

### Merck's Approach to Antimicrobial Stewardship

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### Disclosures

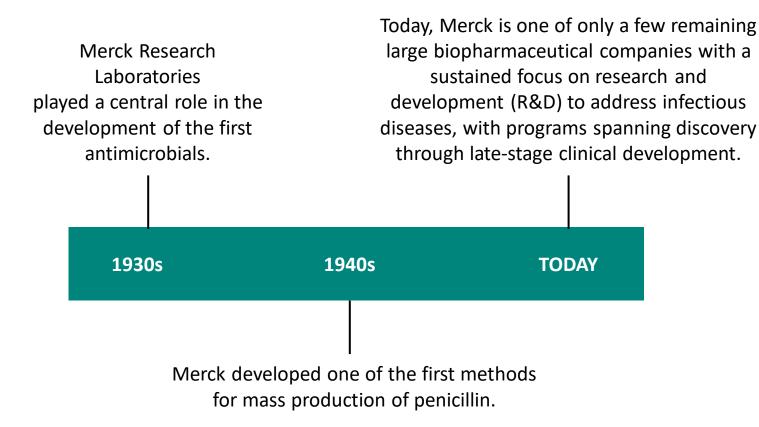
• I am a compensated employee of Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Inc., Kenilworth, NJ, USA.

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### For More Than 80 Years, Merck Has Been Developing Medicines and Vaccines to Treat and Prevent Infectious Diseases

#### Novel





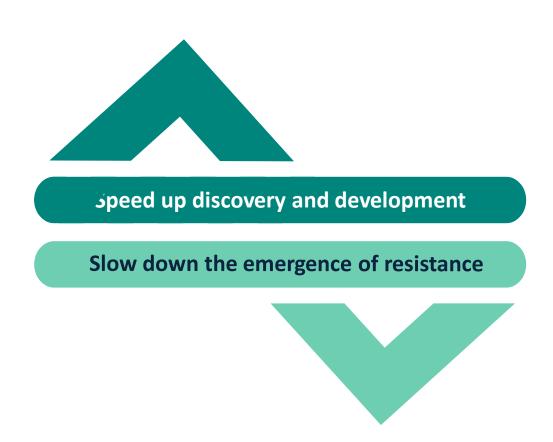






## The Private Sector Has an Important Role in Antimicrobial Resistance (AMR)

### Addressing





#### **PUBLIC COMMITMENTS HAVE BEEN MADE**

- Davos Declaration<sup>1</sup>
- Industry Roadmap<sup>2</sup>
- AMR Industry Alliance Progress Report<sup>3</sup>



<sup>2.</sup> Industry Roadmap (<a href="https://www.ifpma.org/wp-content/uploads/2018/06/Roadmap-for-Progress-on-AMR-FINAL.pdf">https://www.ifpma.org/wp-content/uploads/2018/06/Roadmap-for-Progress-on-AMR-FINAL.pdf</a>)

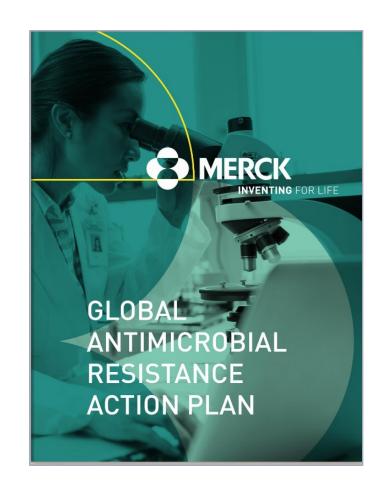




# Merck is Taking Action to Address AMR and Antimicrobial Stewardship (AMS)

### Advance



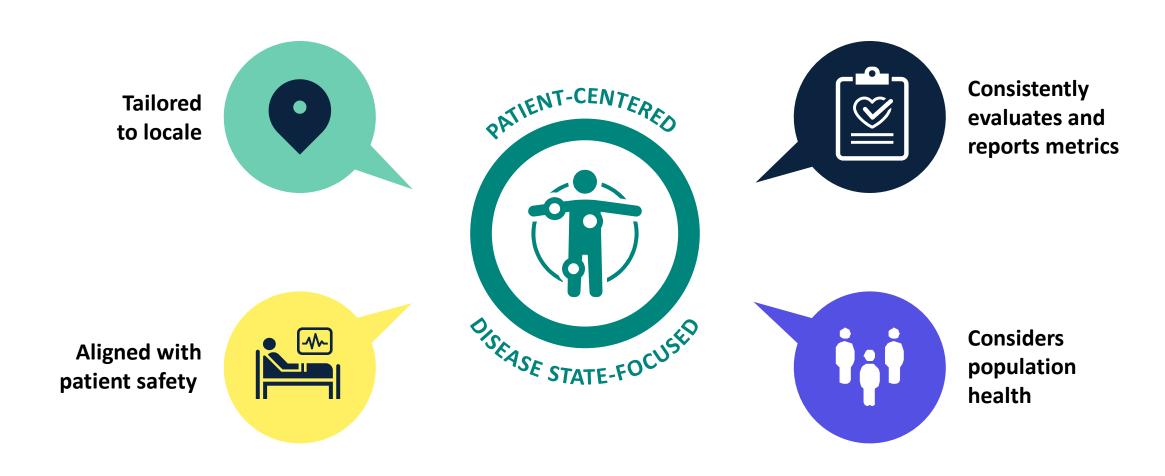








#### What Does "Good" AMS Look Like?



...but this is not always what is practiced.

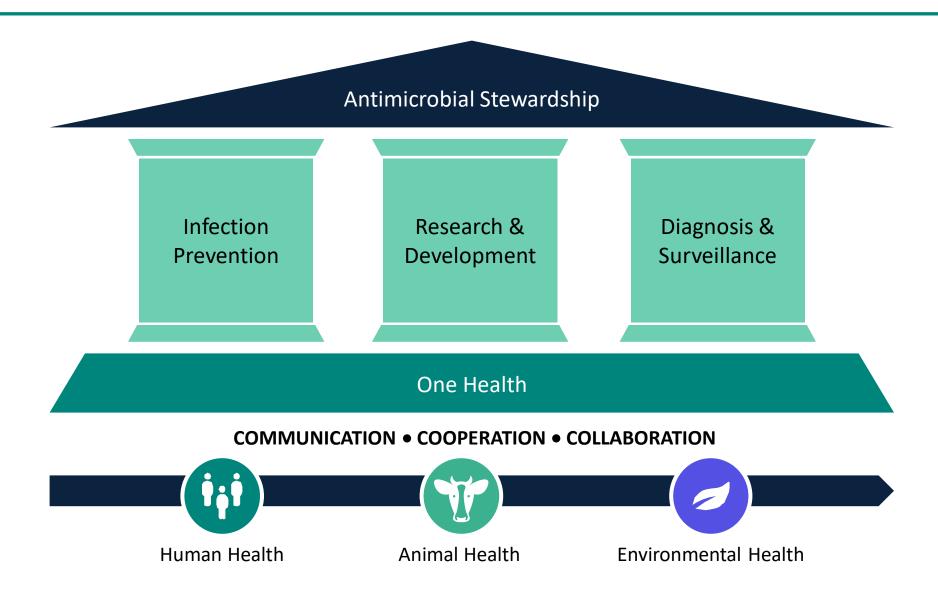


### Why Does AMS Matter to Merck?





### A One Health Perspective Is Foundational to Our Approach





### AMS is Built into Every Aspect of Merck's Engagement on AMR

- Advocacy for policies that enable access to new antibiotics, vaccines, and diagnostics
- Cross-functional AMS Council
- Internal AMS educational curriculum



Pursue indications in areas of unmet medical need



study populations most likely to benefit from products



Reduce environmental impact of antibiotic production through responsible manufacturing



Incorporate
AMS principles
into
promotional
materials/
practices,
positioning, and
strategy



Support
post-marketing
evidence
generation
to further inform
appropriate use



Conduct surveillance of AMR (SMART)



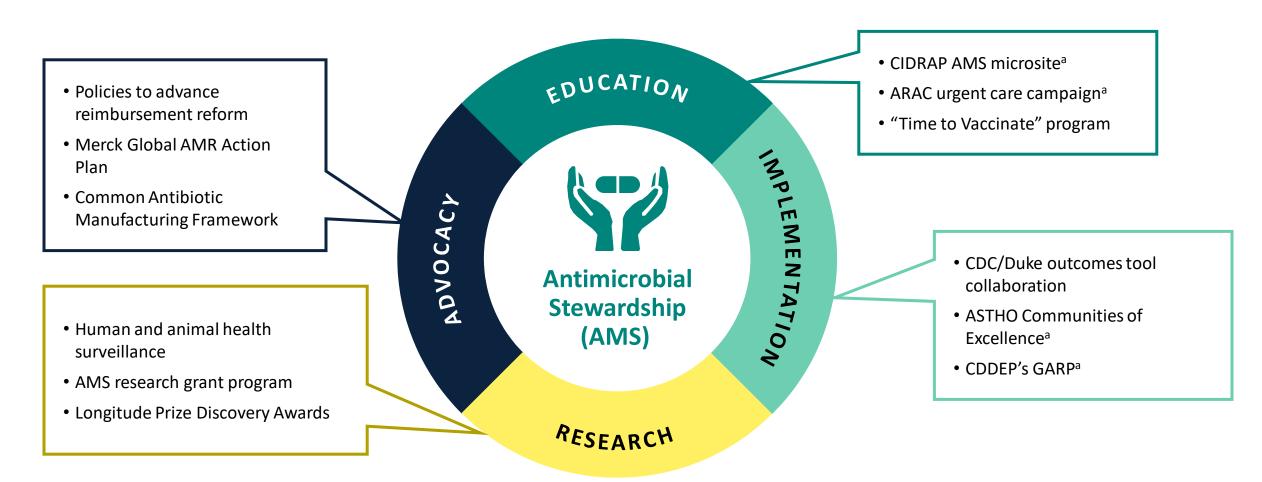
Engage in partnerships/ opportunities to support responsible antibiotic use





## Merck is Making Significant Investments to Strengthen AMS Humans, Animals, and the Environment

in



Hermsen ED, et al. The role of pharmaceutical companies in antimicrobial stewardship: a case study. Clin Infect Dis. 2020. https://doi.org/10.1093/cid/ciaa053





