No trade? No vaccine.

Which countries do what in vaccine production and distribution?
Top exporters of ingredients

**Adjuvants** (e.g. aluminium salts)
- Mexico 11.4%
- China 11.1%
- Turkey 9.1%

**Preservatives** (e.g. thimerosal)
- Germany 17.2%
- Argentina 13%
- India 12%

**Stabilisers** (e.g. sorbitol)
- France 36.4%
- China 13.3%
- Germany 12.5%

**Antibiotics** (e.g. neomycin)
- China 23.1%
- Switzerland 17%
- Italy 9.4%

Share in global exports (%), 2018
Source: Using trade to fight COVID-19: Manufacturing and distributing vaccines, Fig. 4, OECD 2021.
Top exporters of syringes and needles

Syringes
- United States 14.5%
- China 11.2%
- Germany 9.6%

Needles
- United States 21.4%
- Ireland 13.5%
- Mexico 11.3%

Share in global exports (%), 2018
Source: Using trade to fight COVID-19: Manufacturing and distributing vaccines, Fig. 4, OECD 2021.
Top exporters of stoppers and vials

**Stoppers**
- Germany 17%
- China 11.1%
- Poland 6.7%

**Vials**
- China 17%
- Germany 13%
- Italy 8.7%

Share in global exports (%), 2018

Source: Using trade to fight COVID-19: Manufacturing and distributing vaccines, Fig. 4, OECD 2021.
Top exporters of cold chain components

**Freezers**
- China 67%
- Italy 3.5%
- Romania 3.5%

**Vaccine carriers**
- United States 17.7%
- Germany 14.2%
- Mexico 11.9%

**Cold boxes**
- China 14.7%
- Germany 12.6%
- France 6.9%

**Dry ice**
- Netherlands 15.4%
- Israël 12%
- United States 8.8%

Share in global exports (%), 2018
Source: Using trade to fight COVID-19: Manufacturing and distributing vaccines, Fig. 4, OECD 2021.
Top 3 exporters of items needed to make, distribute and administer vaccines

**China**
- Freezers: 67%
- Antibiotics: 23%
- Vials: 17%
- Cold boxes: 15%
- Stabilisers: 13%
- Syringes: 11%
- Adjuvants: 11%
- Stoppers: 11%

**Germany**
- Preservatives: 17%
- Stoppers: 17%
- Vaccine carriers: 17%
- Vials: 14%
- Cold boxes: 13%
- Syringes: 10%

**United States**
- Needles: 21%
- Vaccine carriers: 18%
- Syringes: 15%
- Dry ice: 9%

Share in global exports (%), 2018

Source: Using trade to fight COVID-19: Manufacturing and distributing vaccines, Fig. 4, OECD 2021.
See more data insights

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