COVID-19 in Europe: an overview

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Global Virtual Conference
The Epidemiology and Economics of Coronavirus

SDSN, March 30, 2020
Evolution of the 2019-nCoV outbreak (31 December 2019 – 10 February 2020)

Dec 31, 2019
Cluster of 77 pneumonia cases of unknown origin with 7 severe cases reported to China National Health Commission

Jan 7, 2020
Novel coronavirus isolated

Jan 8, 2020
First confirmed case in Thailand

Jan 11, 2020
First fatal case in China

Jan 12, 2020
Named as 2019-nCoV; whole genome sequence shared with WHO

Jan 13, 2020
First confirmed case in Nepal

Jan 14, 2020
First confirmed case in Japan

Jan 17, 2020
Transmission from human to human

Jan 19, 2020
First confirmed case in Republic of Korea

Jan 20, 2020
Infection in healthcare workers caring for 2019-nCoV patients

Jan 22-23, 2020
1st Emergency Committee

Jan 23, 2020
First confirmed case in Singapore

Jan 24, 2020
First confirmed cases in France and Viet Nam

Jan 25, 2020
First confirmed cases in Australia and Malaysia

Jan 26, 2020
First confirmed case in Canada

Jan 27, 2020
First confirmed cases in Cambodia and Sri Lanka

Jan 28, 2020
First confirmed case in Germany

Jan 29, 2020
First confirmed cases in UAE, Finland and Italy

Jan 30, 2020
2nd Emergency Committee – WHO declares a PHEIC

Feb 1, 2020
Index case on Princess Diadem cruise ship confirmed in Hong Kong SAR

Feb 2, 2020
First fatal case outside China

Feb 5, 2020
Press Release by Japanese government about 10 cases on cruise ship

Feb 4, 2020
First confirmed case in Belgium

WHO Director General in China

World Health Organization

Health Emergencies Programme
Europe accounts for more than 50% of new cases in the last week.
Cumulative number of coronavirus (COVID-19) cases in Europe between January 25 and March 28, 2020

Total worldwide: 665,985 cases

Figure 1. COVID-19 cumulative incidence rate diffusion in Europe on 12 March (A) and 23 March (B)

COVID-19 14-day change in the 14-day cumulative number of cases (B) by country from 12 to 23 March
Country by country: how coronavirus case trajectories compare

Cumulative number of confirmed cases, by number of days since 100th case

FT graphic: John Burn-Murdoch / @jburnmurdoch
Source: FT analysis of Johns Hopkins University, CSSE; Worldometers; FT research. Data updated March 28, 19:00 GMT © FT
Coronavirus deaths in Italy, Spain, the UK and US are increasing more rapidly than they did in China

Cumulative number of deaths, by number of days since 10th death

Nationwide lockdowns: ⭐

DEATHS DOUBLE EVERY DAY

ITALY LOCKED DOWN AFTER 800 DEATHS

SPAIN & FRANCE LOCKED DOWN AFTER AROUND 200 DEATHS

CHINA BEGAN ITS LOCKDOWNS AFTER AROUND 30 DEATHS

BELGIUM AND INDIA LOCKED DOWN EARLY

NUMBER OF DAYS SINCE 10TH DEATH

China had 2,715 deaths at 35 days

S Korea had 2,715 deaths at 35 days

Germany's lockdown after around 200 deaths

Belgium's lockdown after around 200 deaths

Spain's lockdown after around 200 deaths

France's lockdown after around 200 deaths

UK's lockdown after around 200 deaths

US's lockdown after around 200 deaths

Iran's lockdown after around 200 deaths

China's lockdown after around 200 deaths

FT graphic: John Burn-Murdoch / @jburnmurdoch
Source: FT analysis of Johns Hopkins University, CSSE; Worldometers; FT research. Data updated March 28, 19:00 GMT
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New York, Catalonia and Madrid could pass Lombardia as the worst affected subnational regions

Cumulative number of deaths, by number of days since 10th death

Showing US states and selected subnational regions in Italy, Spain, China, France, S Korea and UK

FT graphic: John Burn-Murdoch / @jburnmurdoch

Sources: NHS; Covid Tracking Project; Providencialdata19; Santé Publique France; Berliner Morgenpost; OpenZH; Stockholm University; Leuven University. Data updated March 28, 19:00 GMT

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Figure 3. Age-specific hospitalisation rates among all cases, data from 14 countries in TESSy with >50% completeness for hospitalisation and >50 cases, 24 March 2020

Figure 4. Age-specific crude case-fatality (deaths/all cases) in Germany (TESSy data up to 24 March 2020), Italy (country report with data up to 19 March 2020) and Spain (country report with data up to 22 March 2020)

[Graph showing age-specific case-fatality rates for Germany, Italy, and Spain]

COVID-19 data as of 20 March: Tests conducted vs. Total confirmed cases per million people

Data collected by Our World in Data from official country reports. For some countries the number of tests corresponds to the number of individuals who have been tested, rather than the number of samples.

Source: Our World in Data based on official sources
Note: Data for the US corresponds to estimates from the COVID-Tracking Project

https://ourworldindata.org/covid-testing
percentage of symptomatic COVID-19 cases reported in different countries using case fatality ratio estimates
## Intervention measures by type and timing for European countries with more cases

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>State of emergency</th>
<th>Lockdown</th>
<th>Border closure</th>
<th>Closure of non essential shops</th>
<th>School/university closure</th>
<th>Closure of restaurant &amp; leisure activities</th>
<th>Restrictions in public gatherings</th>
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<td>March 4</td>
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<td>Partial</td>
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<td>March 14</td>
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<td>Partial</td>
<td>March 17 (*)</td>
<td>March 16-18 (*)</td>
<td>March 17 (*)</td>
<td>March 17 (*)</td>
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<tr>
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<td>March 21</td>
<td>Pre-total</td>
<td>Partial</td>
<td>March 14</td>
<td>March 16</td>
<td>March 14</td>
<td>March 4-9</td>
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<tr>
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<td>Pre-total</td>
<td>Partial</td>
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<td>March 15</td>
<td>March 12-23</td>
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<tr>
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<tr>
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<td>March 16</td>
<td>March 19</td>
<td>March 12</td>
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[https://www.cidob.org/ca/content/view/full/71773](https://www.cidob.org/ca/content/view/full/71773) updated March 29
Thank you.