ACIP Dengue Vaccine Workgroup

Wilbur Chen, MD, MSc Katherine A. Poehling, MD, MPH ACIP Members and Workgroup Co-Chairs Advisory Committee on Immunization Practices ACIP Meeting May 5th, 2021

ACIP Dengue Vaccines Workgroup

ACIP Members

Kathy Poehling (Co-chair) Wilbur Chen (Co-Chair) Beth Bell

Veronica McNally

CDC Lead

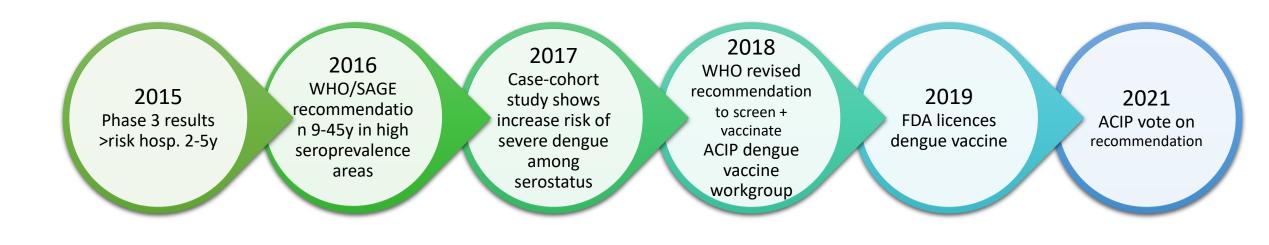
Gabriela Paz-Bailey

<u>Ex Officio Members</u> Kaitlyn Morabito (NIH) Ralph LeBlanc (FDA) Kirk Prutzman (FDA) Srihari Seshadri (DOD) <u>Liaison Representatives</u> Elizabeth Barnett (AAP) Rob Schechter (AIM)

Consultants Edwin Asturias **Robert Atmar** Alan Barrett Anna Durbin Ines Esquilin Tony Marfin Hal Margolis **Kristen Pierce** Anita Shet Steve Waterman

CDC Contributors Laura Adams Mimi Eckert **Rachel Eidex** Susan Hills Terri Hyde Mike McNeil Jorge Munoz Erin Staples Cindy Weinbaum **Rita Helfand**

Dengvaxia timeline



Dengue vaccine workgroup discussions

2019 Phase 3 results Safety & pharmacovigilance GRADE D Cost effectiveness Evi Dengue Diagnostics Dengue vaccine in Philippines D VRBPAC review FDA approval

2021

Dengue IgG test evaluation Evidence to recommendations framework (EtR) Draft recommendations to ACIP

2018

2017

Dengue epi and

vaccine

development

WG on hold Flavivirus WG split Dengue Vaccine Workgroup is formed

2020

Vaccine acceptability WHO global position Feasibility Health Equity

Dengue Vaccine Workgroup discussions Feb-May 2021

- Performance recommendations for a pre-vaccination screening test
- Evidence to recommendations framework
- Key messages for providers and families

ACIP February 24-25, 2021 Importance of a specific test for pre-vaccination screening

- CYD-TCV vaccine requires pre-vaccination screening
- Pre-vaccination dengue screening needs to be
 - specific to minimize vaccination of seronegative children
 - sensitive to maximize identification of children who can benefit
- Test performance characteristics to be included with ACIP recommendations
- CDC evaluation identified one ELISA tests and two rapid tests meeting recommended criteria with high specificity and sensitivity

ACIP Schedule 2021

- ACIP May 2021 Meeting
 - EtR and draft WG recommendations (NO VOTE)
- ACIP June 2021 Meeting
 - ACIP vote CYD TDV recommendations

Presentation today

Dengue vaccine

Evidence to recommendations framework

Gabriela Paz Bailey, MD, PhD, MSc

Dengue Branch, Division of Vector-Borne Diseases, CDC