

Table S5. Results of the sensitivity analysis for costs and other probabilities. The comparison is universal vs. targeted vaccination from a societal perspective.

PARAMETER	Minimum value	Base-case data	Maximum value	ICUR Rotarix®. Base case €57,631/QALY	ICUR RotaTeq® Base case €69,068/QALY	Sources and observations
COSTS AND OTHER PROBABILITIES. Costs are in euros and updated in September 2021. If sufficient information is available, the ranges found in the literature are used. Otherwise, a reduction of 60% and an increase of 100% are used.						
Primary care costs SNHS perspective	9.02	22.56	45.12	57048-57981	68439-69445	Minimum value is the Spanish value of Giaquinto [20]. Maximum value of Giaquinto is €90.06, which is an increase of 200%, so an increase of 100% is used.
Hospitalization costs SNHS perspective	2118.08	2315.06	2639.95	56804-58133	68206-69590	[7]
Nosocomial infection costs SNHS perspective	390.91	924.79	1446.37	57148-58125	68565-69582	[7,22]
Nosocomial infections costs societal perspective	132.59	270.83	404.59	57507-57759	68939-69201	[7,22]
Emergency care costs SNHS perspective	107.04	270.71	541.42	52391-60800	63426-72478	Minimum value is the Spanish value of Giaquinto [20]. Maximum value of Giaquinto is €636.89, which is an increase of 135%, so an increase of 100% is used.
Primary care costs societal perspective	79.09	197.73	395.46	52607-60646	63650-72318	Minimum value is a 60% reduction of the Spanish value of Giaquinto [20]. Maximum value of Giaquinto is €602.1, which is an increase of 155%, so an increase of 100% is used.
Home care costs societal perspective	31.89	53.15	106.3	47920-61516	59646-72836	General criteria. Reduction of 60% and increase of 100%.
Hospitalization costs societal perspective	341.19	402.08	804.16	56235-57843	67613-69288	Minimum value from Giaquinto [20]. Maximum value of Giaquinto is €964.7, which is an increase of 139%, so an increase of 100% is used.

Emergency care costs societal perspective	108.81	272.03	544.06	57631-62323	63997-72110	Minimum value is a 60% reduction of the Spanish value of Giaquinto [20]. Maximum value of Giaquinto is €670.34, which is an increase of 146%, so an increase of 100% is used.
Rotarix® administration costs	4.42	6	6.62	56885-57924		[21,35]
RotaTeq® administration costs	8.84	12	13.24		67577-69652	[21,35]
Rotarix® price	93.66	187.32	187.32	13408-57631		The minimum value is a 50% reduction in the price
RotaTeq® price	104.25	208.5	208.5		19900-69068	The minimum value is a 50% reduction in the price
Efficacy/effectiveness of Rotarix® against rotavirus AGE	0.46	0.74	0.87	43171-109257		Supplement 1
Efficacy/effectiveness of RotaTeq® against rotavirus AGE	0.5	0.735	0.87		53103-115689	Supplement 1
Efficacy/effectiveness of Rotarix® against rotavirus AGE requiring healthcare	0.22	0.03	0.03	56695-58035		Increase over AGE efficacy/effectiveness. Supplement 1
Efficacy/effectiveness of RotaTeq® against rotavirus AGE requiring healthcare	0.39	0.195	0.09		68631-69652	Increase over AGE efficacy/effectiveness. Supplement 1
Efficacy/effectiveness of Rotarix® against rotavirus AGE requiring hospitalization	0.06	0.08	0.07	57388-57956		Increase over AGE efficacy/effectiveness. Supplement 1
Efficacy/effectiveness of RotaTeq® against rotavirus AGE requiring hospitalization	0	0.015	0.03		68909-69120	Increase over AGE efficacy/effectiveness. Supplement 1
Lethality among hospitalized	0	0.000043653	0.0000873	57369-57896	68740-69398	[7]
Increased hospitalization invagination	0	0	0.0152000	57631-57765	69067-69183	[18]
Vaccination coverage in the general population	0.6	0.947	1	57604-57926	69040-69373	[13]
Vaccination coverage increase in the high-risk population	0	0.023	0.046	57627-57635	69064-69071	The maximum value is double that reported by Bruijning-Verhagen 2018 [14]