

Supplementary data

Table S1. Model parameters by country

	Switzerland	Greece
Data source	IQVIA data [24]	Data source
Targeted population	Girls and boys	Girls
Average doses per month during reference year (2019)	14,596	11,886
Covid-19 related periods		
Start of the COVID-19 period	03/2020	03/2020
Transition period	01/2021 ¹	03/2022
Start of catch-up period	03/2022	09/2022

¹ A gradual increase in the number of vaccine doses disseminated in Switzerland was already observed in 2021 and was assumed to continue until the start of the catch-up period.

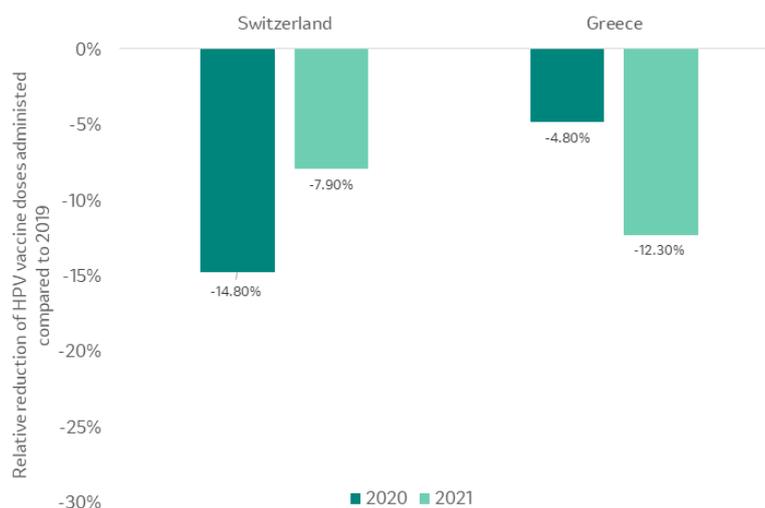


Figure S1. Relative reduction in the number of vaccine doses administered in 2020/2021

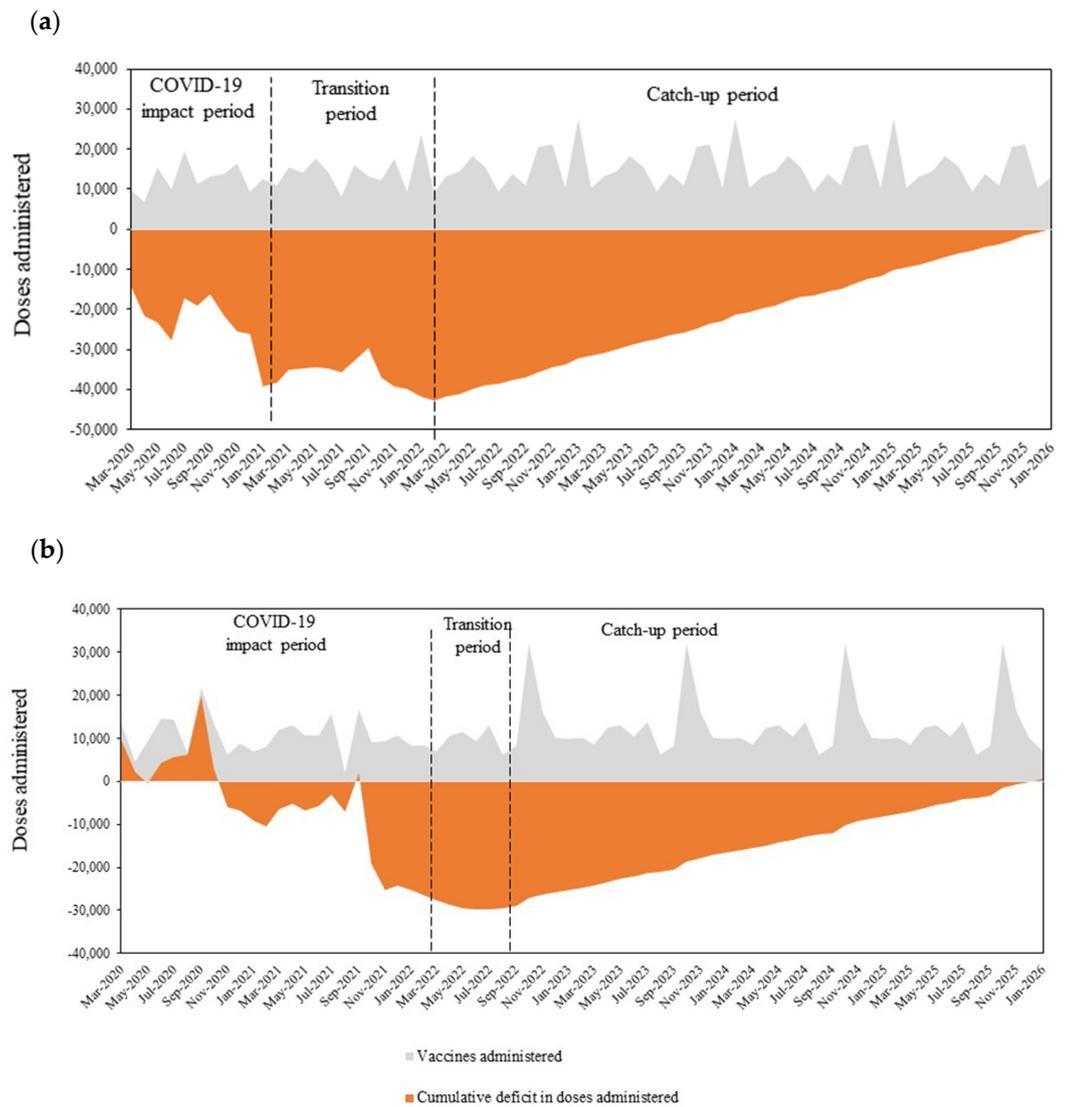


Figure S2. Deficits in vaccine doses administered due to the COVID-19 pandemic and model predictions for clearing the cumulative HPV deficit by the end of 2025 (pessimistic scenario) (a) Switzerland and (b) Greece.

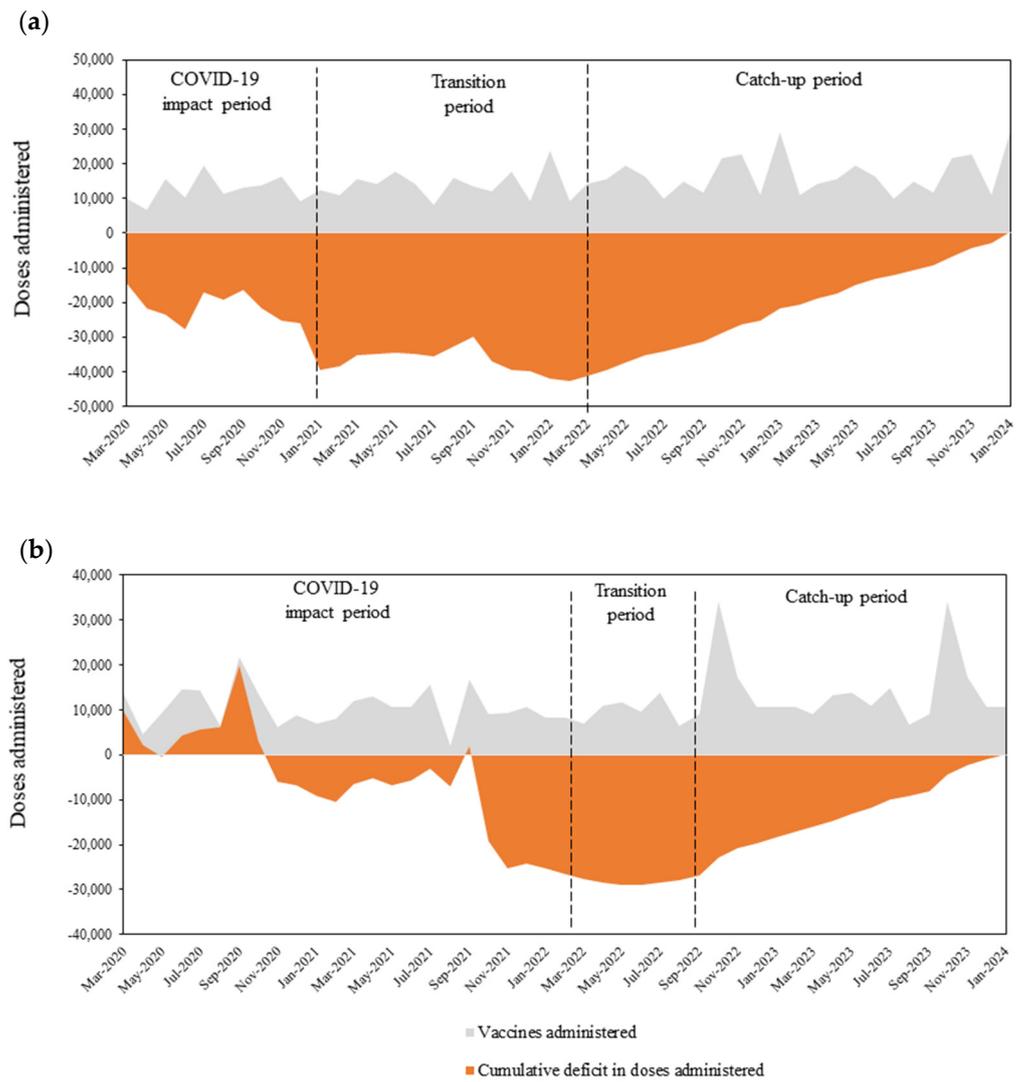


Figure S3. Deficits in vaccine doses administered due to the COVID-19 pandemic and model predictions for clearing the cumulative HPV deficit by the end of 2023 (optimistic scenario) (a) Switzerland and (b) Greece.