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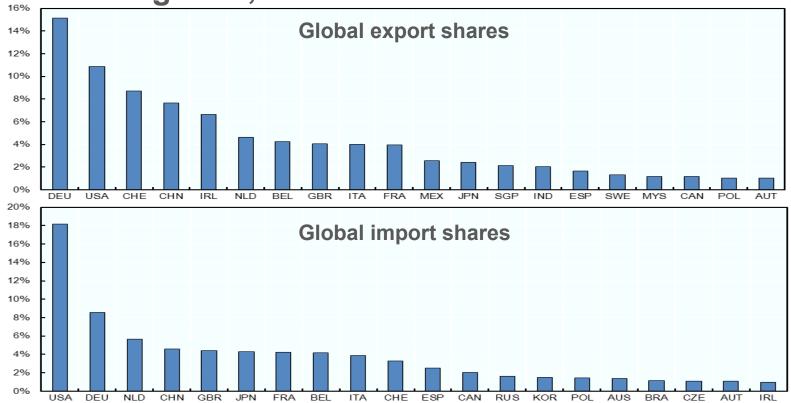
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Global export and import shares of COVID-19 related goods, 2018



Source: OECD (2020). https://read.oecd-ilibrary.org/view/?ref=132_132706-m5stc83l59&title=Policy-Respone-Trade-Interdependencies-in-Covid19-Goods





Trade interdependencies in COVID-19 goods: top exporters in 2018

*Textile face mask: China 50.4%. Germany 6.3%, USA 5.3%.

Intubation kits: USA 17.7%. Germany 14.1%, Mexico 11.9% Patient monitoring devices:

Protective spectacles: China 48%, USA 6.1%, Germany 5.7%

*Paper bed sheets: China 23.9%, Germany 8.2%, USA 7.5%

*Non-woven protective garments: China 42.8%, Cambodia 6.6%, Belgium 5.6%.

Surgical gloves:

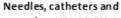
Malaysia 39.1%, Thailand 20.1%, China, 9.7%

cannulae: USA 19.6%, Ireland

USA 22%, Japan 14.4%, Germany 12%

> Masks with mechanical parts: Germany 19.6%, UK 16.8%, USA 16.2%

*Other rubber gloves: Malaysia 59.3%, Thailand 14.1%, China



13%, Mexico 11.3%

Source: OECD (2020). https://read.oecd-ilibrary.org/view/?ref=132 132706-m5stc83l59&title=Policy-Respone-Trade-Interdependencies-in-Covid19-Goods





The face mask value chain and its main bottlenecks during the COVID-19 crisis

Raw materials Processed inputs 1

Processed inputs 2

Assembly line

Sterilisation

Testing and packaging

Distribution

Petroleum oil Metal Paper pulp (Cotton) Polypropylene
Nylon spandex
Aluminium
Galvanised
iron or steel
Cardboard

Nonwoven fabric Metal strips Ear loops Boxes for packaging (Other fabric)

There is a shortage of melt-blown polypropylene manufactured by a limited number of companies

[Ultrasonic welding]

While ultrasonic welding is used in a variety of industries, assembly lines for face masks are very specific and in shortage. Other machines can be used but requiring some adjustments Most countries manufacturing face masks have put in place export bans or equivalent measures Distribution is more complicated in the context of a shortage

Source: OECD (2020). https://read.oecd-ilibrary.org/view/?

ref=132_132616-l4i0j8ci1q&title=The-Face-Mask-Global-Value-Chain-in-the-COVID-19-Outbreak-Evidence-and-Policy-Lessons



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