

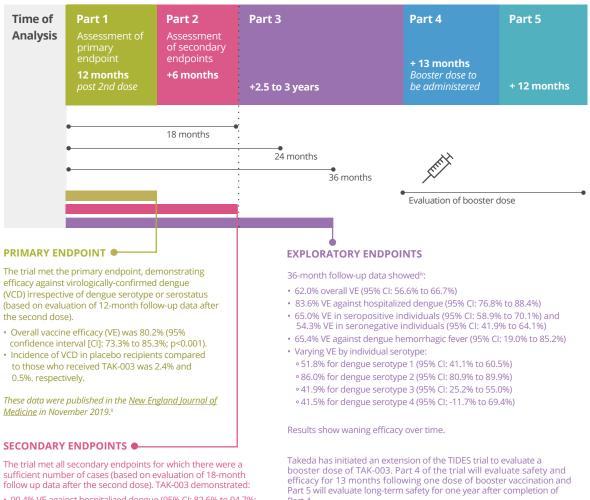
This fact sheet provides an overview of primary and secondary endpoints and long-term follow up results up to 36 months from the Tetravalent Immunization against Dengue Efficacy Study (TIDES) trial. The trial includes several exploratory analyses.

Trial Overview

The TIDES trial is a Phase 3, double-blind, randomized, placebo-controlled trial designed to evaluate the efficacy, safety and immunogenicity of a two-dose schedule, three months apart, of Takeda's dengue vaccine candidate (TAK-003) in healthy children.¹

The TIDES trial is Takeda Vaccines' largest interventional clinical trial to date. The trial enrolled over 20,000 healthy children and adolescents ages four to 16 years living in dengue-endemic areas.ⁱ

The study is comprised of five parts:



- 90.4% VE against hospitalized dengue (95% CI: 82.6% to 94.7%; p<0.001)
- 76.1% VE in seropositive individuals (95% Cl: 68.5% to 81.9%) and 66.2% VE in seronegative individuals (95% Cl: 49.1% to 77.5%)
- 66.2% VE in seronegative individuals (95% CI: 49.1% to 77.5%)
 85.9% VE against dengue hemorrhagic fever (95% CI: 31.9% to 97.1%)
- Varying VE by individual serotype:
- 69.8% for dengue serotype 1 (95% CI: 54.8% to 79.9%)
- 95.1% for dengue serotype 2 (95% CI: 89.9% to 97.6%)
- 48.9% for dengue serotype 3 (95% Cl: 27.2% to 64.1%)

Two secondary endpoints were not met, largely due to the small number of cases:

- Efficacy against dengue serotype 4
- Efficacy against severe VCD (Dengue Case Adjudication Committee [DCAC] criteria)

These data were published in <u>The Lancet</u> in March 2020.^{III}

SAFETY

TAK-003 has been generally well tolerated, and no important safety risks have been observed in the TIDES trial to date.^{iv} Most frequently reported reactions were injection site pain, headache, myalgia, malaise and asthenia.ⁱ

References

- i. ClinicalTrials.gov. Efficacy, Safety and Immunogenicity of Takeda's Tetravalent Dengue Vaccine (TDV) in Healthy Children (TIDES). 2019. Retrieved October 2020.
- ii. Biswal S, et al. Efficacy of a tetravalent dengue vaccine in healthy children and adolescents. *N Engl J Med*. 2019; 2019;381:2009-2019.
- iii. Biswal S, et al. Efficacy of a tetravalent dengue vaccine in healthy children aged 4-16 years: a randomized, placebocontrolled, phase 3 trial. *Lancet*. 2020. 2020;395:1423-1433.
- iv. Biswal, S. Three Years Efficacy of Takeda's Tetravalent Dengue Vaccine Candidate. Presented at 17th Conference of the International Society of Travel Medicine; May 2021.