

## Supplementary Material

Figure S1 – Year of introduction and type of offering by Region/AP of rotavirus vaccination in Italy, 2009-2019.

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Abruzzo											
Basilicata											
Bolzano (AP)											
Calabria											
Campania											
Emilia-Romagna											
Friuli-Venezia Giulia											
Lazio											
Liguria											
Lombardy											
Marche											
Molise											
Piedmont											
Puglia											
Sardinia											
Sicily											
Tuscany											
Trento (AP)											
Umbria											
Valle d'Aosta											
Veneto											

	Universal active and free
	Free but not active
	Copayment
	Only at-risk categories and free

Figure S2 – Observed and forecasted rates using Negative Binomial Model with fixed effects on weekly rates of AGE hospital discharges in Italy, 2009-2019; 0-71 months.

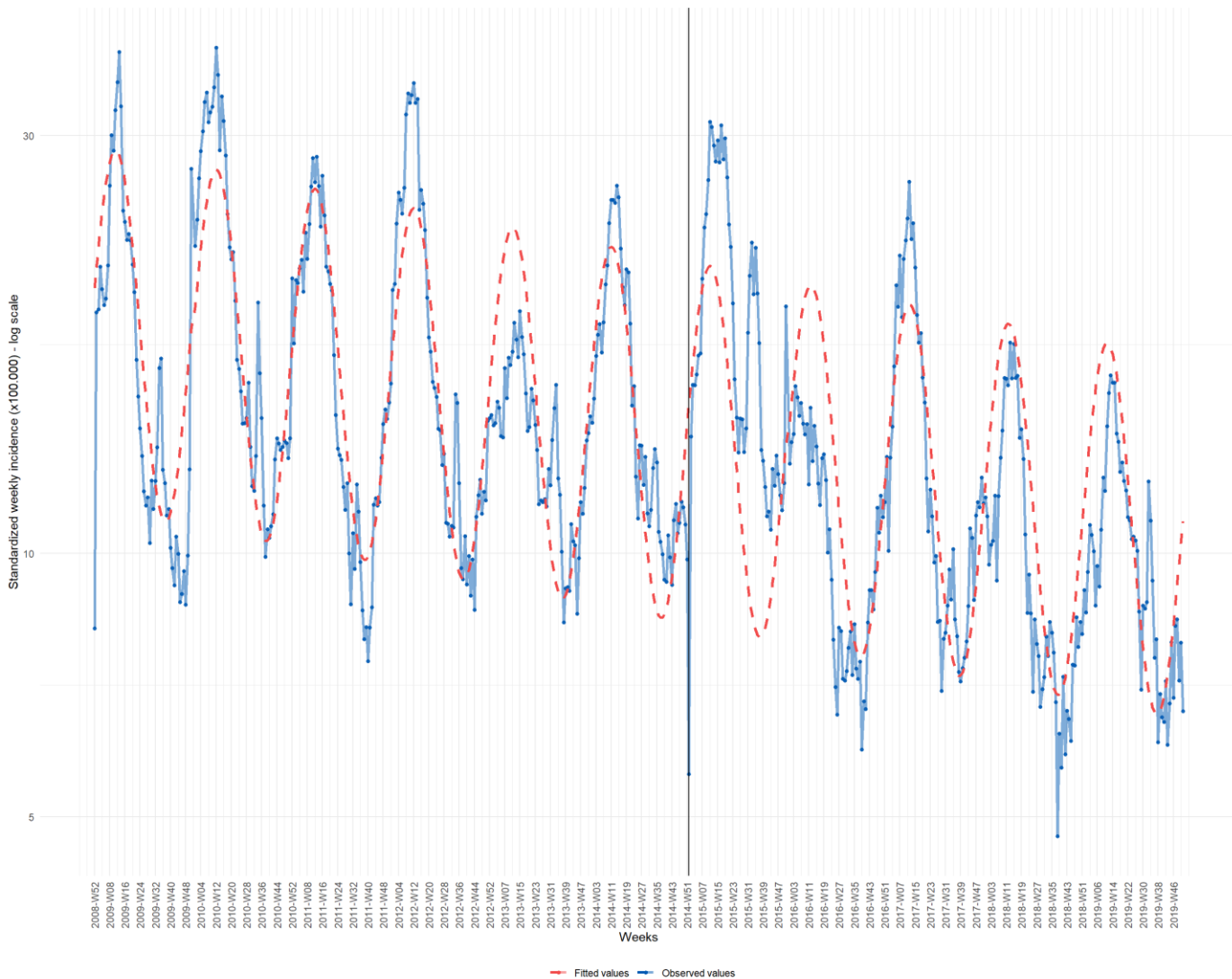


Figure S3 – Observed and forecasted rates using Negative Binomial Model with fixed effects on weekly rates of RV hospital discharges in Italy (ICD-9-CM code: 00861), 2009-2019; 0-71 months.

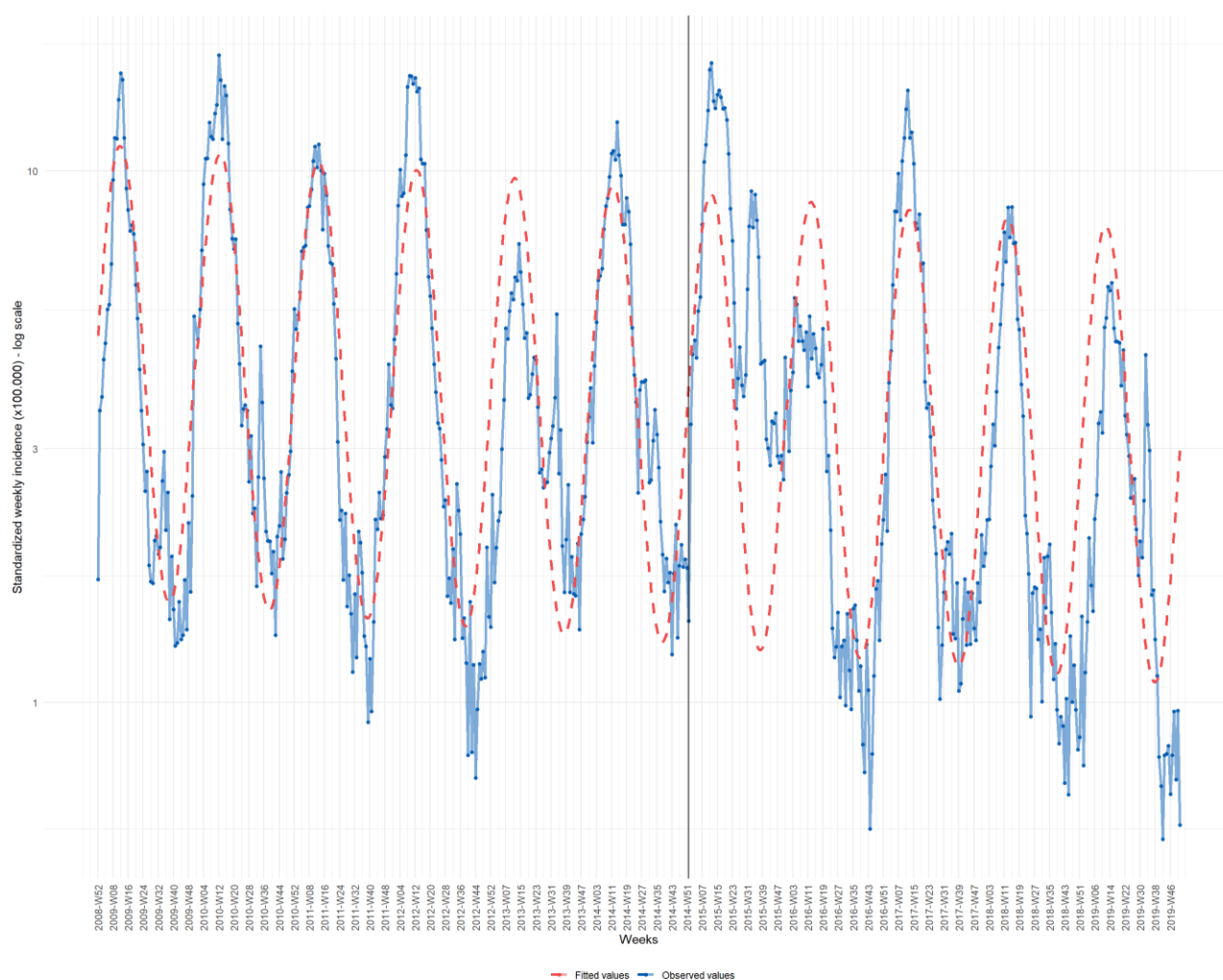


Table S1 – Forecasted rates, actual rates and avoided hospital discharges of RV hospital discharges in Italy (ICD-9-CM code: 00861), 2015-2019.

Year	Forecasted rates	Actual rates	Difference between rates	% of avoided discharges*
2015	4.2	7.1	-2.9	-67.7
2016	4.1	2.6	1.5	35.8
2017	4.0	4.4	-0.5	-12.2
2018	3.8	2.8	1.0	26.2
2019	3.7	2.6	1.1	31.0

\* obtained as Difference x100/Forecasted rates; RV:Rotavirus