A stylized sun graphic on the left side of the slide. It consists of a solid yellow circle at the bottom left, with several yellow dashed lines of varying lengths radiating upwards and to the right, suggesting rays of light. The background is a solid orange color.

The COVID-19 pandemic and the Icelandic experience so far

Prof. Reynir Arngrímsson

President of the Icelandic Medical Association

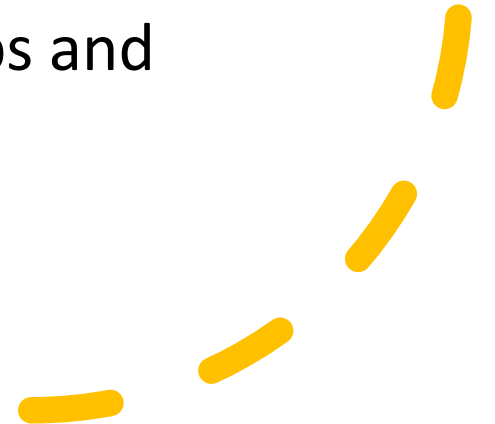
April 2nd, 2020

The objective of pandemic preparedness

- To prevent the pandemic reaching the country if possible.
- To reduce its domestic spread to the extent possible.
- To administer medical treatment and care to patients.
- To protect the people involved in the diagnosis, treatment, and care of patients.
- To protect social infrastructures and people responsible for indispensable services in the country.

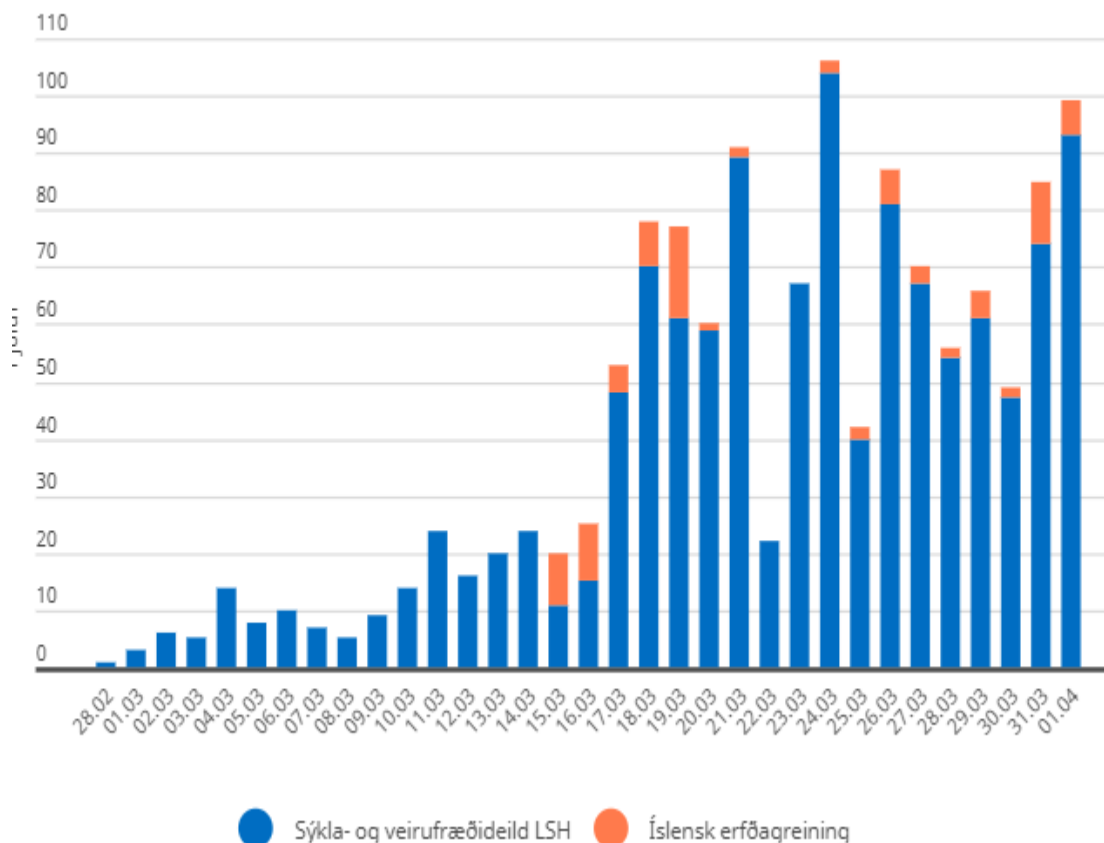
Experience and strategy

- Strong Civil Protection and Emergency Management due to volatile nature
 - Weather, Volcanic activity, Earthquakes, Epidemics
- Testing – Quarantine - Social distancing – Suppression
- Clinical testing (symptomatic and healthcare workers)
- Epidemiology in practice - the deCODE approach (random sample testing)
- Prediction model updated daily
- Economical measures to secure jobs and companies
- Strong public and media relation



COVID-19 statistic – Iceland (02.04.2020)

Number of COVID positives



Ref: www.covid.is

	Number	%
Tests	20.930	5,7% of population
In Quarantine	7.166	2,0%
Completed Quarantine	8.945	2,5%
Positive covid-19	1.319	6,3% of tested
In hospital	43	3,2%
ICU	12	1%
Deaths	4	

Landspítali and deCode samples (02.04.2020)

	Landspítali (clinical indication)	DeCode population sample
Number of positive tests	1.229	90
Number tested	9.671	11.218
% COVID-19 positive	12,7%	0,8%

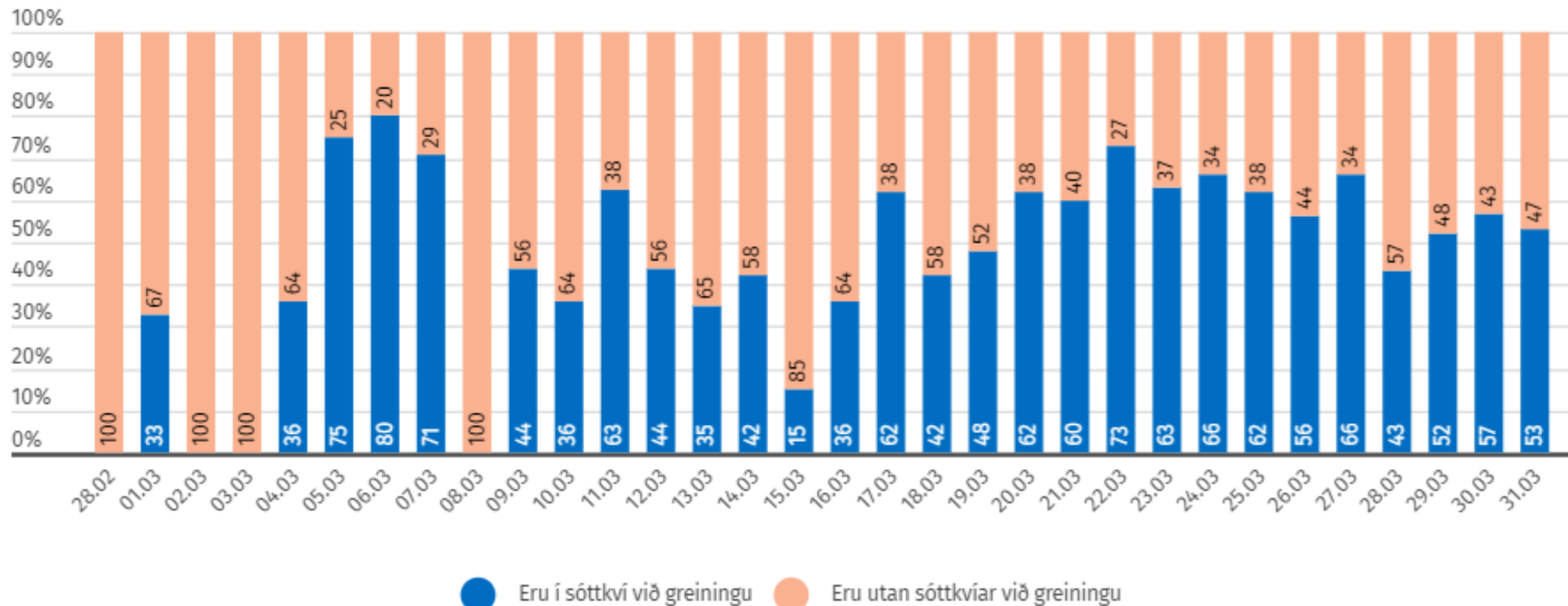
Diagnosed in Quarantine – 54% (more than half been isolated before symptoms appear)

Hlutfall smitaðra sem greinast í sóttkví



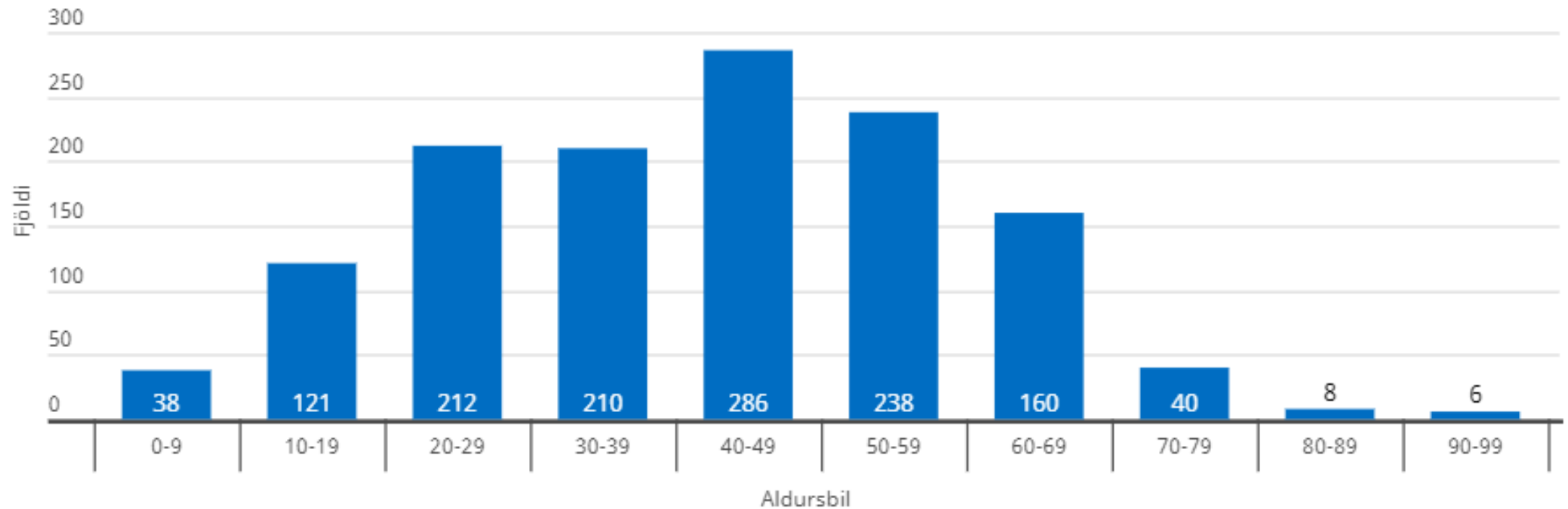
54%

þeirra sem hafa greinst voru í sóttkví



COVID-19 statistic – age distribution (range 3 months – 96 years)

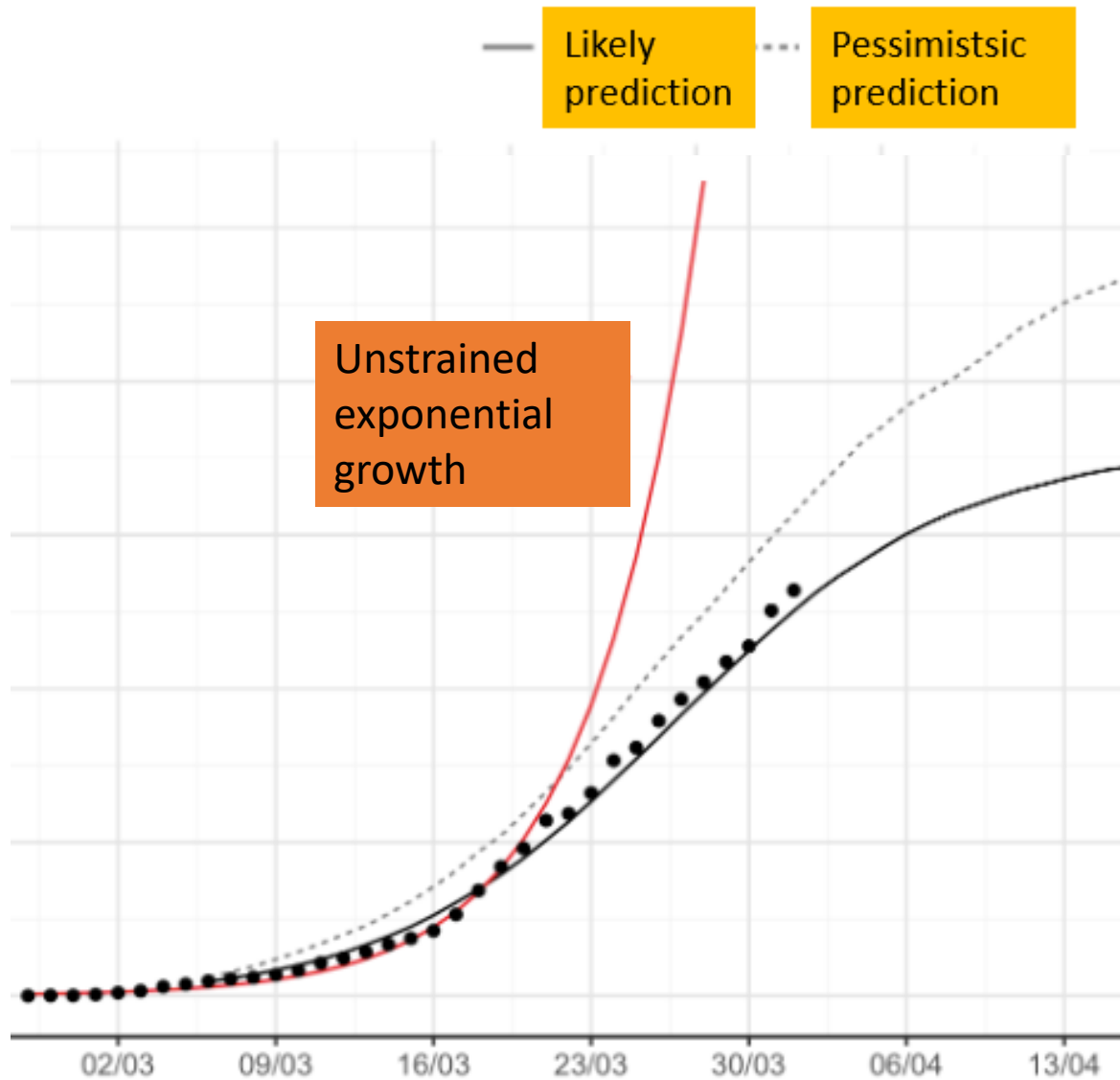
Fjöldi smita eftir aldri



COVID-19 in Iceland Prediction model (covid.hi.is)

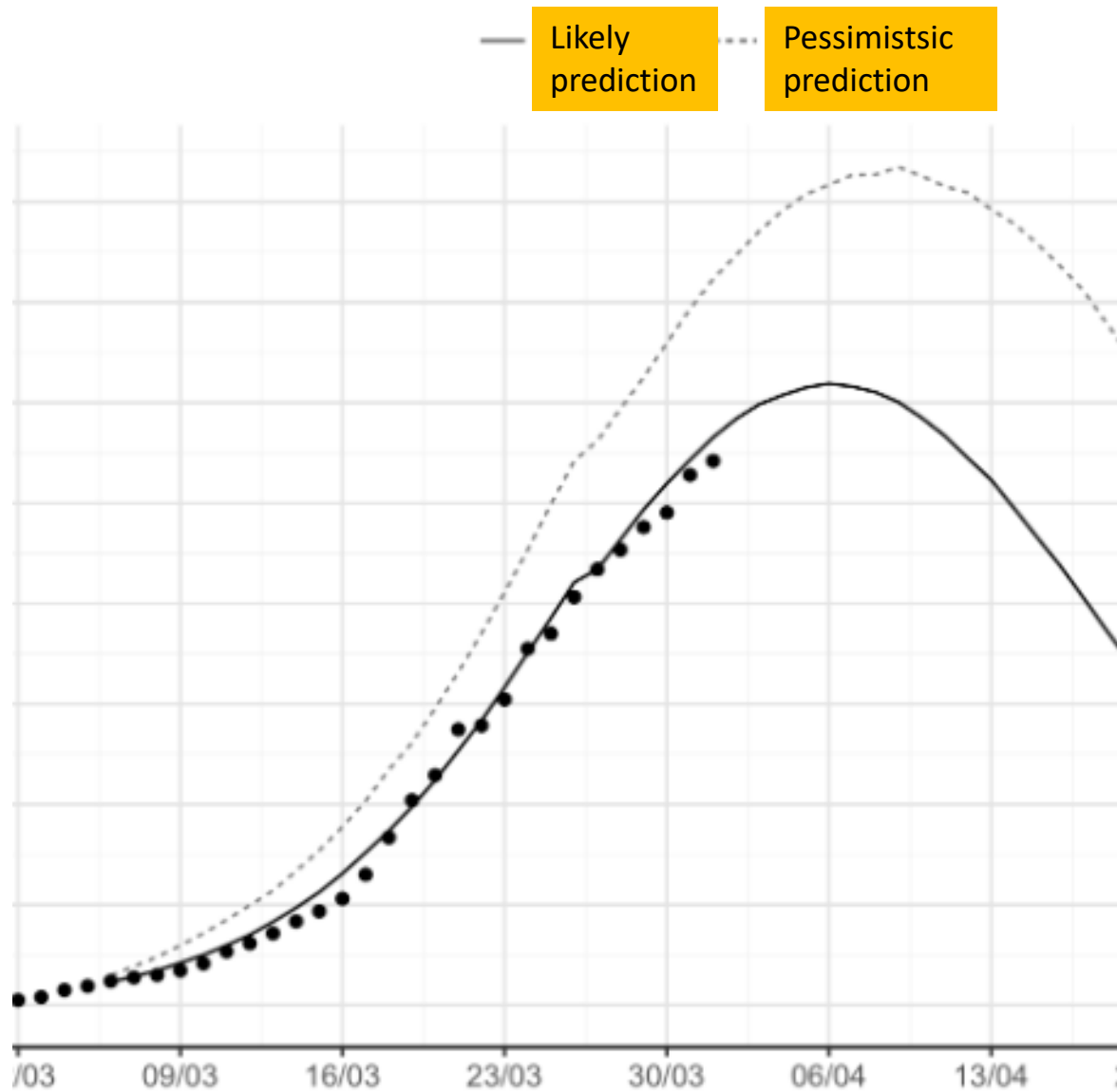
Detailed information on
the prediction model
can be obtained at
www.covid.hi.is

Data retrieved
02.04.2020



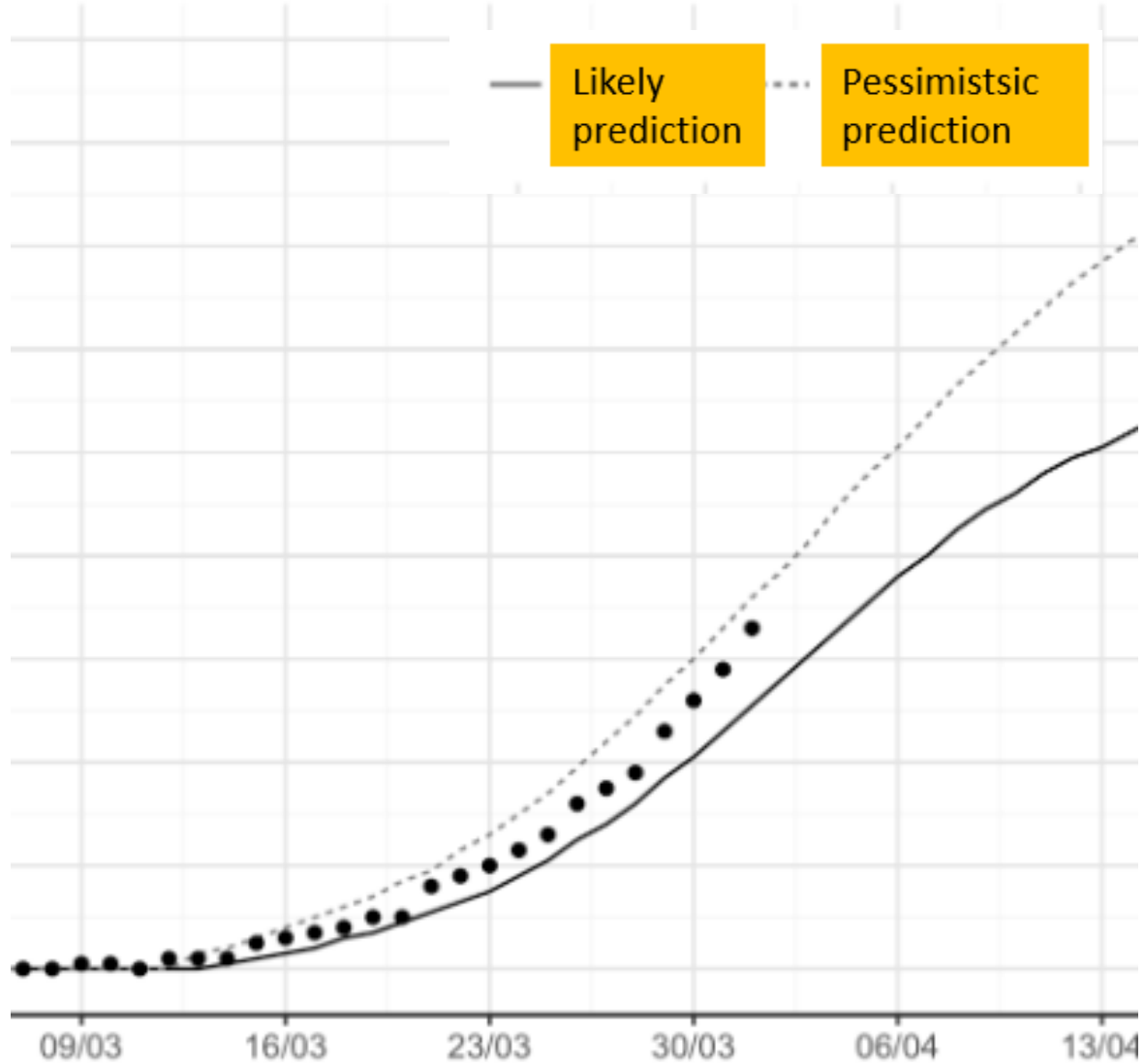
Cumulative confirmed infections in total (covid.hi.is) indicates that the strategy applied in the population is working with flattening of the curve and avoiding exponential spread of infection





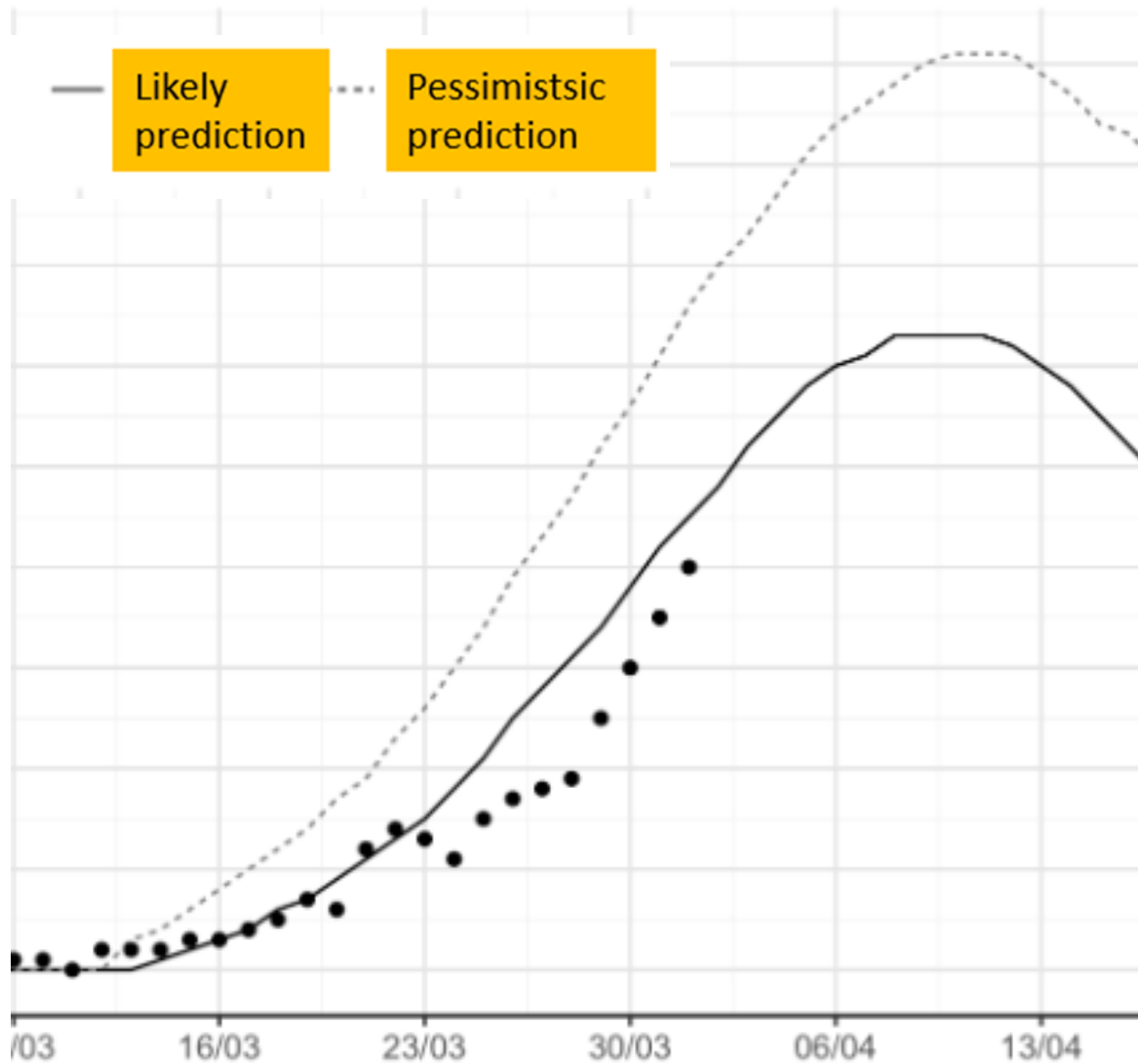
Active cases
each day
(covid.hi.is)





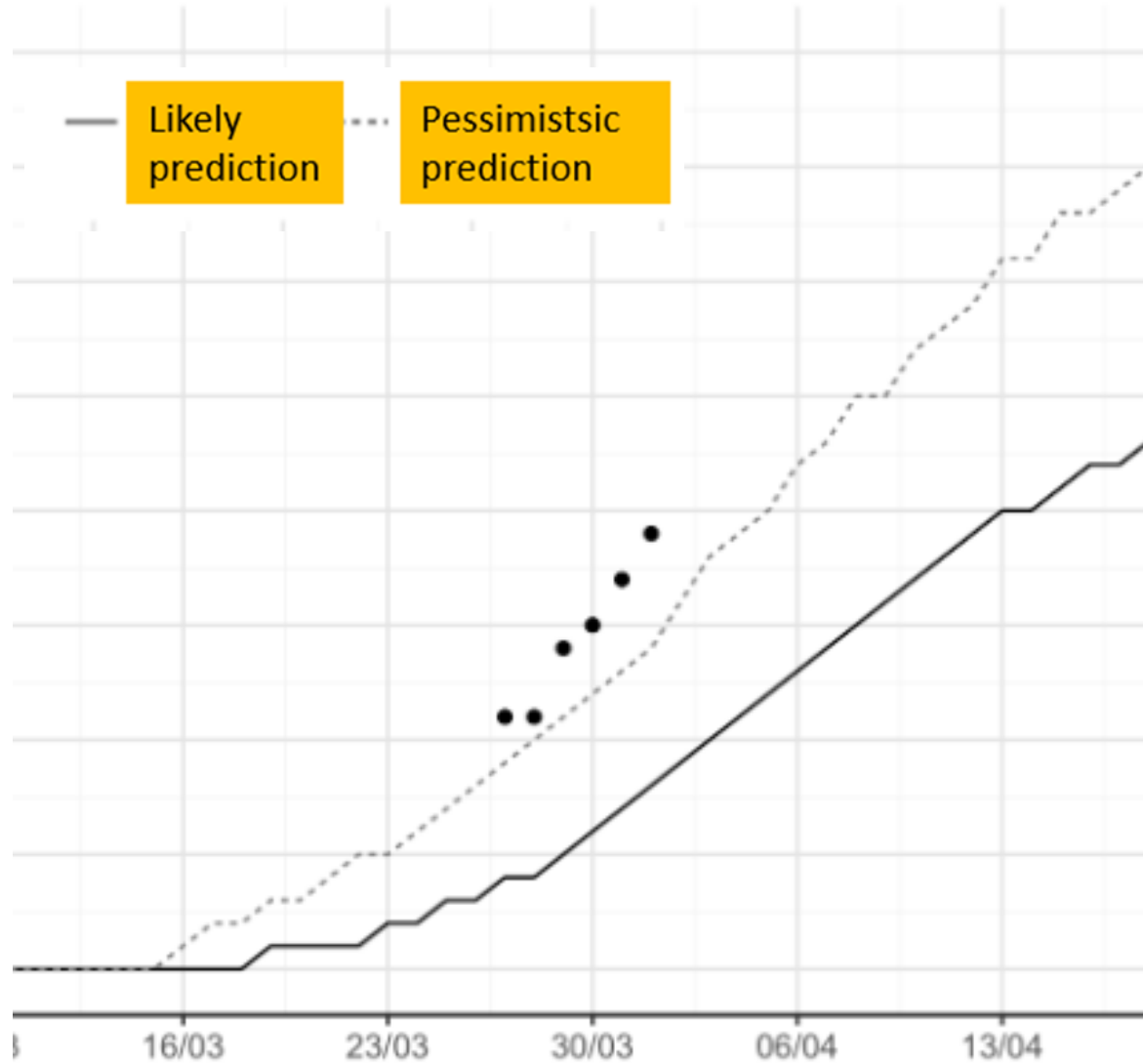
Cumulative total hospitalizations (covid.hi.is)





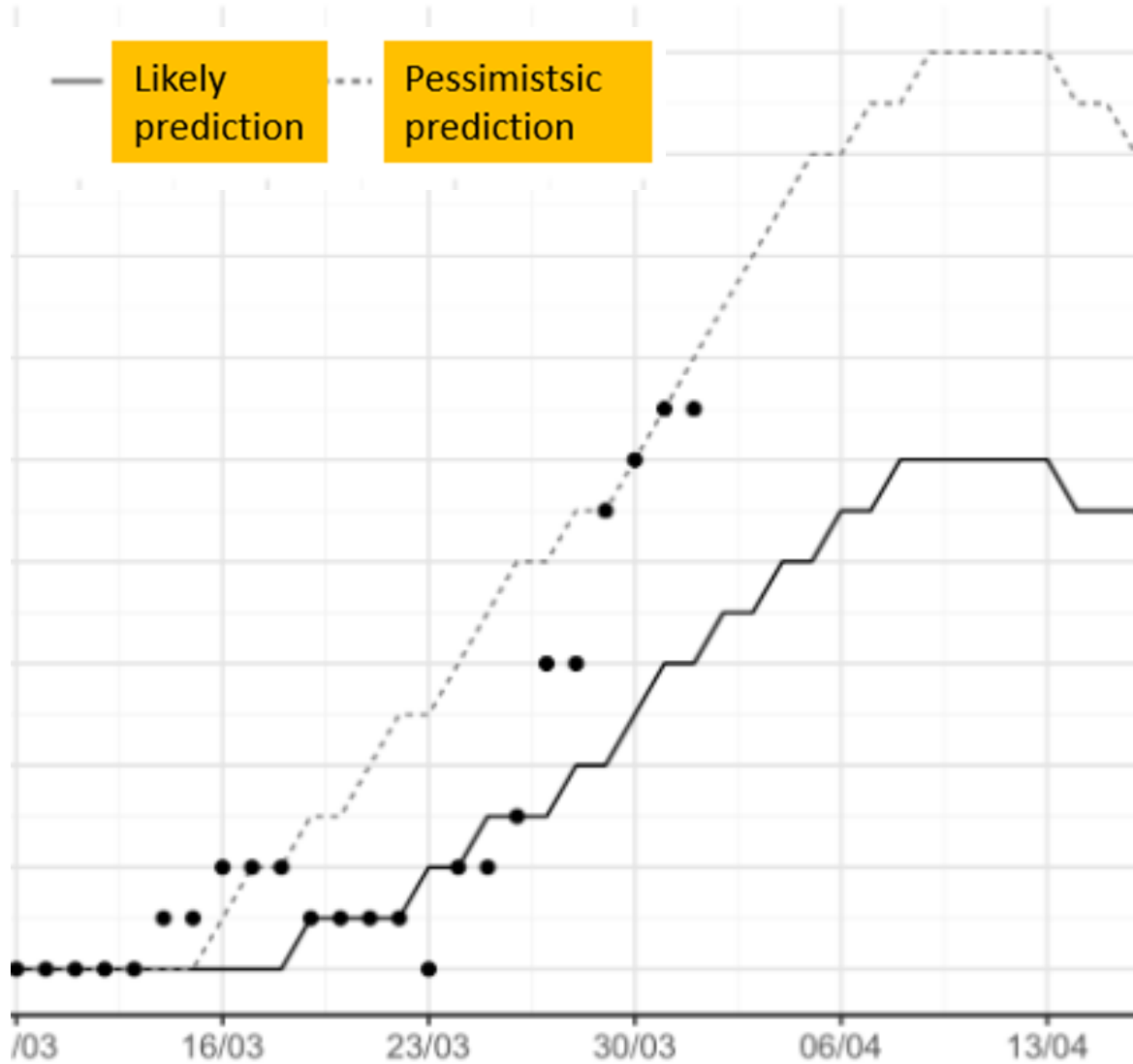
Hospitalization
each day (total)
(covid.hi.is)





ICU- cumulative admittance indicates the most pessimistic prediction which puts strain on the weakest part of the health system





Total number of individuals in ICU each day (covid.hi.is)



Main predictions with data through April 2nd 2020

- It is expected that throughout the epidemic, about 1800 individuals in Iceland will have been diagnosed with COVID-19, but the number could reach as high as 2500 individuals, according to the pessimistic forecast.
- It is expected that the number of diagnosed individuals with an active disease will peak in the first week of April and will at that time probably be about 1200, but could be as many as 1700 individuals according to the pessimistic forecast.

• (covid.hi.is)

Main prediction (cont.)

- The greatest burden on health care services due to hospital admissions will be around mid-April. At that time it is expected that around 60 individuals will be hospitalized but the pessimistic forecast predicts 90 individuals.
- It is expected that during the epidemic, approximately 26 individuals will become seriously ill (i.e. hospitalized in intensive care units), but this number might turn out to be as high as 40, according to the pessimistic forecast.

• (covid.hi.is)