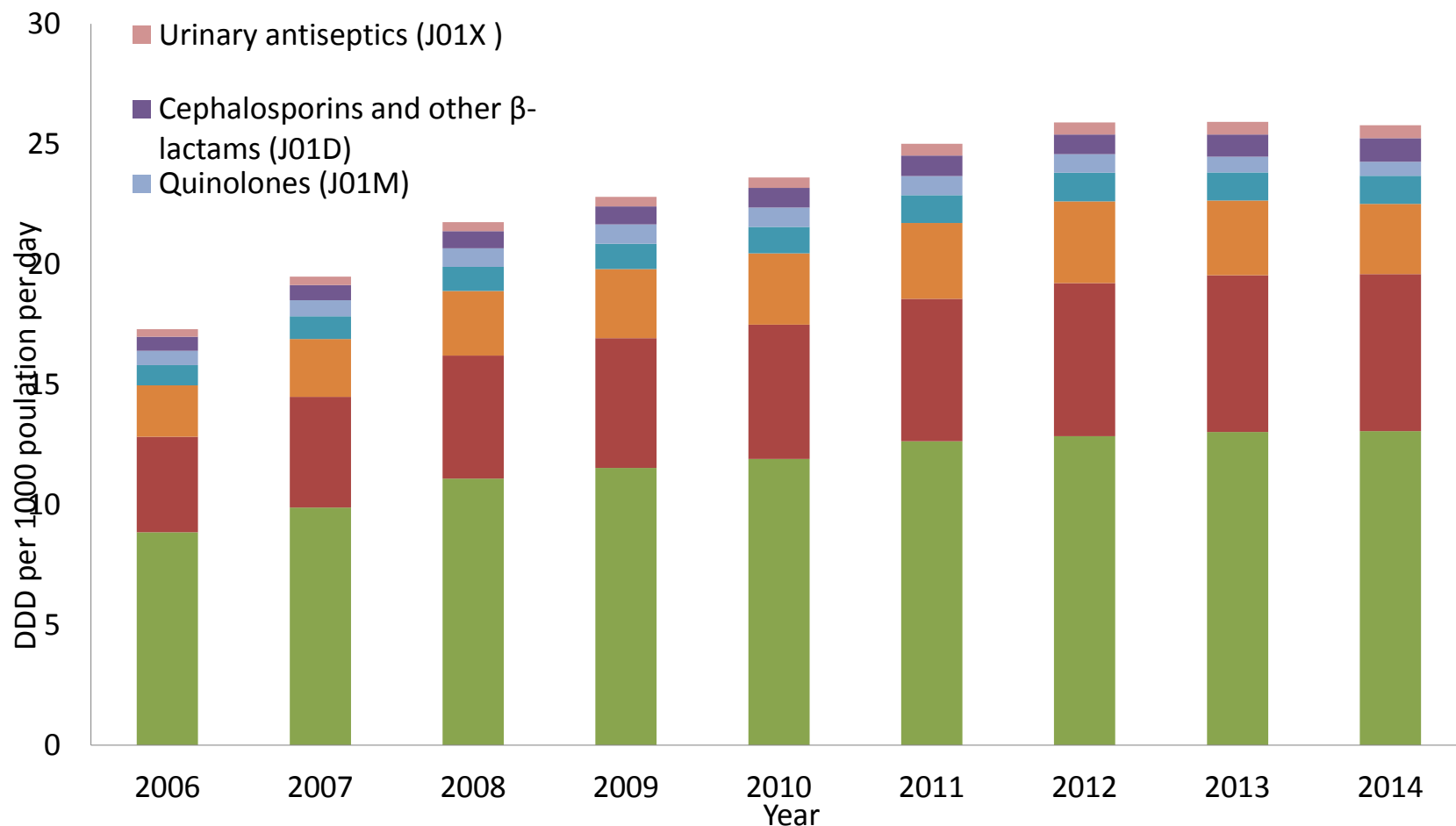


Development of Strategic
framework and implementation
plan for New Zealand

Antimicrobial Resistance

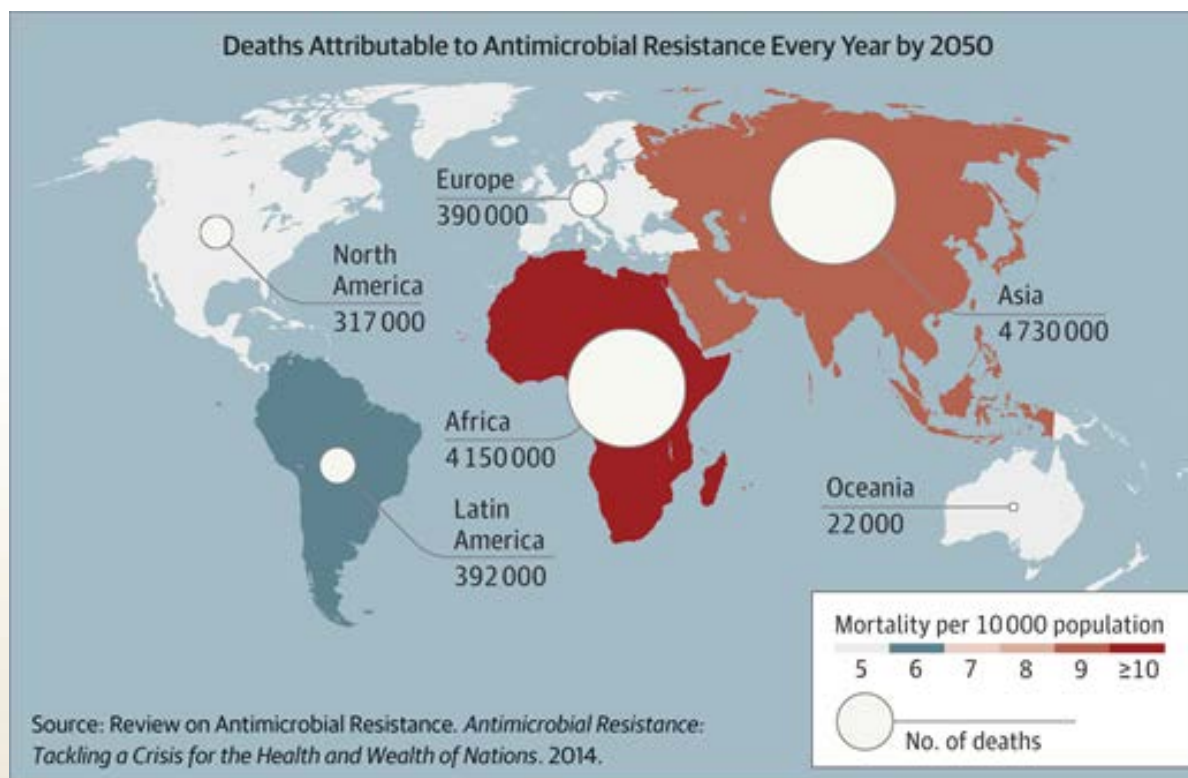
Total antibiotic consumption in the NZ community



AMR in New Zealand

- High levels of resistance in *S. aureus* to topical antibiotics
 - Emergence and spread of multi-resistant ST131 ESBL-*E. coli* in NZ
 - Rapid emergence of ST6964 *C. jejuni*
 - Emergence of livestock-associated MRSA in the South Island, with spread amongst humans
 - Marked increase in carbapenem-resistant Enterobacteriaceae in NZ in 2014-2015
 - Detection of *N. gonorrhoeae* strains with reduced susceptibility to ceftriaxone
-

Deaths attributable to AMR every year by 2050



New Zealand is part of a Global response



Members of strategy planning group

- Ministry of Health
 - Ministry of Primary Industries
 - AgCARM
 - ESR
 - Health Quality and Safety Commission
 - Pharmac
 - Auckland University
 - NZ Veterinary Association
 - NZ Hospital Pharmacist Association
 - NZ Microbiology Network
 - Infection Prevention & Control Nurses College
 - Australasian Society for infectious Disease
 - Better Practice Advocacy Centre
-

One Health Initiative Mission Statement

Recognising that human health(including mental health via the human-animal bond phenomenon), animal health, and ecosystem health are inextricably linked, One Health seeks to promote, improve, and defend the health and well-being of all species by enhancing cooperation and collaboration between physicians, veterinarians, other scientific health and environmental professionals and by promoting strengths in leadership and management to achieve these goals



Key Objectives for Strategic Plan

- Communication and Education
 - Surveillance
 - Antimicrobial Stewardship
 - Infection Prevention and Control
 - Research & Development
 - International Partnerships
 - Governance
-

MPI Direction Statement

NZ has a pro-active and scientifically based regulatory system to minimise the risk of AMR in animals and plants

Actions include:

- Development of integrated surveillance for AMR in food associated bacteria from animals and plants
 - SOPs for laboratory testing for antimicrobial susceptibility
 - A national system for vet labs to report to MPI on AMR
 - Surveillance of sales and consumption of antimicrobials in animals and plant use
-

New Zealand Veterinary Association

‘By 2030, NZ Inc. will not need antibiotics for the maintenance of the health and welfare of animals’

- NZVA is the FIRST veterinary association in the world to make such a goal explicit
 - NZ action has to fit with tripartite OIE, FAO and WHO goals, OIE intergovernmental standards, coordinate with health and environmental plans, include veterinarians
 - Goal to preserve efficacy of existing antibiotics through reduction, refinement and replacement of use (5 Rs)
-

Work to date

- Stocktake exercise – by email
 - 1st Meeting of Cross Govt AMR Action planning Group – March 2nd
 - Key objectives drafted
 - Prioritisation of key areas – what should we concentrate on first?
Clarity emerging
 - Action planning groups from April onwards (Surveillance / stewardship)
 - Draft strategic framework in development
-

Superbugs



It was on a short-cut through the hospital kitchens that Albert was first approached by a member of the Antibiotic Resistance.

THANK YOU

