

supplementary information to the article

A global map of hemispheric influenza vaccine recommendations

based on local patterns of viral circulation

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Table S1. Countries included in the analysis, month of primary peak and most appropriate vaccine (most recent vaccine at least two months before the primary peak) . Countries that should adopt the vaccine recommended for the opposite hemisphere (as measured by their capital latitude) are highlighted with a grey background. Key of colors follow the ones used in the article

Country	Latitude Capital	Classification *	Hemisphere	Month primary peak**	Correct vaccine
Iceland	64.1	Temperate	Northern	2.4	NHR
Finland	60.2	Temperate	Northern	2.0	NHR
Norway	59.9	Temperate	Northern	2.1	NHR
Sweden	59.3	Temperate	Northern	2.6	NHR
Latvia	56.9	Temperate	Northern	2.8	NHR
Russian Federation	55.7	Temperate	Northern	2.8	NHR
Denmark	55.7	Temperate	Northern	2.1	NHR
Estonia	55.4	Temperate	Northern	2.4	NHR
Lithuania	54.7	Temperate	Northern	1.9	NHR
Belarus	53.9	Temperate	Northern	2.5	NHR
Ireland	53.3	Temperate	Northern	1.9	NHR
Germany	52.5	Temperate	Northern	2.4	NHR
Netherlands	52.4	Temperate	Northern	2.2	NHR
Poland	52.2	Temperate	Northern	1.8	NHR
UK	51.5	Temperate	Northern	1.4	NHR
Kazakhstan	51.2	Temperate	Northern	2.4	NHR
Belgium	50.9	Temperate	Northern	2.0	NHR
Ukraine	50.5	Temperate	Northern	2.9	NHR
Czech Republic	50.1	Temperate	Northern	2.2	NHR
Luxembourg	49.6	Temperate	Northern	2.0	NHR
France	48.9	Temperate	Northern	2.1	NHR
Austria	48.2	Temperate	Northern	2.6	NHR
Slovakia	48.1	Temperate	Northern	2.7	NHR
Mongolia	47.9	Temperate	Northern	2.5	NHR
Hungary	47.5	Temperate	Northern	2.6	NHR
Republic of Moldova	47.0	Temperate	Northern	2.5	NHR
Switzerland	46.9	Temperate	Northern	2.3	NHR
Slovenia	46.1	Temperate	Northern	2.3	NHR
Croatia	45.8	Temperate	Northern	2.5	NHR
Canada	45.4	Temperate	Northern	1.3	NHR
Serbia	44.8	Temperate	Northern	2.5	NHR
Romania	44.4	Temperate	Northern	2.3	NHR
Bosnia and Herzeg.	43.9	Temperate	Northern	1.9	NHR

Kyrgyzstan	42.9	Temperate	Northern	1.6	NHR
Bulgaria	42.7	Temperate	Northern	2.3	NHR
Italy	41.9	Temperate	Northern	2.0	NHR
Georgia	41.7	Temperate	Northern	2.4	NHR
Albania	41.3	Temperate	Northern	2.2	NHR
Uzbekistan	41.0	Temperate	Northern	1.5	NHR
Azerbaijan	40.4	Temperate	Northern	3.5	NHR
Spain	40.4	Temperate	Northern	2.0	NHR
Armenia	40.2	Temperate	Northern	2.8	NHR
Turkey	39.9	Temperate	Northern	1.7	NHR
USA	38.9	Temperate	Northern	1.1	NHR
Portugal	38.7	Temperate	Northern	2.1	NHR
Greece	38.0	Temperate	Northern	2.2	NHR
Republic of Korea	37.6	Temperate	Northern	1.9	NHR
Tunisia	36.8	Temperate	Northern	2.4	NHR
Algeria	36.8	Temperate	Northern	1.6	NHR
Malta	35.9	Temperate	Northern	1.6	NHR
Iran	35.7	Temperate	Northern	1.3	NHR
Japan	35.7	Temperate	Northern	1.7	NHR
Afghanistan	34.5	Temperate	Northern	1.4	NHR
Morocco	34.0	Temperate	Northern	1.3	NHR
Pakistan	33.7	Temperate	Northern	1.7	NHR
Iraq	33.3	Temperate	Northern	1.9	NHR
Jordan	32.0	Temperate	Northern	12.7	NHR
Israel	31.8	Temperate	Northern	2.0	NHR
Egypt	30.0	Temperate	Northern	1.1	NHR
Bhutan	27.0	Temperate	Northern	8.3	SHR
Nepal	27.0	Temperate	Northern	8.5	SHR
Bahrain	26.0	Temperate	Northern	12.6	NHR
Qatar	25.3	Temperate	Northern	12.6	NHR
Bangladesh	23.7	Temperate	Northern	6.9	SHR
Oman	23.6	Temperate	Northern	1.6	NHR
Cuba	23.1	Tropical	Northern	5.5	NHR
Viet Nam	21.0	Tropical	Northern	7.0	SHR
Mexico	19.4	Tropical	Northern	1.5	NHR
Dominican Republic	18.5	Tropical	Northern	6.4	SHR
Mauritania	18.1	Tropical	Northern	1.3	NHR
Jamaica	18.0	Tropical	Northern	10.1	SHR
Laos	18.0	Tropical	Northern	10.2	SHR
Guadeloupe	16.0	Tropical	Northern	2.0	NHR

Senegal	14.7	Tropical	Northern	10.3	SHR
Guatemala	14.6	Tropical	Northern	3.5	NHR
Martinique	14.6	Tropical	Northern	2.4	NHR
Philippines	14.6	Tropical	Northern	8.5	SHR
Honduras	14.1	Tropical	Northern	8.6	SHR
Thailand	13.8	Tropical	Northern	9.1	SHR
El Salvador	13.7	Tropical	Northern	7.0	SHR
Niger	13.5	Tropical	Northern	2.3	NHR
Mali	12.7	Tropical	Northern	10.0	SHR
Burkina Faso	12.4	Tropical	Northern	2.5	NHR
Nicaragua	12.1	Tropical	Northern	10.3	SHR
Cambodia	11.6	Tropical	Northern	10.5	SHR
Venezuela	10.5	Tropical	Northern	3.8	NHR
Costa Rica	9.9	Tropical	Northern	7.4	SHR
Nigeria	9.1	Tropical	Northern	10.0	SHR
Ethiopia	9.0	Tropical	Northern	11.4	SHR
Panama	9.0	Tropical	Northern	6.9	SHR
Sierra Leone	8.5	Tropical	Northern	9.1	SHR
Sri Lanka	6.9	Tropical	Northern	12.6	NHR
Côte d'Ivoire	6.9	Tropical	Northern	10.4	SHR
Togo	6.1	Tropical	Northern	11.3	SHR
Ghana	5.6	Tropical	Northern	3.9	NHR
French Guiana	4.9	Tropical	Northern	4.2	NHR
Colombia	4.6	Tropical	Northern	6.2	SHR
Cent. Afr. Republic	4.4	Tropical	Northern	9.2	SHR
Cameroon	3.9	Tropical	Northern	10.9	SHR
Malaysia	3.1	Tropical	Northern	4.7	NHR
Singapore	1.4	Tropical	Northern	5.8	NHR
Uganda	0.3	Tropical	Northern	10.2	SHR
Ecuador	-0.2	Tropical	Southern	1.5	NHR
Kenya	-1.3	Tropical	Southern	3.3	NHR
Rwanda	-2.0	Tropical	Southern	3.6	NHR
D. R. of the Congo	-4.3	Tropical	Southern	1.8	NHR
Congo	-4.7	Tropical	Southern	6.4	SHR
Tanzania	-6.2	Tropical	Southern	1.2	NHR
Indonesia	-6.2	Tropical	Southern	1.7	NHR
Angola	-8.8	Tropical	Southern	4.0	NHR
Peru	-12.0	Tropical	Southern	8.0	SHR
Zambia	-15.4	Tropical	Southern	9.2	SHR
Bolivia	-16.5	Tropical	Southern	6.5	SHR

Fiji	-18.1	Tropical	Southern	10.1	SHR
Madagascar	-18.9	Tropical	Southern	2.4	NHR
Mauritius	-20.2	Tropical	Southern	7.5	SHR
New Caledonia	-22.3	Tropical	Southern	8.5	SHR
Paraguay	-25.3	<i>Temperate</i>	<i>Southern</i>	7.2	SHR
South Africa	-25.7	<i>Temperate</i>	<i>Southern</i>	7.3	SHR
Mozambique	-26.0	<i>Temperate</i>	<i>Southern</i>	3.2	NHR
Chile	-33.5	<i>Temperate</i>	<i>Southern</i>	7.7	SHR
Argentina	-34.6	<i>Temperate</i>	<i>Southern</i>	7.4	SHR
Uruguay	-34.9	<i>Temperate</i>	<i>Southern</i>	7.7	SHR
Australia	-33.9	<i>Temperate</i>	<i>Southern</i>	8.3	SHR
New Zealand	-41.3	<i>Temperate</i>	<i>Southern</i>	8.3	SHR

* based on the latitude of the capital

** second digit denotes the time within the month