

# **Session 2: Global Health**

## **Lessons Learned from the Pandemic**

**39th Annual Conference Programme**

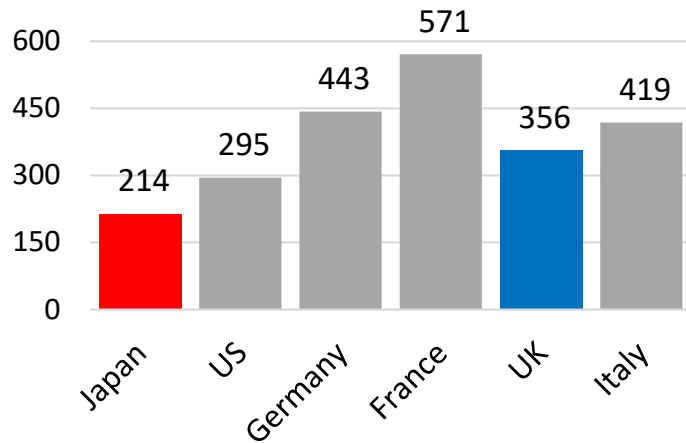
**The UK-Japan 21st Century Group**

**13th January, 2023**

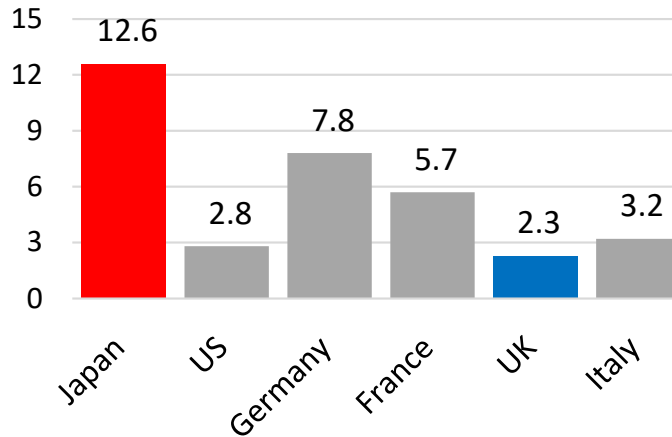
**Yasuhisa Shiozaki**

# COVID-19 and Health Care System

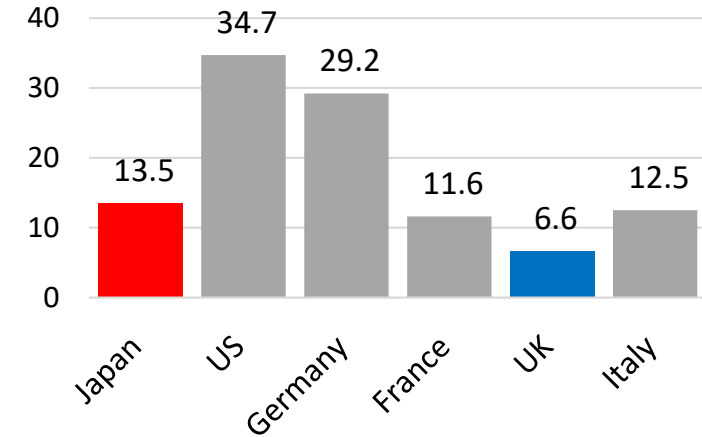
**Cumulative confirmed COVID-19 cases per 1000 (as of Dec 13, 2022)**



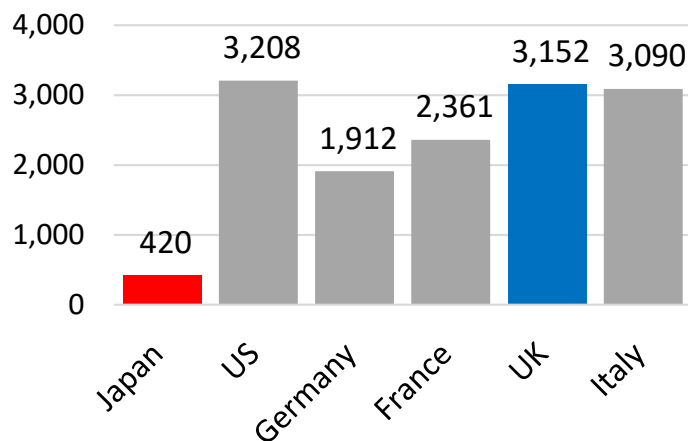
**Hospital beds per 1000 (2021 or latest available)**



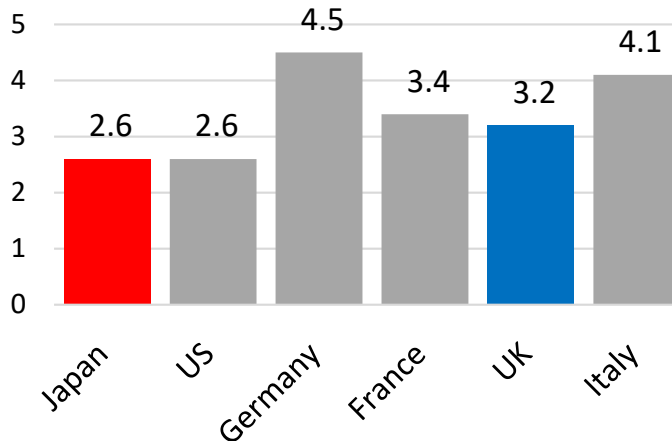
**Intensive care units (ICU) beds per 100,000 (2020 or latest available)**



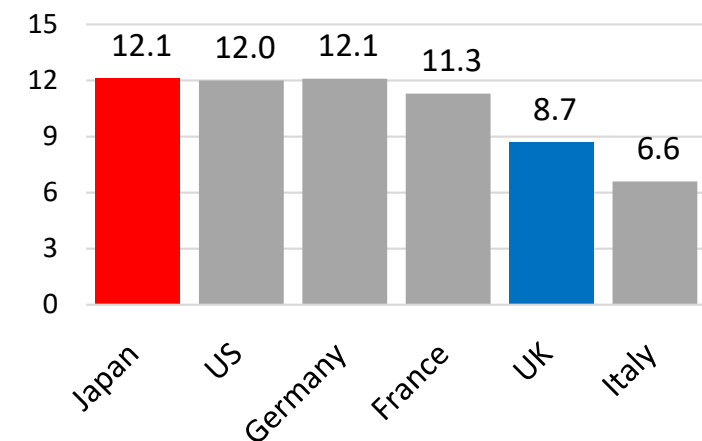
**Cumulative confirmed COVID-19 deaths per million people (as of Dec 13, 2022)**



**Doctors per 1000 (2021 or latest available)**



**Nurses per 1000 (2021 or latest available)**



# Japan's Medical System: Repeatedly Collapsing as COVID-19 Cases Surge



World ► Europe US Americas Asia Australia Middle East Africa Inequality

Japan

● This article is more than 1 year old

## Hospitals overwhelmed as Covid cases surge in Osaka

Beds almost at capacity and an estimated 17,000 people with symptoms waiting for treatment

- [Coronavirus - latest updates](#)
- [See all our coronavirus coverage](#)



May 2021



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## Backstories

## Record COVID cases in Okinawa cause medical emergency

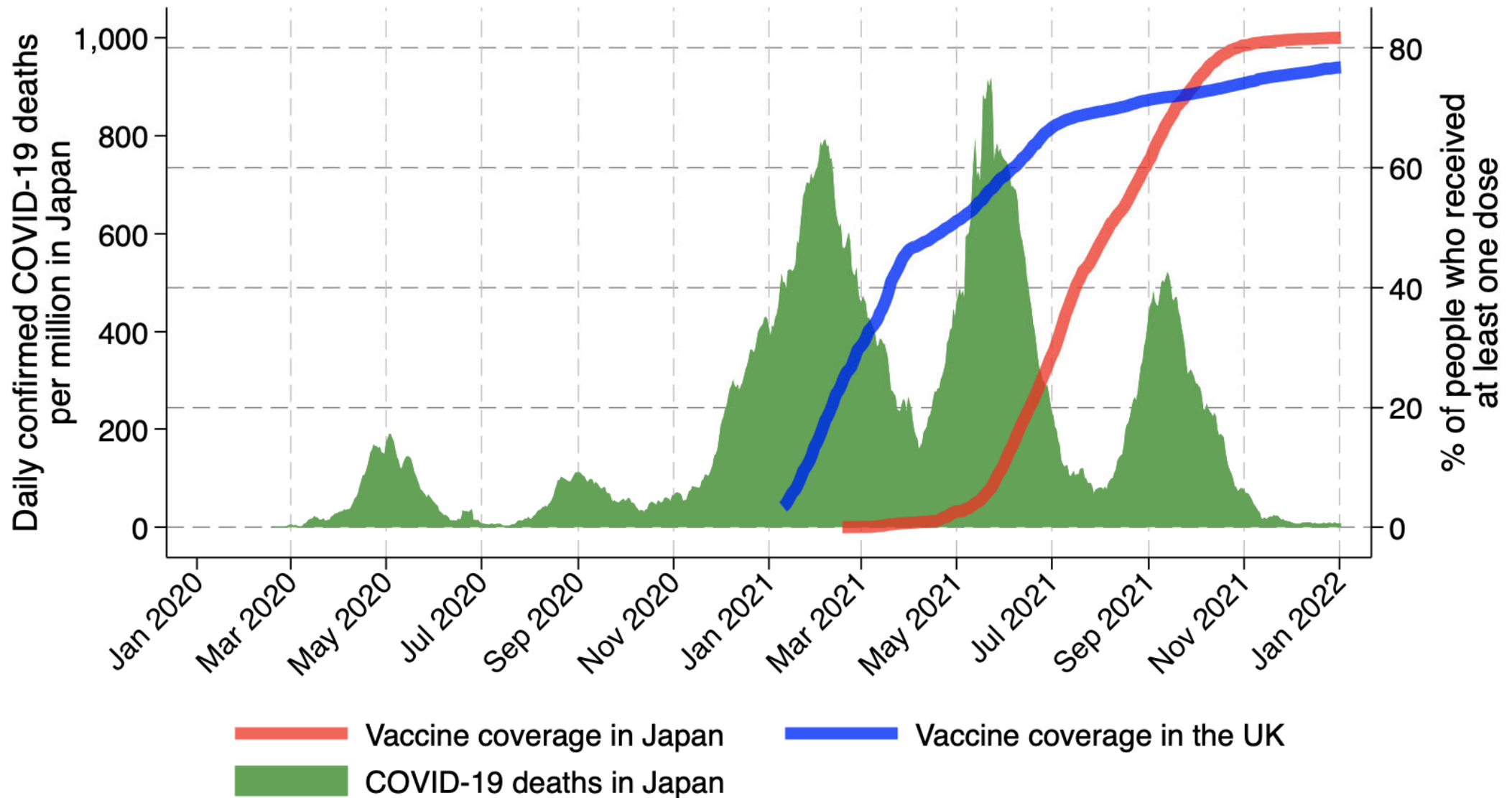
#Coronavirus #Japan #Coronavirus the facts

Tuesday July 26, 2022



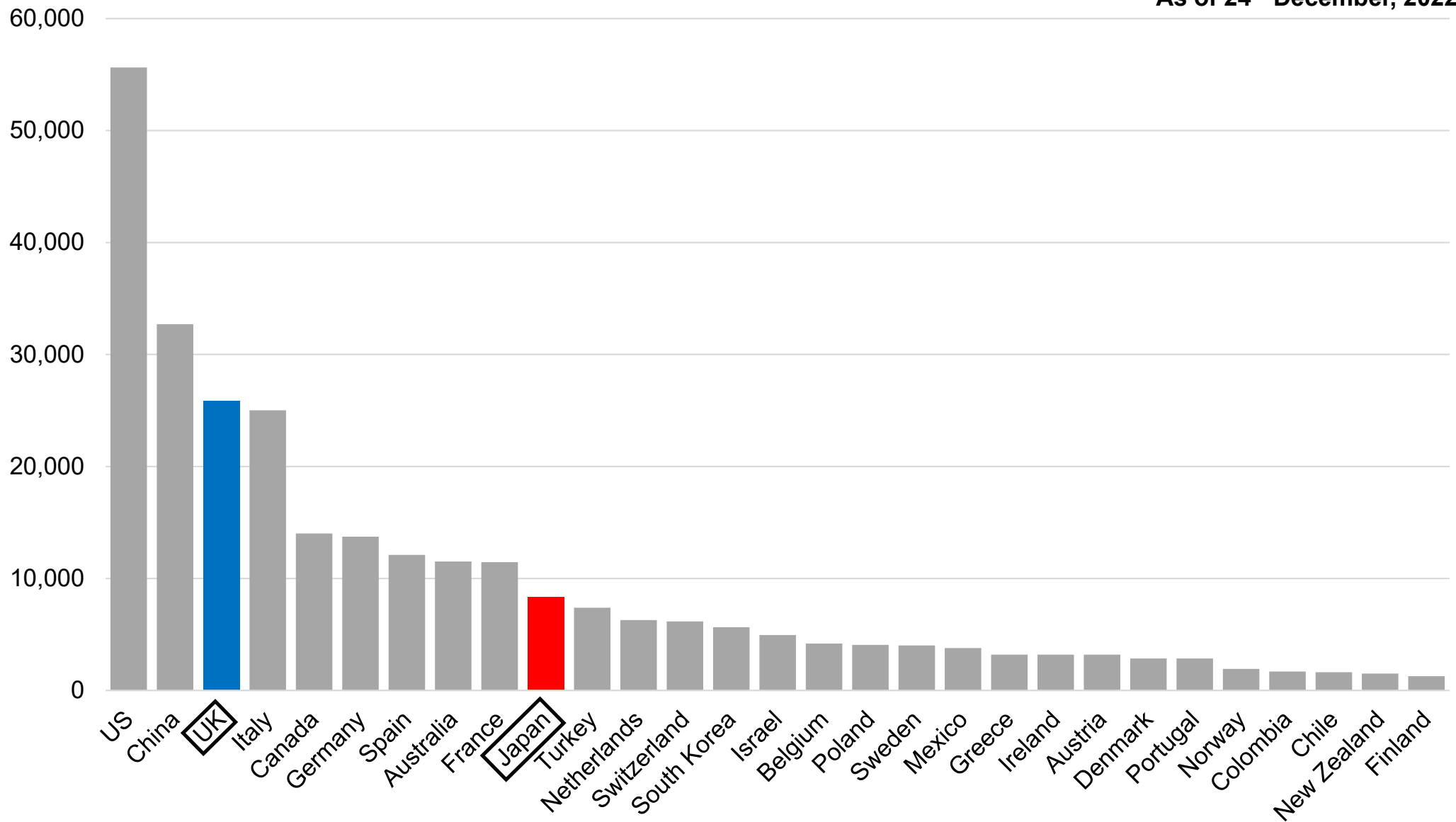
July 2022

# Japan's Initially Slow Vaccine Roll-out



# Total Number of COVID-19 Related Publications

As of 24<sup>th</sup> December, 2022



# World Digital Competitiveness Ranking

2022	2021	Country	2022	2021	Country
1	4	Denmark	16	14	UK
2	1	US	17	15	China
3	3	Sweden	18	16	Austria
4	5	Singapore	19	18	Germany
5	6	Switzerland	20	25	Estonia
6	7	Netherlands	21	21	Iceland
7	11	Finland	22	24	France
8	12	South Korea	23	26	Belgium
9	2	Hong Kong	24	18	Ireland
10	13	Canada	25	30	Lithuania
11	8	Taiwan	26	29	Qatar
12	9	Norway	27	23	New Zealand
13	10	UAE	28	31	Spain
14	20	Australia	29	28	Japan
15	17	Israel	30	22	Luxembourg

# CEPI Investment Overview

Unit: million US\$

## CEPI 1.0 (2017–21) Contributions

	US\$
Norway 	402
Germany 	367
UK 	334
<b>Japan</b> 	221
EC 	199
Total contributions	2,187

EU: European Commission

## CEPI 2.0 (2022–26) Pledges + Contributions

	US\$
Germany 	326
<b>Japan</b> 	300
UK 	233
Norway 	179
US 	150
Total contributions	1,789

Wellcome Trust: 175

Bill & Melinda Gates Foundation: 155

## CEPI 1.0 contributions + CEPI 2.0 Pledges + Contributions

	US\$
Germany 	693
Norway 	580
UK 	567
<b>Japan</b> 	521
EC 	303
Total contributions	3,976

Wellcome Trust: 281

Bill & Melinda Gates Foundation: 275

# Greatest Invention Ranking: Antibiotics' Place in World History

	shareranks.com	famousinventors.org	livescience.com	history.com	theatlantic.com	levotron.com
1	Wheel	Steam engine	Wheel	Printing press	Printing press	Internet
2	Electricity	Whee	Nail	Compass	Electricity	Computer
3	Language	Printing press	Compass	Paper currency	Penicillin	Light bulb
4	Printing press	Computer	Printing Press	Steel	Semiconductor electronics	Communications
5	Computer	Internet	Internal combustion engine	Electric light	Optical lenses	Printing press
6	Internet	World wide web	Telephone	Domestication of horse	Paper	Wheel
7	Antibiotics	Television	Light bulb	transistor	Internal combustion engine	Compass
8	Telephone	Light bulb	Penicillin	Magnifying lenses	Vaccine	Photography
9	Toilet	Penicillin	Contraceptives	Telegraph	Internet	Penicillin
10	Transistor	Telephone	Internet	Antibiotics	Steam engine	Plough

**However...**

***The Drugs Don't Work: A Global Threat - Dame Sally Davies et al. (2013)***

**“We are in danger of going back to the dark ages of medicine” - Former PM David Cameron (2014)**