# Preferencias de las Enfermeras sobre las Vacunas Tetravalentes frente al Meningococo A, C, W e Y

Discrete Choice Experiment (DCE) / Experimento de **Elecciones Discretas** 



Contents lists available at ScienceDirect

#### Public Health

journal homepage: www.elsevier.com/locate/puhe



Nurses' preferences regarding MenACWY conjugate vaccines attributes: a discrete choice experiment in Spain



J.A. Forcada-Segarra <sup>a, b</sup>, I. Cuesta-Esteve <sup>a, c</sup>, A. García Pérez <sup>a, d</sup>, R. Sancho Martínez <sup>a, e</sup>, P. Rey Biel f, G. Carrera-Barnet g, A. de la Cuadra-Grande h, m.Á. Casado h, G. Drago i, M. Gómez-Barrera h, J.L. López-Belmonte

- <sup>b</sup> Public Health Nurse, Valencia, Spain <sup>c</sup> Nurse and Matron, Zaragoza, Spain <sup>d</sup> Primary Care Nurse, Cáceres, Spain
- <sup>e</sup> Vaccinology, Public Health, Basque Government, San Sebastian, Spain f ESADE Business School, Universitat Ramón Llull, Spain
- Market Access, Sanofi, Barcelona, Spain
- Pharmacoeconomics and Outcomes Research Iberia (PORIB), Paseo Joaquín Rodrigo 4 e Letter 1, Pozuelo de Alarcón, 28224, Madrid, Spain

### Revisión bibliográfica

identificar criterios para relevantes sobre la preferencia por una determinada vacuna MenACWY.



### Encuesta de preferencias

con un grupo de 30 enfermeras con experiencia en vacunación mediante un cuestionario online.

	VACCII	NE A	VACCINE B		
Pharmaceutical form	Treeze-dried formulation		Liquid formulation		
Evidence of coadministration with other vaccines	Travel vaccinations (aparese exceptation, pellow fever, righted fever, Morth, rates, FIX)		Routine vaccinations (DNH, 41se, HIS, MMR, 101; PCI; HIS, PY, HPI)	1	
Shelf life of the pharmaceutical presentation stored at 2-8 °C	Until 42 months	42	Until 36 months	36	
Package contents (without leaflet and springer)  Rate it a source/ful, it of com, insufety continues debased associated to the foresteed agreement of the Ministry and the Deather (MINISTRATE) and Deather (M	Valls		Viol/s + Plantic blinter		
For storage and distribution purposes: Number of single doses per package	Each package has 1 single-dose	1	Each-package-contains 10 single closes	11111	
For storage and distribution purposes: Volume of the package of 1 single dose (cm <sup>4</sup> )	55-cm² (60 x 30 x 30 mm)		138 cm <sup>3</sup> (133 x 26 x 40 mm)		

## Focus Group

con un Comité Científico compuesto por 4 enfermeras con experiencia y vacunación y 1 experto en economía para la selección de los criterios definitivos:

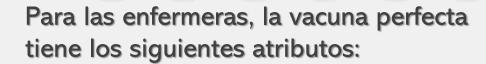
- Forma farmacéutica 1)
- 2) Evidencia de coadministración con otras vacunas
- 3) Periodo hasta caducidad almacenada a 2-8°C
- Contenido del envase (cartonaje)
- Número de monodosis por envase
- Volumen del paquete (1 monodosis)

#### Proceso Deliberativo



para revisar y discutir los resultados obtenidos.





Attributes	Levels	Coefficient	SE	Z	P-Value	OR	95% CI	RI		
Pharmaceutical form	Liquid formulation	0.412	0.066	6.216	<0.001 *	1.510	1.326-1.719	19.07%		
	Freeze-dried formulation	$-0.412^{a}$	[Reference] <sup>b</sup>							
Evidence of coadministration	Routine vaccines <sup>c</sup>	0.946	0.078	12.102	<0.001 *	2.579	2.210-3.002	43.78%		
with other vaccines	Travel vaccines <sup>d</sup>	$-0.946^{a}$	[Reference] <sup>b</sup>							
Shelf life of the pharmaceutical	Until 36 months	-0.061	0.083	-0.735	0.463	0.941	0.799 - 1.108	2.64%		
presentation stored at	Until 42 months	0.072	0.082	0.885	0.376	1.075	0.916 - 1.261			
2-8 °C	Until 48 months	$-0.011^{a}$	[Reference] <sup>b</sup>							
Package contents (without	Vial/s	0.249	0.075	3.331	<0.001 *	1.283	1.108 - 1.486	11.80%		
leaflet and syringes)	Vial/s + Plastic blisters	0.006	0.080	0.076	0.939	1.006	0.860 - 1.177			
	Vial/s + Plastic	$-0.255^{a}$	[Reference] <sup>b</sup>							
	blisters + Needles without									
	biosafety systems									
For storage and distribution purposes: Number of single	Each package contains 1 single dose	0.006	0.085	0.074	0.941	1.006	0.852-1.188	0.55%		
doses per package	Each package contains 5 single doses	0.006	0.081	1.119	0.263	1.095	0.934-1.284			
	Each package contains 10 single doses	$-0.012^{a}$	[Referer	ice] <sup>b</sup>						
For storage and distribution	55 cm <sup>3</sup> (60 x 30 × 30 mm)	0.402	0.086	4.693	<0.001 *	1.494	1.264-1.767	22.17%		
purposes: Volume of the	138 cm <sup>3</sup> (133 x 26 × 40 mm)	0.077	0.080	0.964	0.335	1.080	0.923 - 1.264			
package of 1 single dose (cm <sup>3</sup> )	208 cm <sup>3</sup> (135 x 27 × 57 mm)	-0.479	[Reference] <sup>b</sup>							
Constant/Intercept		-0.077	0.104							



Con evidencia de coadministración con otras vacunas de rutina.

Formulación líquida (*ready to use*).

Cuyo envase tenga el menor tamaño posible.

Cuyo cartonaje incluye únicamente los viales (poco residuo).

Sin preferencias en relación con el periodo de caducidad.

Sin preferencias en relación con el número de monodisis por envase.