

Power and Peril

How Information and Informatics
are Shaping Pandemic Response

Jennifer Zelmer (@jenzelmer)

Virtually CAHSPR, May 27, 2020

(Everything you
need to know,
Florence
Nightingale
knew first)

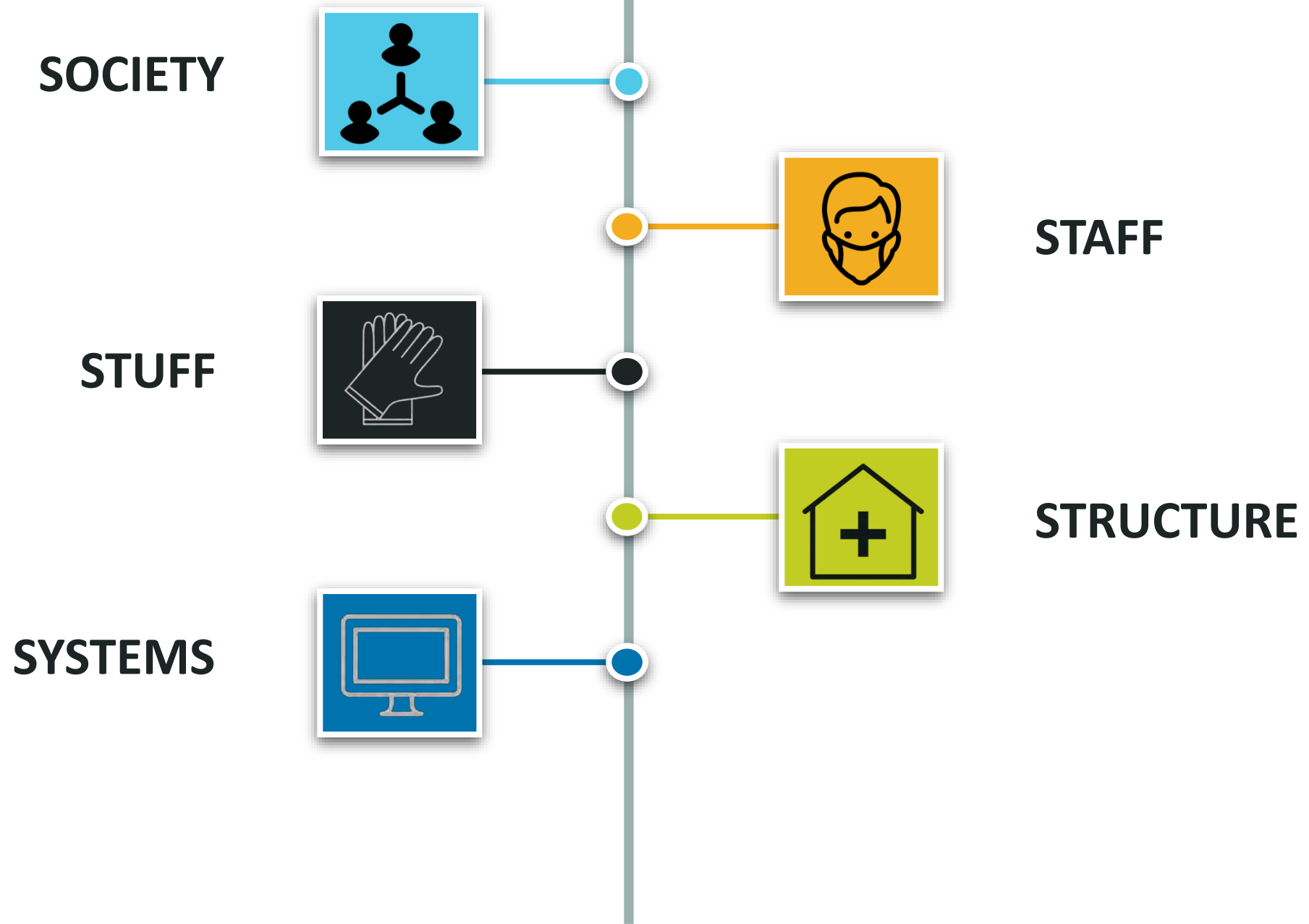
DIAGRAM OF THE CAUSES OF MORTALITY
IN THE ARMY IN THE EAST.

2.
APRIL 1855 to MARCH 1856



1.
APRIL 1854 to MARCH 1855





The background is a blurred photograph of an interior space. A person is seated at a desk, their form softened by a shallow depth of field. A prominent red wall serves as the backdrop. A desk lamp with a curved, metallic arm is visible on the left side of the frame. The overall atmosphere is quiet and focused.

SOCIETY



Canadians overwhelmingly support stronger measures to fight COVID-19, Ipsos poll suggests

BBC

 Sign in

News

Sport

Reel

Worklife

Travel

Future

NEWS

WHO says fake coronavirus claims causing 'infodemic'



STUFF

PPE DASHBOARD

Safety First

KEY MESSAGES

- CHEO is currently in a state of PPE conservation
- Comprehensive PPE strategy working well to maintain current levels
- On Friday CHEO recieved 10,600 procedure masks, 760 face shields and 1,240 boxes of gloves

WEEKEND CONSUMPTION: May 2 - 3, 2020



N95s

40

1870 PLUS

20 ✓

N95 8210 (3M)

0 ✓

N95 GERSON 1730

20 ✓

N95 1860S (3M)

0 ✓

Expected total daily pandemic usage*

220



Procedure masks

2,520

Adult with visor L3

100 ✓

Adult Level 1 + 2

0 ✓

Adult Level 3

2,420 ✓

Expected total daily pandemic usage*

2,500



Face shields

282

Expected total daily pandemic usage*

300

✓ = used LESS than expected

! = used MORE than expected

✗ = used 50% MORE than expected

CHEO

Daily COVID-19 tests per thousand people

The figures are given as a rolling 7-day average. For countries that do not report testing data on a daily basis, we assume that testing changed equally on a daily basis over any periods in which no data was reported.





SYSTEMS



CBC

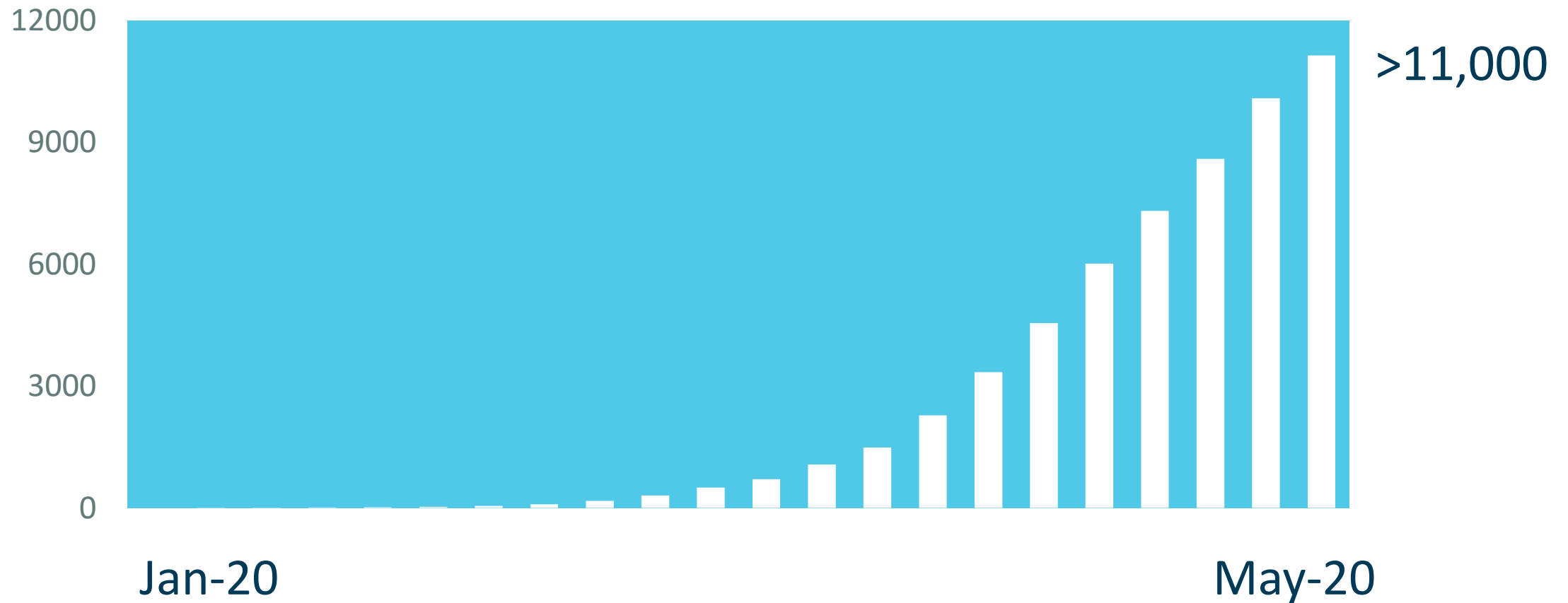
MENU ▾

Potential COVID-19 vaccine shows promising early results

nature

How swamped preprint servers are blocking bad coronavirus research

Cumulative # COVID-19 Peer Reviewed-Journal Articles by Week



>11,000



STAFF



LOOK FOR THE HELPERS.

NANCY ROGERS, MOTHER OF FRED ROGERS



What We Know

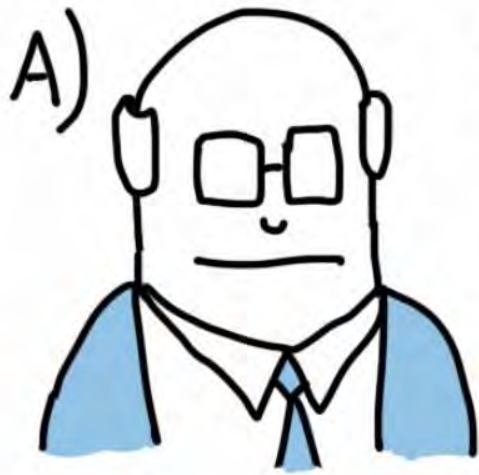


What We
Don't Know

The image shows a blurred background of a building. A prominent red sign with the word 'EMERGENCY' in capital letters is visible on the upper part of the building. Overlaid on this background is the word 'STRUCTURE' in a white, hand-drawn, sketchy font. The building's facade appears to be made of light-colored stone or concrete blocks. There are some windows visible on the upper left side of the building.

STRUCTURE

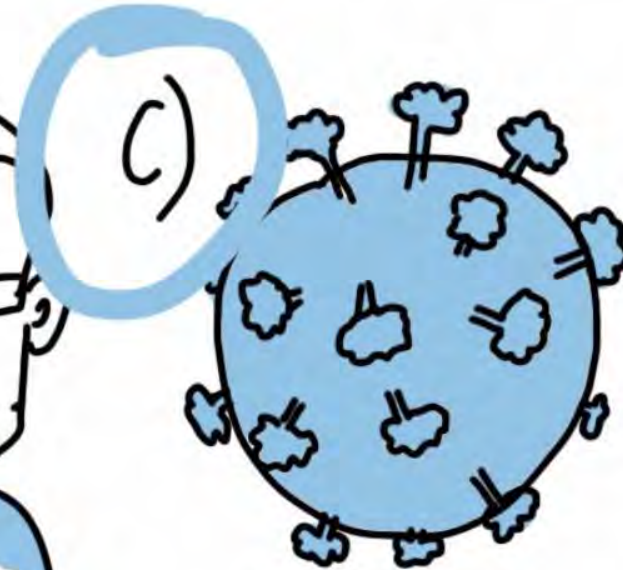
WHO LED THE DIGITAL TRANSFORMATION
OF YOUR COMPANY ?



THE CEO



THE CTO



COVID-19

BUSINESSILLUSTRATOR.COM

% In-Person Healthcare Visits

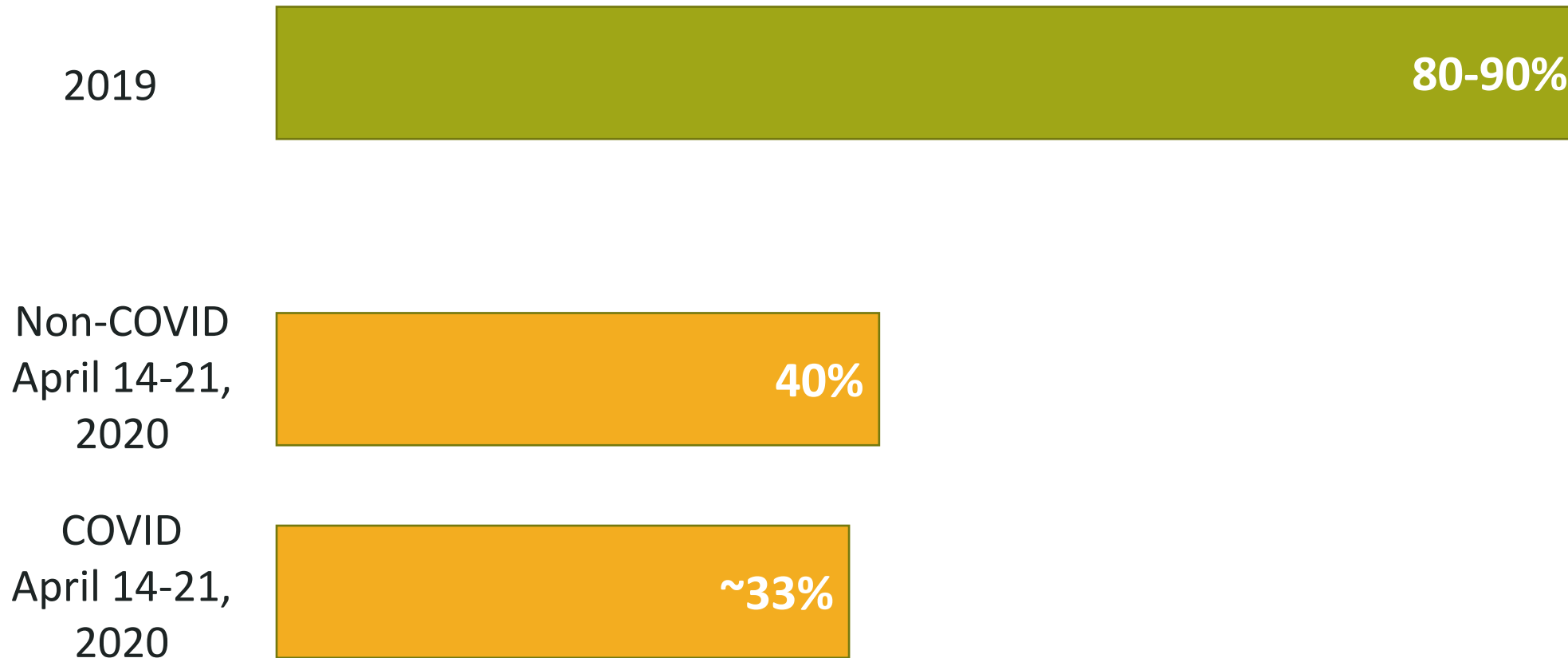
2019

80-90%

April 14-
21, 2020



% In-Person Healthcare Visits



**WHEN
IS THE END?
#COVID19**





**Not When Will This
End but ...**

**How Will
We Carry On?**

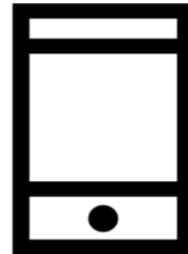
WHO Euro on Managing the Transition



1. Governance of health systems.



2. Data analytics to inform decisions.



3. Digital technologies to support public health measures.



4. Responsive communication with populations.

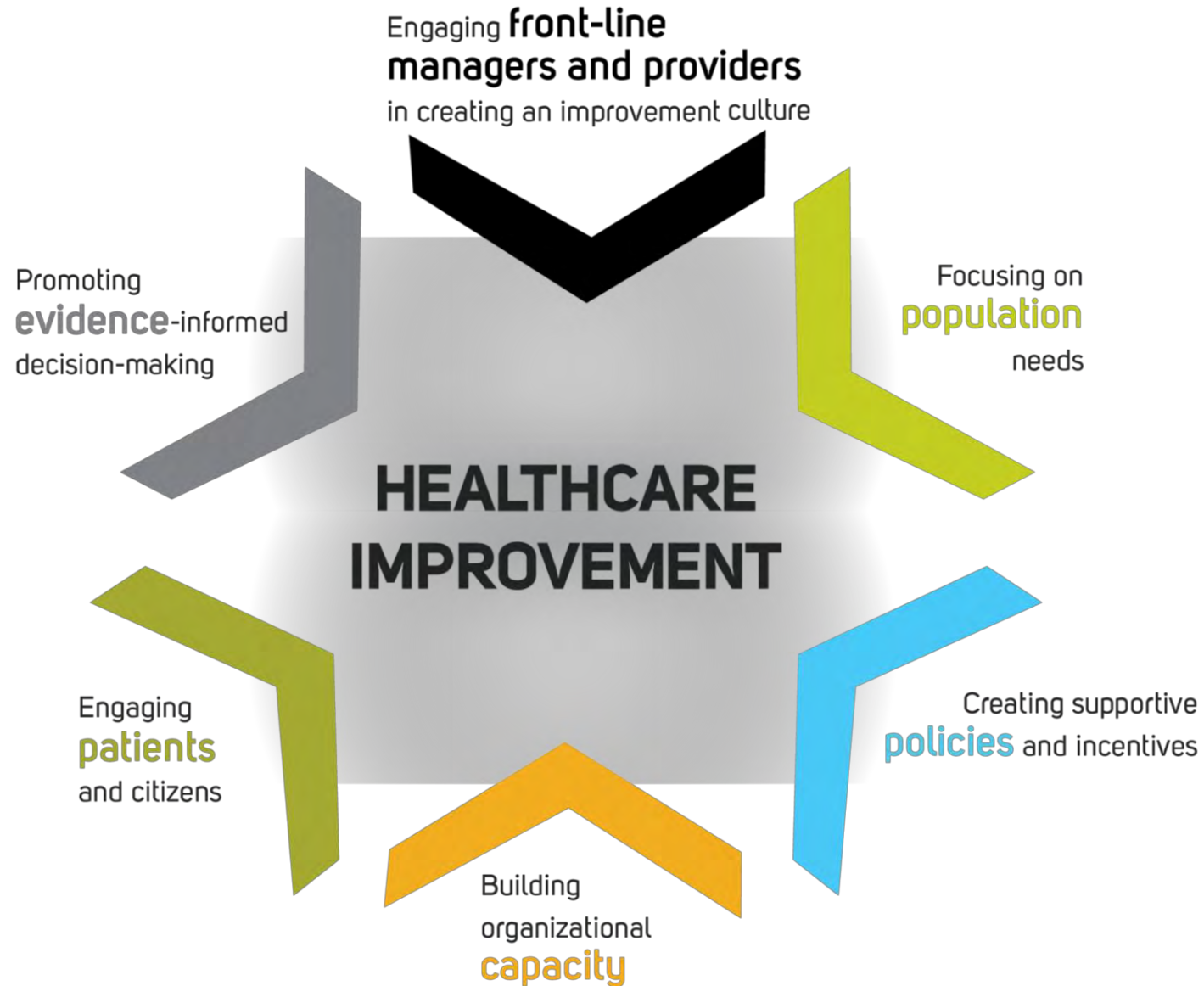
Source:
http://www.euro.who.int/__data/assets/pdf_file/0018/440037/Strength-AdjustingMeasuresCOVID19-transition-phases.pdf?ua=1



Good
Information
Hygiene

Information for
Better Health & Care

6 levers for healthcare improvement



Source: Baker & Denis, 2011.

ADD VALUE,
NOT NOISE



Thank you