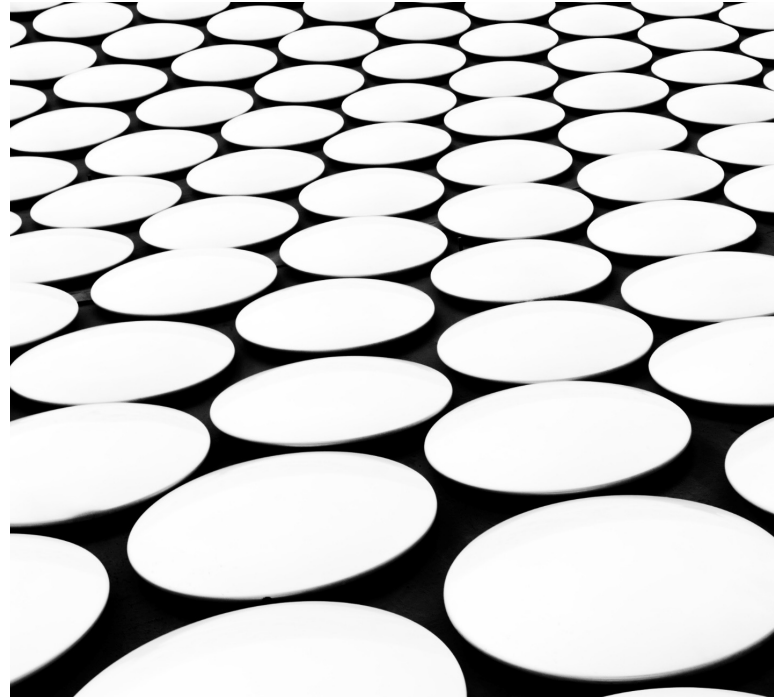


# CORONAVIRUS AND SUPPLY CHAINS APRIL 15, 2021

PROFESSOR SIMON CROOM PHD



# SUPPLY CHAINS RUN THE WORLD

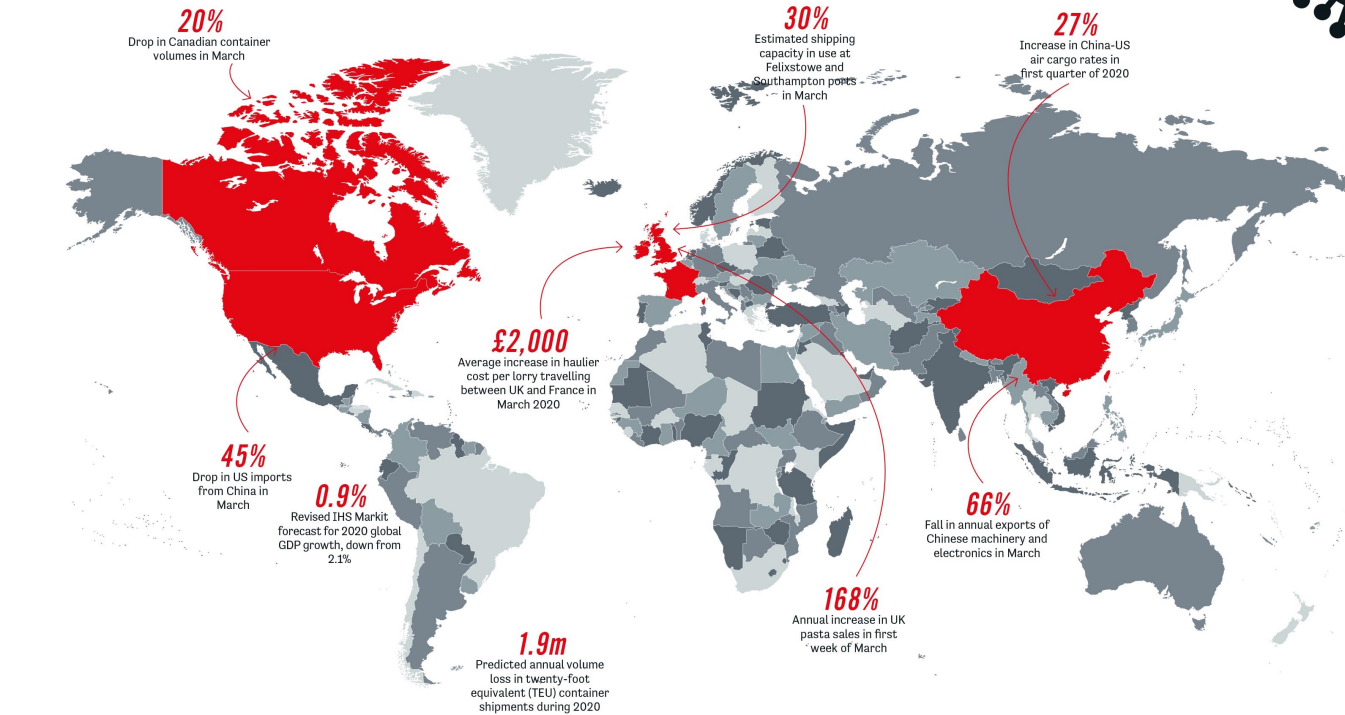


back

# MAJOR GLOBAL TRADE ROUTES

## GLOBAL SHIPPING ROUTES





## ***CORONAVIRUS*** ***IMPACT ON GLOBAL IMPORTS AND EXPORTS***

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**EVER GIVEN  
BLOCKS SUEZ  
CANAL - MARCH  
2021!**



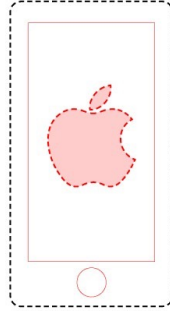
# Typical Laptop Computer

leo Nov 4, 2011 Favorite Share



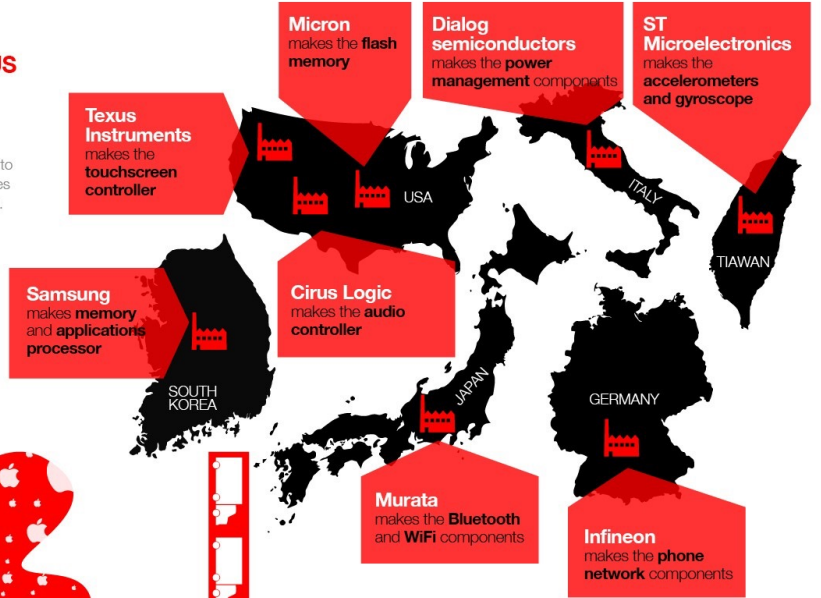
powered by sourcemap  
Data © 2009 Dowling/Map Rendering © 2009 CloudMade

1.2 t CO2e



### California, US

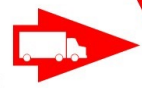
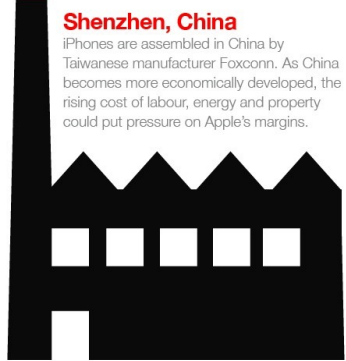
Apple designs the iPhone at its headquarters in California. It sends out orders for parts to dozens of companies all around the globe.



# The iPhone supply chain

find out more at [thegatewayonline.com](http://thegatewayonline.com)

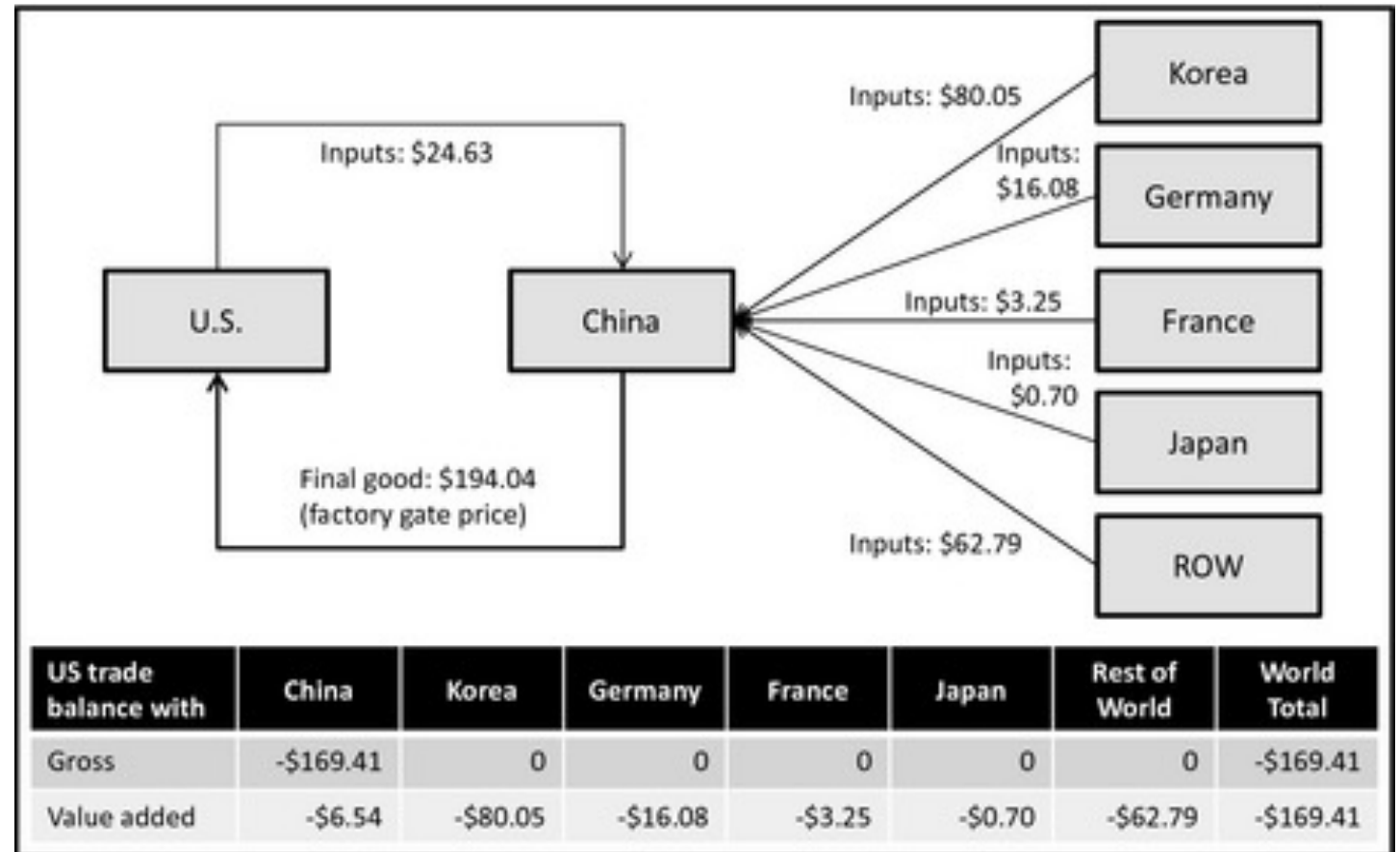
the gateway



Sources: Apple, IHS iSuppli, IDC Worldwide

# WHY THE WORLD SUDDENLY CARES ABOUT GLOBAL SUPPLY CHAINS – IPHONE COST AND \$ FLOWS

Journal of Supply Chain Management  
 Volume 48, Issue 3, pages 24-32, 26 JUL 2012 DOI:  
[10.1111/j.1745-493X.2012.03271.x](http://onlinelibrary.wiley.com/doi/10.1111/j.1745-493X.2012.03271.x)  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1745-493X.2012.03271.x/full#jscm3271-fig-0002>







## Wimbledon's Tennis Ball Production Miles

Total Journey: 50,570 miles



### MATERIALS

**01**

**USA**  
Clay  
8710 miles

**02**

**NEW ZEALAND**  
Wool  
11815 miles

**03**

**UK (STROUD)**  
Felt Weaving  
6720 miles

**04**

**CHINA**  
Petroleum Naphthalene  
2085 miles

**05**

**SOUTH KOREA**  
Sulphur  
1630 miles

**06**

**JAPAN**  
Magnesium Carbonate  
1880 miles

**07**

**GREECE**  
Silica  
5960 miles

**08**

**THAILAND**  
Zinc Oxide  
1335 miles

**09**

**PHILIPPINES (BASILAN)**  
Glue  
560 miles

**10**

**MALAYSIA**  
Rubber  
1505 miles

**11**

**PHILIPPINES (BASILAN)**  
Rubber  
560 miles

### PRODUCTION

**12**

**PHILIPPINES (BATAAN)**

### PACKAGING

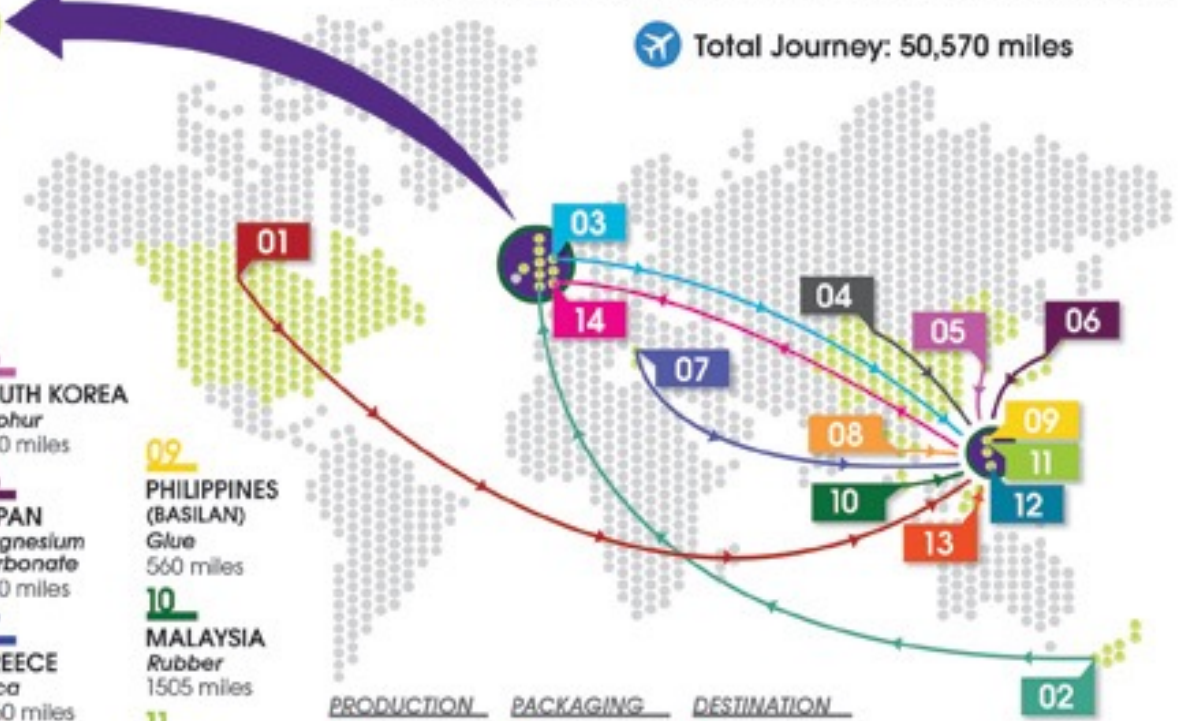
**13**

**INDONESIA**  
Tins  
1710 miles

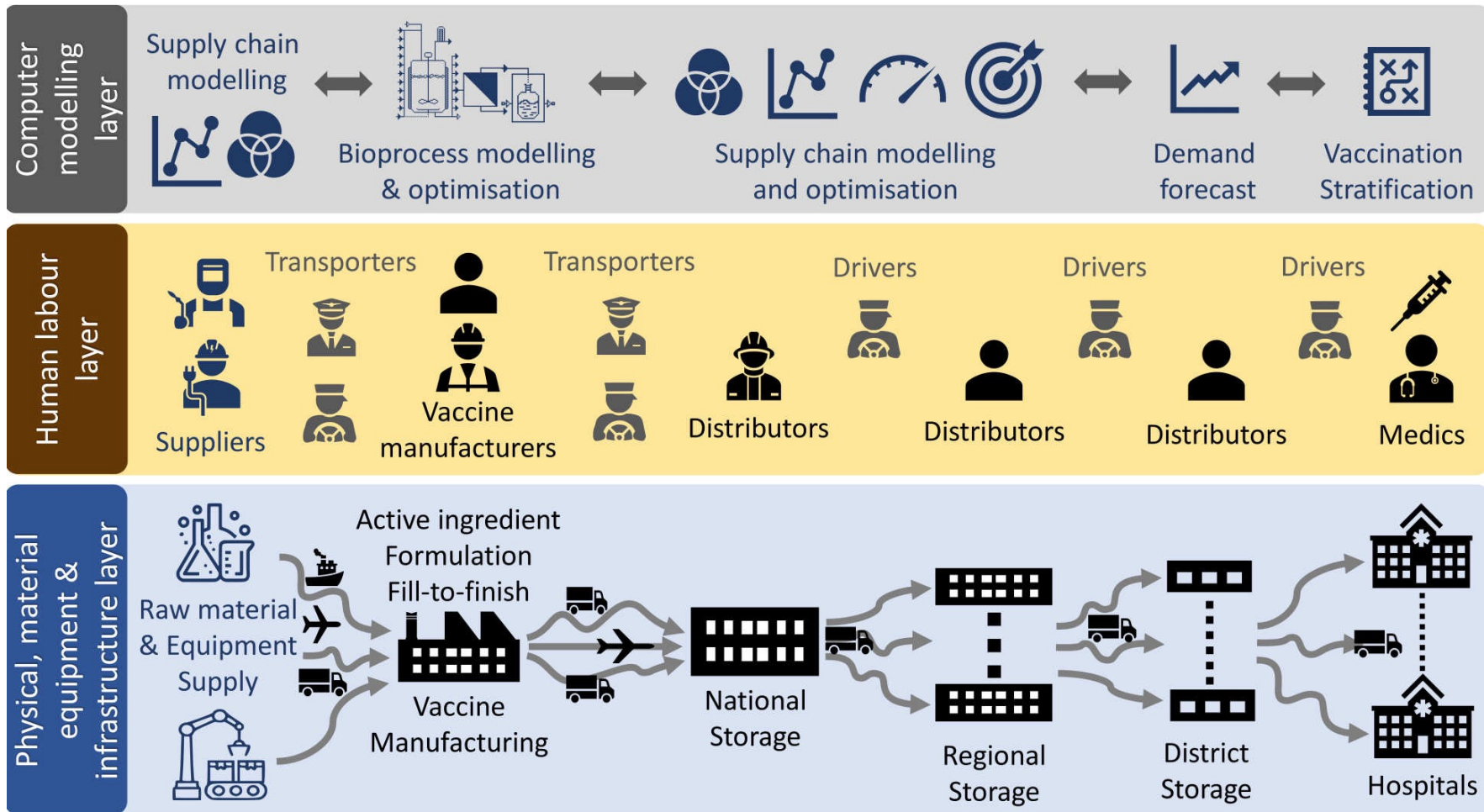
### DESTINATION

**14**

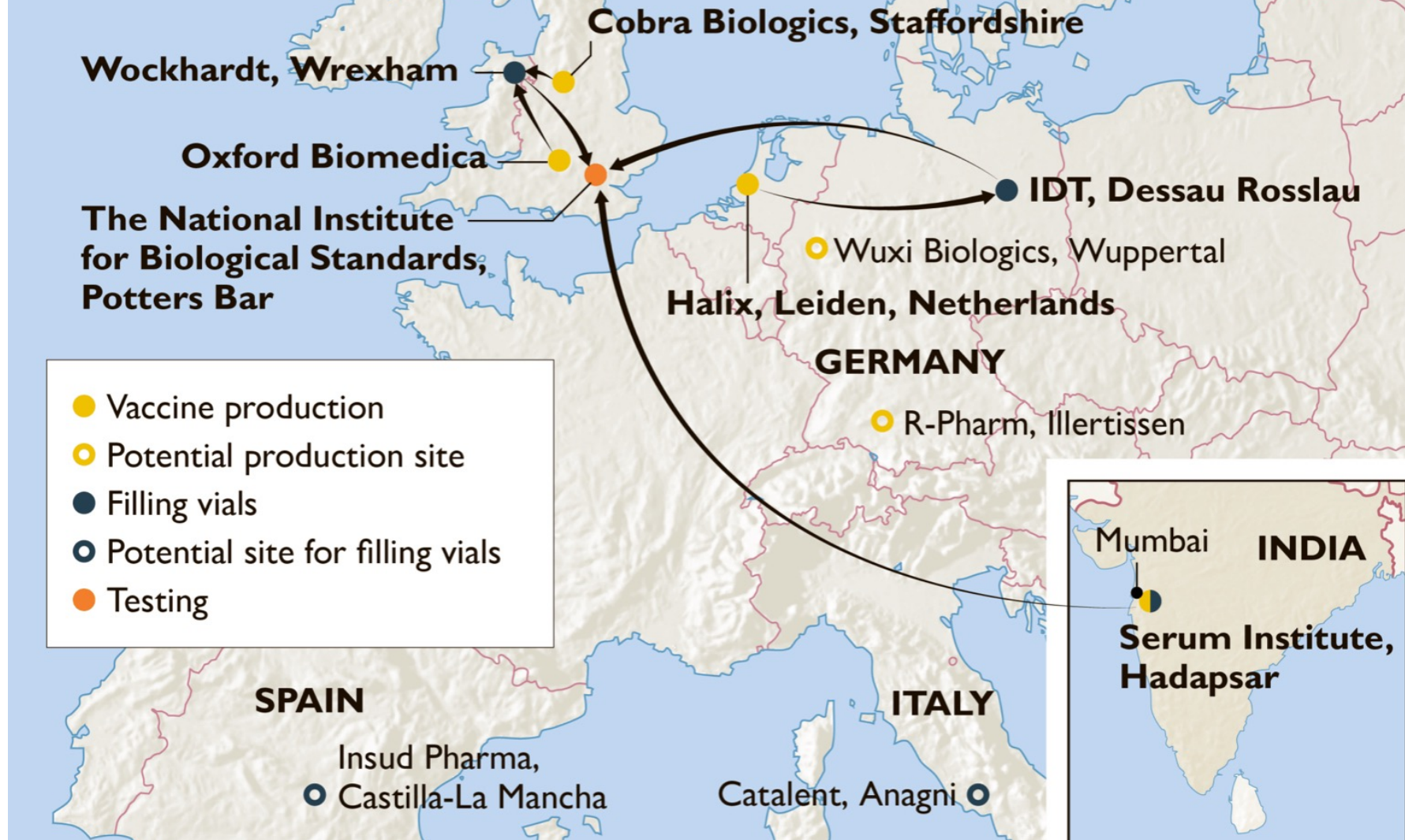
**WIMBLEDON**  
6660 miles



**COVID IS A GLOBAL  
EVENT**



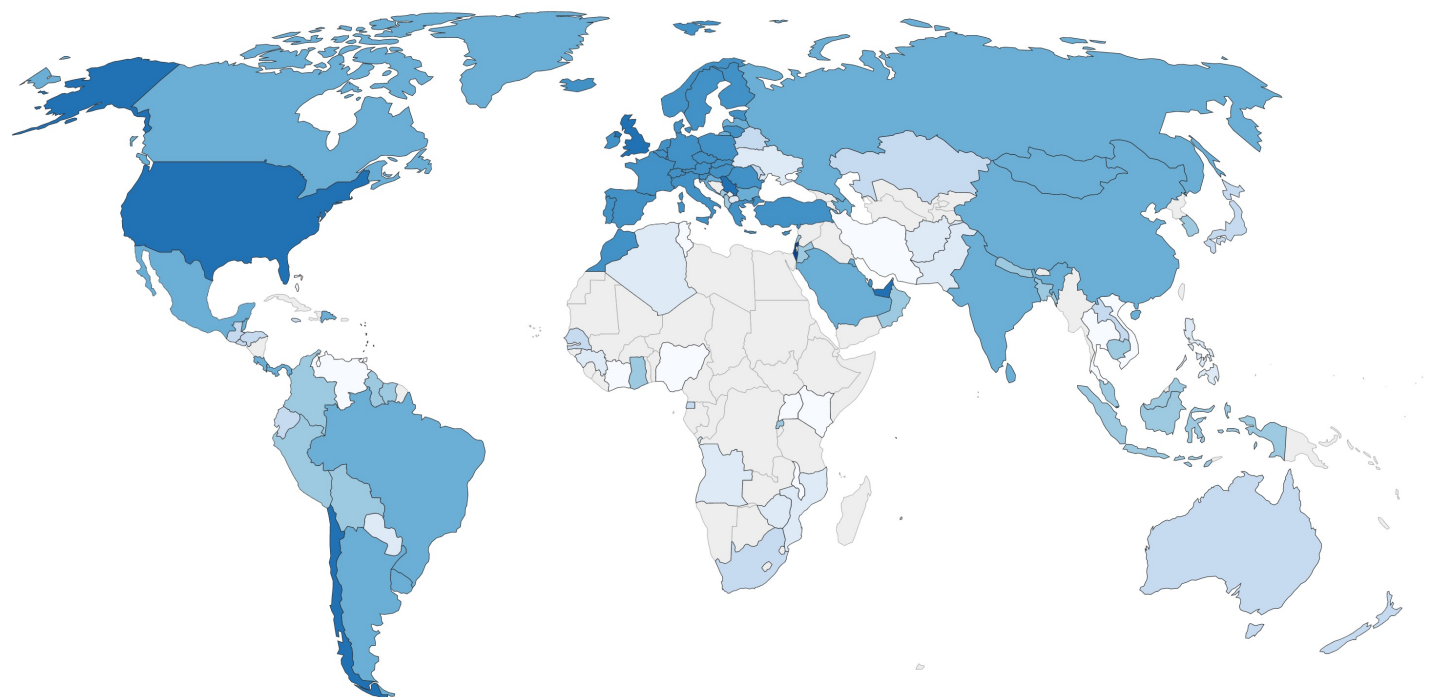
# AstraZeneca supply chain



## COVID-19 vaccine doses administered per 100 people, Mar 19, 2021

Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).

Our World  
in Data



Source: Official data collated by Our World in Data – Last updated 20 March, 08:37 (London time)

OurWorldInData.org/coronavirus • CC BY