

To: (10)(2e) (10)(2e) (10)(2e) @rivm.nl]
From: (10)(2e) (10)(2e)
Sent: Mon 4/20/2020 2:56:47 PM
Subject: FW: Updates to IHME Covid-19 Hospital Resource Projections for the EU/EEA/UK
Received: Mon 4/20/2020 2:56:48 PM

Ha (10)(2e) wil jij even kijken of dit door moet naar (10)(2e) en (10)(2e)?
 (10)(2e)

From: (10)(2e) (10)(2e) @rivm.nl>
Sent: maandag 20 april 2020 14:41
To: (10)(2e) (10)(2e) <(10)(2e) @rivm.nl>
Subject: FW: Updates to IHME Covid-19 Hospital Resource Projections for the EU/EEA/UK

Ha (10)(2e)
 Onderstaande mail kwam bij ons (wel) binnen, ik zie dat het e-mail adres van (10)(2e) en (10)(2e) fout gespeld zijn.
 Groet (10)(2e)

From: (10)(2e) (10)(2e) <(10)(2e) @uw.edu>
Sent: woensdag 15 april 2020 05:48
To: (10)(2e) @rivm.nl; (10)(2e) <(10)(2e) @rivm.nl>; (10)(2e) (10)(2e) (10)(2e) <(10)(2e) @rivm.nl>;
 (10)(2e) @rivm.nl; (10)(2e) <(10)(2e) @rivm.nl>
Cc: (10)(2e) (10)(2e) <(10)(2e) @uw.edu>
Subject: Updates to IHME Covid-19 Hospital Resource Projections for the EU/EEA/UK

Dear (10)(2e) and colleagues,

I would like to inform you of the latest updates to the projections on **Covid-19 hospital resource utilization and capacity for the UK and EU/EEA member countries**, developed by the Institute for Health Metrics and Evaluation (IHME) at the University of Washington in Seattle, USA. Since the initial release of the projections last week (*as per the email below*), our Covid-19 Modeling and Production Team has worked to add additional data and information, which are reflected in the updated projections.

As we get more data and relevant updates on expanded hospital resource capacity and utilization, changes in social distancing measures, resource gaps and government response to the Covid-19 pandemic we are able to refine our methods and the estimation process. In the latest update, published on Monday (April 13th), cumulative projections for hospital resource use and deaths have changed for several countries since our April 7 release.

Given your critical involvement in the response and planning for the Covid-19 pandemic in The Netherlands, I would also like to draw your attention to the hospital resource utilization and capacity projections for your country. Our estimates are available online at <https://covid19.healthdata.org/netherlands>. You can see specifics about the updates in more detail on our [website](#), where you can also find out more about the methods used to create our projections.

We hope that you will find this useful as you continue your work fighting the Covid-19 pandemic in your country. Please note that moving forward, we will be updating the projections three times a week, to ensure the timely application of the tool as well as to reflect the most up-to-date data.

If you have any questions or feedback regarding our estimates, please let us know.
 Thank you in advance for your time and attention.

Kind regards,

(10)(2e) (10)(2e), Engagement Officer
 Institute for Health Metrics and Evaluation | University of Washington

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Date: Tuesday, April 7, 8:41 AM PT
Subject: IHME COVID-19 European projections released

Dear Colleague,

We are contacting you to share newly released projections for COVID-19 hospital resource utilization for the UK/EU/EEA countries, developed by the Institute for Health Metrics and Evaluation at the University of Washington, producer of the Global Burden of Disease Study.

The analysis, released today, shows that European nations will reach a peak daily death rate during the third week of April with the pandemic spreading from Southern Europe. We estimate that 151,680 Europeans might die in the 'first wave' of the pandemic, even assuming strong continued adherence to social distancing measures. The death toll is compounded by demand for hospital resources well in excess of what is available. For example, in the UK peak demand is expected to total 102,794 hospital beds needed compared to 17,765 available, 24,544 ICU beds compared to 744 ICU beds available, and 20,862 ventilators needed (with data currently unavailable on ventilators available).

- **Planning tool:** These projections are from a hospital planning tool, initially developed for our local hospital system in the United States and now expanded to Europe. The tool is available online at <https://covid19.healthdata.org/>.
- **Regularly updated:** The tool is designed to assist with practical planning for the coming surge of COVID-19 cases, and will be updated regularly so that the estimates can be used in real time and reflect the most up-to-date data.
- **Country by Country forecasts:** You can find the estimates for your country in the [tool](#), as well as links to download the results and learn more about the [project](#) and the [research](#). Additionally, estimates are also available at the provincial or regional level for countries where data was available, starting with Italy, Spain, and Germany.
- **Underlying Data:** The tool uses an extensive range of data sources, including data from the outbreaks in Italy and Spain, as well as from local governments, national governments, and the World Health Organization.

The forecasts show that, even assuming strong continued adherence to social distancing measures, hospital capacities in many countries will be overwhelmed. And, while most regions of Italy and Spain have passed their peaks in the number of deaths, other nations are still approaching their peaks in the coming weeks.

Thank you for your attention to these findings, we hope that they are useful to you. Should you have any questions or feedback, please do not hesitate to contact us at [\(10\)\(2e\)@healthdata.org](mailto:(10)(2e)@healthdata.org) and we will reply as soon as possible.

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