Comparing COVID-19 Waves in India

data through October 10

STATS	WAVE 1		WAVE 2
	MARCH 24, 2020 - FEBRUARY 14, 2021	JUNE 3, 2020 - FEBRUARY 14, 2021	FEBRUARY 15, 2021 - OCTOBER 10, 2021
Maximimum # Daily New Cases	97,860 (September 16)	97,860 (September 16)	414,280 (May 6)
Maximum Effective R	3.61 (March 24, daily = 74, total = 571)	1.34 (July 25, daily = 50,072, total = 1,387,088)	1.65 (March 21, daily = 47,009, total = 11,645,641)
Maximum # Daily reported deaths	2,004 (June 16, reporting blip); 1,281 (September 15)	2,004 (June 16, reporting blip); 1,281 (September 15)	6,139 (June 9)
Maximum daily TPR	15.7% (July 19: 40,235 cases, 256,039 tests)	15.7% (July 19: 40,235 cases, 256,039 tests)	25.3% (April 25: 354,658 cases, 1,402,367 tests)
Maximum # Daily tests done	1,492,409 (September 24)	1,492,409 (September 24)	3,740,296 (June 4)
Total # cases during this period	10,904,199	10,472,030	23,066,387
Total # deaths during this period	155,078	142,518	295,137
Case fatality rates	1.4%	1.4%	1.3%
Biggest 30-day relative increase in cases	25.14x, 2413.70% (73 on March 26 to 1,835 on April 25)	3.36x, 236.29% (13,560 on June 22 to 45,601 on July 22)	8.22x, 722.48% (15,353 on March 8 to 126,276 on April 7)
Biggest 30-day relative increase in deaths	59.00x, 5800.00% (1 on March 25 to 59 on April 24)	3.62x, 262.18% (312 on June 22 to 1,130 on July 22)	13.71x, 1270.68% (266 on March 29 to 3,646 on April 28)
Biggest 30-day relative increase in TPR	2.70x, 169.89% (3.25% on May 1 to 8.77% on May 31)	2.02x, 102.42% (7.76% on June 19 to 15.71% on July 19)	5.26x, 426.07% (3.86% on March 19 to 20.28% on April 18)
Biggest 30-day relative increase in daily tests	20.76x, 1975.84% (1,987 on March 24 to 41,247 on April 23)	3.43x, 243.12% (180,596 on July 5 to 619,652 on August 4)	2.37x, 136.89% (1,541,299 on May 4 to 3,651,198 on June 3)