
CARB National Action Plan

National Vaccine Advisory Committee

11:15am – 11:40 am

June 5, 2019



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Office of the Assistant Secretary for Planning and Evaluation

Antibiotic Resistance (AR)

- Health Impacts
 - At least 2 million illnesses each year that are resistant to antibiotics
 - 23,000 deaths due to antibiotic resistant bacteria
 - > 250,000 illnesses and ~ 15,000 deaths due to *clostridium difficile* infections each year
- Health Costs
 - Estimated \$20-35 billion annually
- As bacteria develop new ways to resist antibiotics, we lose the ability to treat and prevent both common and serious infections
 - Antibiotics are among the most commonly prescribed drugs
 - Up to 50% of the time antibiotics are not optimally prescribed, often done so when not needed, or at an incorrect dose or duration
 - In recent years we have seen the emergence of a number of resistant organisms and a reduction in the utility of a number of antimicrobials



The U.S. Government Response

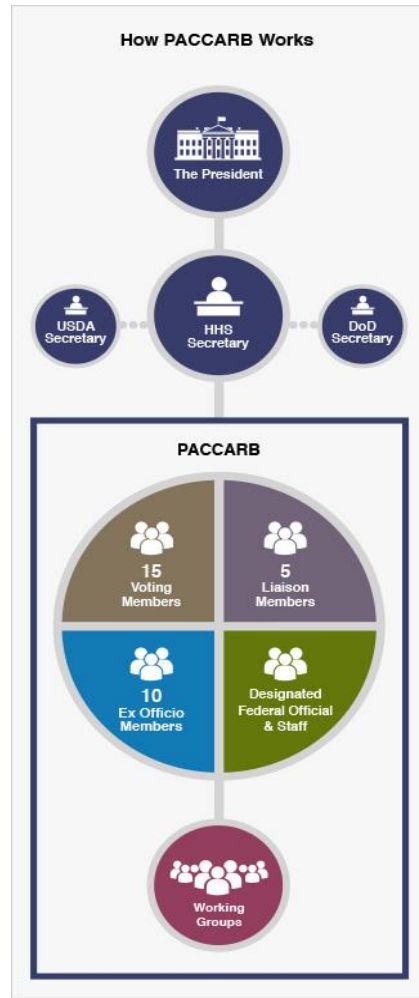
- HHS is engaged in a comprehensive, Administration-wide effort under the CARB National Action Plan that aims to:
 1. Slow the Emergence of Resistant Bacteria and Prevent the Spread of Resistant Infections
 2. Strengthen National One-Health Surveillance Efforts to Combat Resistance
 3. Advance Development and Use of Rapid and Innovative Diagnostic Tests for Identification and Characterization of Resistant Bacteria
 4. Accelerate Basic and Applied Research and Development for New Antibiotics, Other Therapeutics, and Vaccines
 5. Improve International Collaboration and Capacities for Antibiotic-resistance Prevention, Surveillance, Control, and Antibiotic Research and Development



Federal CARB Task Force



Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria



- Group of non-government experts that provide advice, information, and recommendations to the Secretary regarding programs and policies intended to support and evaluate the implementation of U.S. government activities related to combating antibiotic-resistant bacteria.
- Has issued four sets of recommendations to date: two reports, and two resolution letters with recommendations



Federal CARB Task Force

- Responsible for implementing CARB National Action Plan
- Co-chaired by the Secretaries of HHS, USDA, and DoD
- ASPE serves as the HHS lead for the Task Force



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HHS Efforts

- HHS activities focus on the following:
 - Tracking the problem and identifying emerging threats
 - Preventing infections and preventing the spread of resistance
 - Improving antibiotic prescribing and stewardship
 - Developing new diagnostics and medical treatments (including basic, translation, and clinical research to inform new development)
 - Coordination with foreign governments, multilateral organizations, and private sector partners



Developing the next National Action Plan

- Current plan will be completed in spring 2020
- The next plan will run from 2020 through 2025
- Upcoming new sources include:
 - PACCARB's Report to the Secretary
 - Upcoming GAO report on federal response to AMR
 - 2019 update to CDC's *Antibiotic Resistance Threats*



Guiding Principles

1. The new plan will maintain the current five CARB goals
2. The CARB Task Force will review progress toward the current plan's objectives
3. PACCARB and public input should focus on advances since the original Plan was developed

GOAL:

Identify 3-5 topic areas within each CARB goal for consideration in developing the next National Action Plan.



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Timeline

2018			
September	October	November	December
PACCARB task presented		Federal Register Notice	
	Year 3 Report posted		

2019			
January	February	March	April
PACCARB public meeting			
May	June	July	August
New Plan Development		PACCARB Report due 7/11	
September	October	November	December
UN General Assembly	GAO Report	Draft Plan	Start Plan clearance
Year 4 Report posted			

2020			
January	February	March	April
	Finalize Plan	Release Plan	
May	June	July	August
September	October	November	December
Year 5 Report Public			

QUESTIONS?



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