

This fact sheet provides an overview of primary and secondary endpoints and long-term follow up exploratory results at 54 months from the Tetravalent Immunization against Dengue Efficacy Study (TIDES) trial. The trial is ongoing and 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.<sup>1</sup>

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.<sup>1</sup>

The study is comprised of five parts:

Time of Analysis	<b>Part 1</b> Assessment of primary endpoint	Part 2 Assessment of secondary endpoints	Part 3	Part 4	Part 5
	<b>12 months</b> post 2nd dose	+6 months	+2.5 to 3 years	+ <b>13 months</b> Booster dose to be administered	+ 12 months
	•	18 months			
	•		24 months 36 months	ALL A	
	•		54	months Evaluation of booster	dose
PRIMARY ENDPOINT			EXPLORATORY ANALYSES		
The trial met the primary endpoint, demonstrating efficacy against virologically-confirmed dengue			54-month follow-up data showed: <sup>4</sup>		
(VCD) irrespective of dengue serotype or serostatus (based on evaluation of 12-month follow-up data after the second dose).			<ul> <li>61.2% overall VE (95% CI: 56.0% to 65.8%)</li> <li>84.1% VE against hospitalized dengue (95% CI: 77.8% to 88.6%)</li> <li>64.2% VE in seropositive individuals (95% CI: 58.4% to 69.2%) and 53.5% VE in seronegative individuals (95% CI: 41.6% to 62.9%)</li> </ul>		
confidence inter- • Incidence of V	e efficacy (VE) was 80.2 erval [CI]: 73.3% to 85.3 CD in placebo recipient received TAK-003 was 2	3%; p<0.001). ts compared	These data were published in <u><i>The Lancet Global Health</i> in January 2024.<sup>4</sup></u>		
0.5%. respectively.			Takeda has extended the trial to evaluate a booster dose of TAK-003. Part 4 of the trial will evaluate safety and efficacy for 13 months		
These data were published in the <u>New England Journal of</u> <u>Medicine</u> in November 2019. <sup>2</sup>			following one dose of booster vaccination and Part 5 will evaluate long-term safety for one year after completion of Part 4.		
SECONDARY	ENDPOINTS -				
sufficient numb	secondary endpoints f er of cases (based on e ifter the second dose).	valuation of 18-mon	th		
<ul> <li>90.4% VE agair p&lt;0.001)</li> </ul>	nst hospitalized dengue	e (95% CI: 82.6% to 94	4.7%;		
<ul> <li>76.1% VE against VCD in seropositive individuals (95% CI: 68.5% to 81.9%) and 66.2% VE in seronegative individuals (95% CI: 49.1% to 77.5%)</li> </ul>					
• 85.9% VE against dengue hemorrhagic fever (95% Cl: 31.9% to 97.1%)					
<ul> <li>Varying VE by individual serotype:</li> <li>69.8% for dengue serotype 1 (95% CI: 54.8% to 79.9%)</li> <li>95.1% for dengue serotype 2 (95% CI: 89.9% to 97.6%)</li> </ul>					
48.9% for dengue serotype 3 (95% CI: 27.2% to 64.1%) Two secondary endpoints were not met, largely due to the small					
	st dengue serotype 4	Case Adjudication			
<ul> <li>Efficacy against severe VCD (Dengue Case Adjudication Committee [DCAC] criteria)</li> <li>These data were published in <u>The Lancet</u> in March 2020.<sup>3</sup></li> </ul>					
mese auta were	published in <u>The Lancet</u>	111 WULCH 2020. <sup>9</sup>			
SAFETY					
safety risks h	ave been observed	in the TIDES trial	o evidence of disease enhan to date. <sup>4</sup> Most frequently rep se, asthenia and fever. <sup>1</sup>		
Reference	25				

- 1. ClinicalTrials.gov. Efficacy, Safety and Immunogenicity of Takeda's Tetravalent Dengue Vaccine (TDV) in Healthy Children (TIDES). 2019. Retrieved May 2022.
- 2. Biswal S, et al. Efficacy of a tetravalent dengue vaccine in healthy children and adolescents. N Engl J Med. 2019; 2019;381:2009-2019.
- 3. Biswal S, et al. Efficacy of a tetravalent dengue vaccine in healthy children aged 4-16 years: a randomized,
- placebo-controlled, phase 3 trial. Lancet. 2020. 2020;395:1423-1433.
- 4. Tricou V, et al. Long-term efficacy and safety of a tetravalent dengue vaccine (TAK-003): 4-5-year results from a phase 3, randomised, double-blind, placebo-controlled trial. Lancet Glob Health. 2024; 12: e257-e270.

