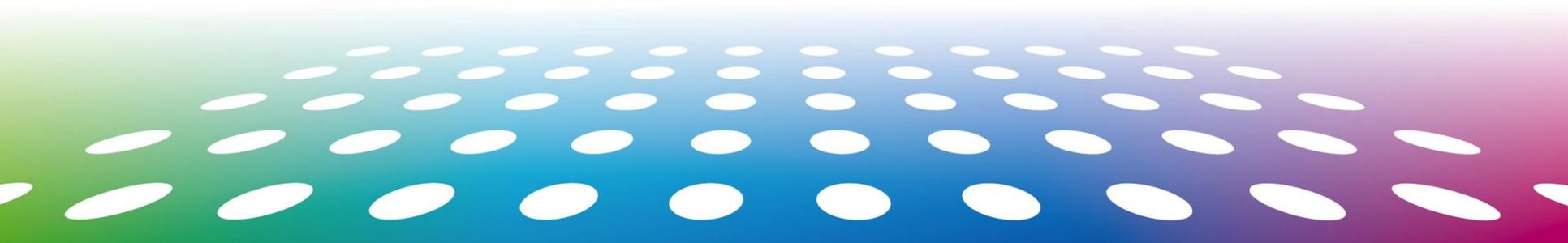
# Healthcare Associated Infections

<b>Clostridium difficile data</b>	<b>Apr-15</b>	<b>May-15</b>	<b>Jun-15</b>	<b>Jul-15</b>	<b>Aug-15</b>	<b>Total</b>
Monthly Actual	10	8	0	13	6	37
<b>Breakdown from MESS data:</b>						
Acute apportioned cases	5	7	0	5	3	20
Non Acute apportioned cases	5	1	0	8	3	17
<b>MRSA bacteraemia data</b>						
<b>MRSA bacteraemia data</b>	<b>Apr-15</b>	<b>May-15</b>	<b>Jun-15</b>	<b>Jul-15</b>	<b>Aug-15</b>	<b>Total</b>
Monthly Actual	1	0	0	0	1	2
Variance	1	0	0	0	1	2
<b>Breakdown from MESS data:</b>						
Acute apportioned cases	0	0	0	0	0	0
Non -Acute apportioned cases	1	0	0	0	1	2
<b>MSSA data</b>						
<b>MSSA data</b>	<b>Apr-15</b>	<b>May-15</b>	<b>Jun-15</b>	<b>Jul-15</b>	<b>Aug-15</b>	<b>Total</b>
Monthly Actual	3	2	9	4		18
<b>Breakdown from MESS data:</b>						
Acute apportioned cases	0	1	1	0		2
Non -Acute apportioned cases	3	1	8	4		16
<b>E-coli data</b>						
<b>E-coli data</b>	<b>Apr-15</b>	<b>May-15</b>	<b>Jun-15</b>	<b>Jul-15</b>	<b>Aug-15</b>	<b>Total</b>
Monthly Actual	0	0	0	3	0	3

“There are few public health issues of potentially greater importance for society than antibiotic resistance”

“If we don’t act now, any one of us could go into hospital in 20 years for minor surgery and die because of an ordinary infection that can’t be treated by antibiotics”.

2013 CMO Prof Dame Sally Davies

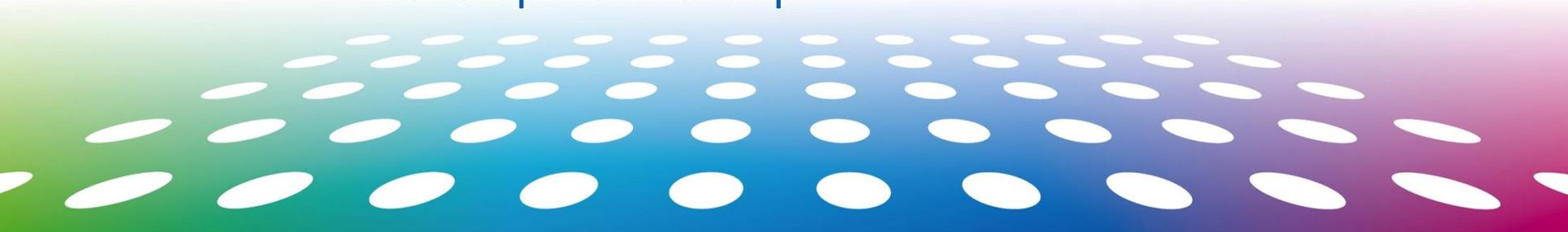


“Antibiotics are prescribed in circumstances when they are unlikely to do the patient much good.”

Prof Mark Baker, NICE

“This NICE guideline considers the whole area of antimicrobial prescribing”

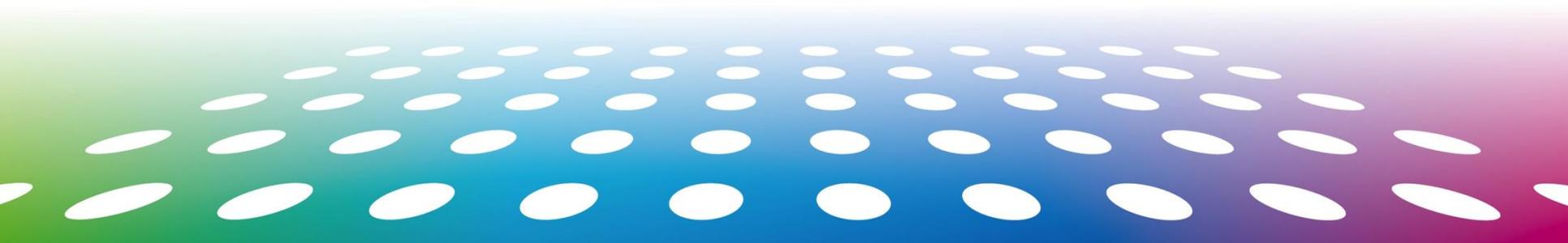
Dr Tessa Lewis, GP and Vice Chair of the Guideline Development Group



# Antimicrobial Stewardship

An organisational and system-wide approach to promoting and monitoring the judicious use of antimicrobials by:

- optimising therapy for individual patients;
- preventing overuse and misuse; and
- minimising the development of resistance at patient and community levels.



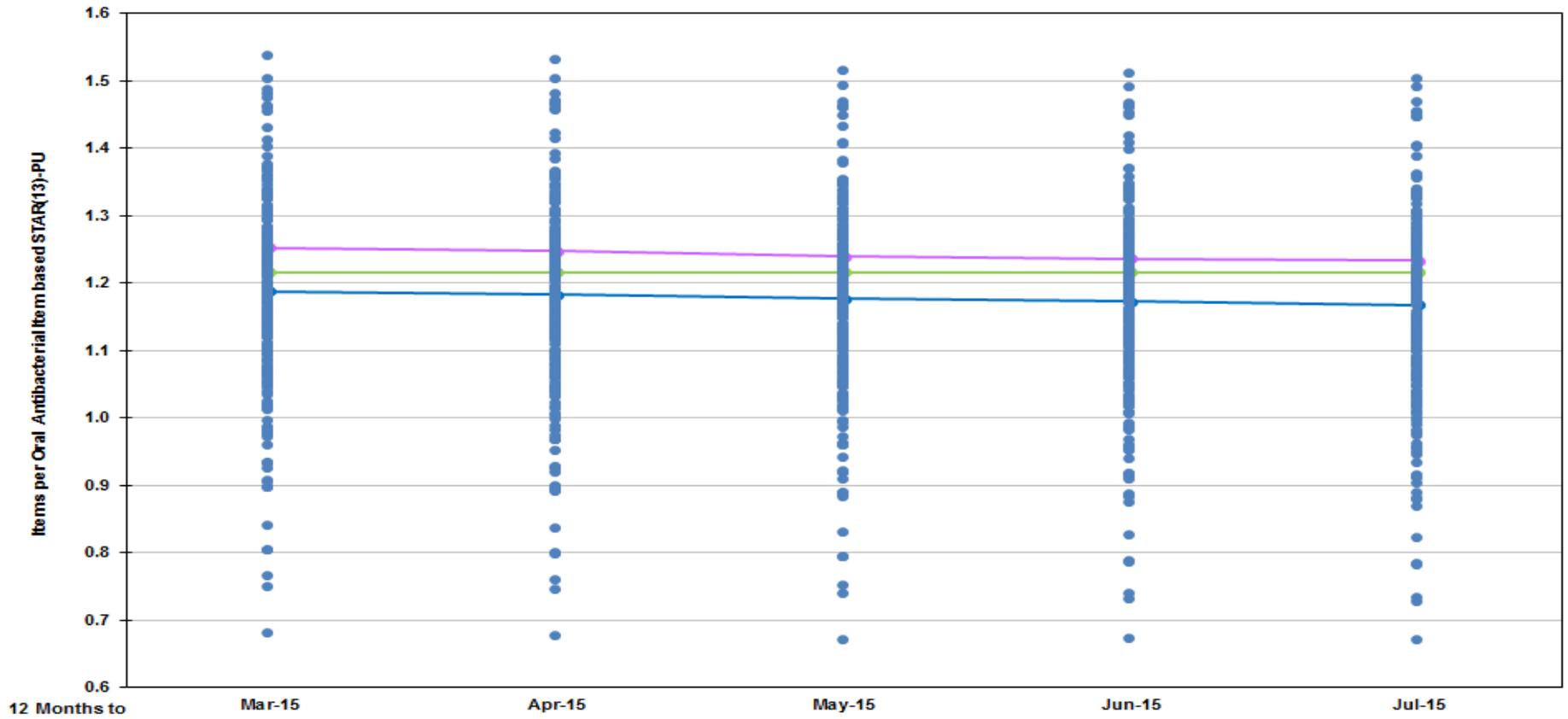


# 2015/16 Quality Premium Antibiotic Element

- Improving antibiotic prescribing (10% of QP)
  - Reduction in primary care prescribing of:
    - oral antibiotic items to 1% below 2013/14 value
    - items of oral co-amoxiclav, cephalosporins and quinolones as % total oral antibiotics to 10% below 2013/14 value
  - Secondary care provider to validate their total antibiotic prescribing data



CCGs in ENGLAND: Antibacterial items/STAR PU



Selected CCG: **WIRRAL**

Selected CCG Current Value

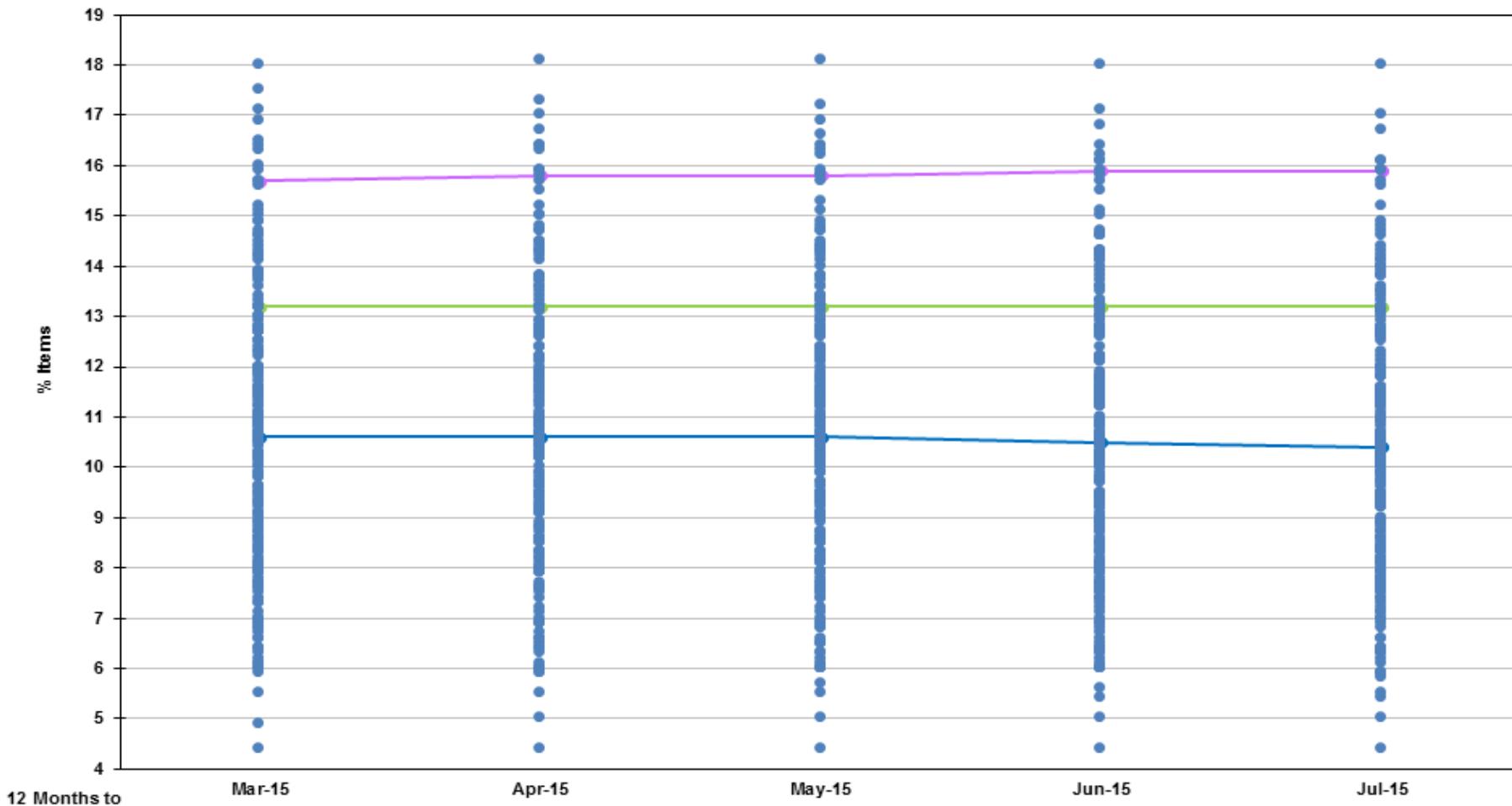
Mar-15	Apr-15	May-15	Jun-15	Jul-15
1.252	1.247	1.239	1.236	1.233

England CCGs median

1.188	1.183	1.177	1.173	1.168
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2015/16 Target Value **1.216**

CCGs in ENGLAND: Co-amoxiclav, Cephalosporins and Quinolones % items



Selected CCG:

**WIRRAL**

2015/16 Target Value

**13.200**

Selected CCG Current Value

Mar-15	Apr-15	May-15	Jun-15	Jul-15
15.7	15.8	15.8	15.9	15.9

England CCGs median

Mar-15	Apr-15	May-15	Jun-15	Jul-15
10.6	10.6	10.6	10.5	10.4

# Patient Safety Alert - Addressing antimicrobial resistance through implementation of an antimicrobial stewardship programme

“This important national patient safety alert sends a strong signal that we must work together as a united front to be successful in reducing antimicrobial resistance and keeping these vital medicines effective. Now is the time to act; whether we are patients, GPs, hospitals or national bodies we all have a role to play in preventing what could have a catastrophic effect on healthcare as we know it if we fail to recognise our individual and collective responsibility to manage appropriate antimicrobial stewardship.”

Dr Mike Durkin, NHS England Director of Patient Safety



# Patient Safety Alert - Addressing antimicrobial resistance through implementation of an antimicrobial stewardship programme

- **All** NHS organisations where antibiotics are prescribed, dispensed or administered required to:
  - Bring Alert to attention of those holding leadership roles for antimicrobial stewardship in the organisation
  - Review and use resources signposted in Alert to support local antimicrobial stewardship programme
  - Ensure staff are aware of the key antimicrobial stewardship messages and resources relevant to their clinical practice
- To commence immediately and be completed by 31 March 2016



# TARGET (Treat Antibiotics Responsibly, Guidance, Education, Tools) toolkit

[www.RCGP.org.uk/TARGETantibiotics/](http://www.RCGP.org.uk/TARGETantibiotics/)

- Leaflets
  - Share with patients during consultation informing them how to manage infections without the use of antibiotics
  - Close the consultation with a self-care leaflet rather than a prescription (leaflets available for fever in children, cough, acne, sore throat)
  - Easy to reproduce and can be linked to EMIS and other IT systems
  - Reduce re-consultation rates by encouraging patients to self-care without antibiotics
  - Use with a Read code to monitor back-up and no-prescribing decisions for infections.
- Training resources
  - Group training presentations
  - E-learning modules
- Resources for clinical and waiting areas
  - Posters and videos to raise awareness of importance of prescribing antibiotics appropriately
- Audit Toolkits
- Self assessment checklist
  - measure your current antibiotic prescribing practice against others in your region and nationally



# European Antibiotic Awareness Day

## 18th November

- Aims to raise awareness of need for responsible antibiotic use to help keep them effective for the future
- First World Antibiotic Awareness Week
  - 16 -20 November 2015
  - Tackling AMR requires global action



# European Antibiotic Awareness Day

## 18th November

- Resources to support EAAD activities:
  - Posters
  - Treating your infection leaflets
  - Crosswords and quizzes
  - Social media support
  - Access via:  
<https://www.gov.uk/government/collections/european-antibiotic-awareness-day-resources>
  - Video for display in patient waiting areas available on envisage systems



# Become an Antibiotic Guardian



- The **Antibiotic Guardian campaign** was established by Public Health England (PHE) to improve public and professional knowledge and stimulate engagement on tackling antibiotic resistance
- **As an Antibiotic Guardian**, choose a simple action based pledge and encourage others to join you in protecting antibiotics :  
[www.antibioticguardian.com](http://www.antibioticguardian.com)
- **Resources and promotional materials** to support local activities for Antibiotic Guardian and EAAD are available: <http://bit.ly/eaad-resources>
- PHE leads the co-ordination of EAAD activities in England in collaboration with VMD, Department of Health, devolved administrations, and other professional organisations



# Become an Antibiotic Guardian today- also available via mobiles

my actions protect antibiotics  
 **ANTIBIOTIC  
GUARDIAN**  
UK SUPPORT FOR EUROPEAN ANTIBIOTIC AWARENESS DAY  
join me at [antibioticguardian.com](http://antibioticguardian.com)

#AntibioticGuardian

