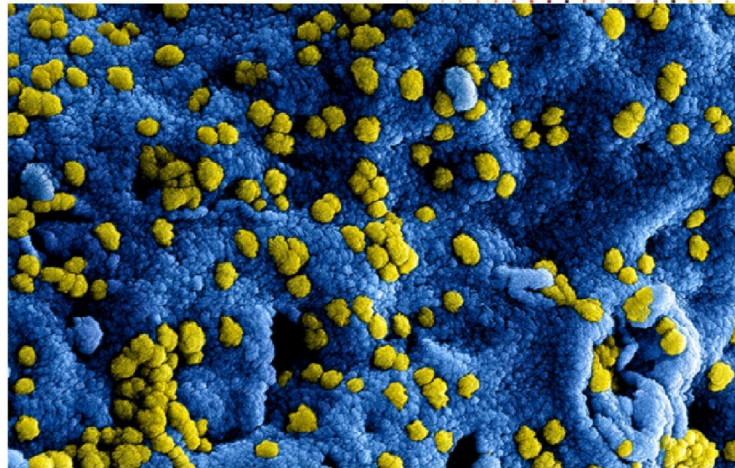


COVID-19 pandemic mitigation in ASEAN:

the situation in The Netherlands - now and in the future?



Friday July 10th, 2020

(10)(2e) (10)(2e)

Regional Consultant Infectious Disease Control – National Institute for Public Health and the Environment (RIVM)

1/6/2022



Disclosure:

(10)(2e)

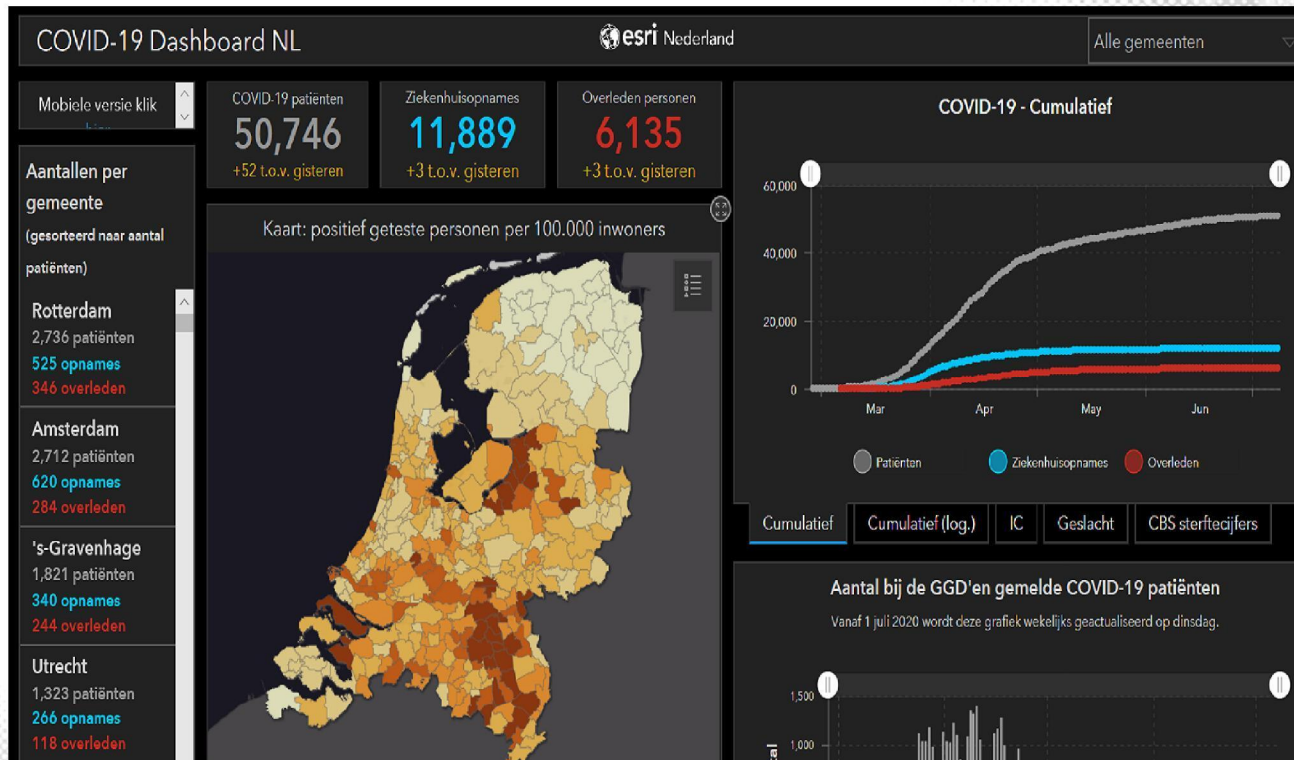
(Potential) Conflict of Interest	
For meeting relevant relations with (non-) commercial companies / institutions:	None
Sponsoring / research funding	None
Financial compensation	None
Shareholder	None
Other relations....	None

Content:

- National context:
 - Situation in The Netherlands: data
 - Covid-19 management
 - Challenges
 - Lessons learned:

- International context:
 - ECDC – WHO
 - Challenges
 - Lessons learned

NL COVID-19 Geo Hub



Key players in CDC

National level

- Ministry of Health, Welfare and Sports, EZ, SoZa
- Dutch Centre for Infectious Disease Control (CIb), RIVM
- WBB – Wageningen Bioveterinary Research
- Health Inspectorate (IGZ), NVWA (Food safety authority)

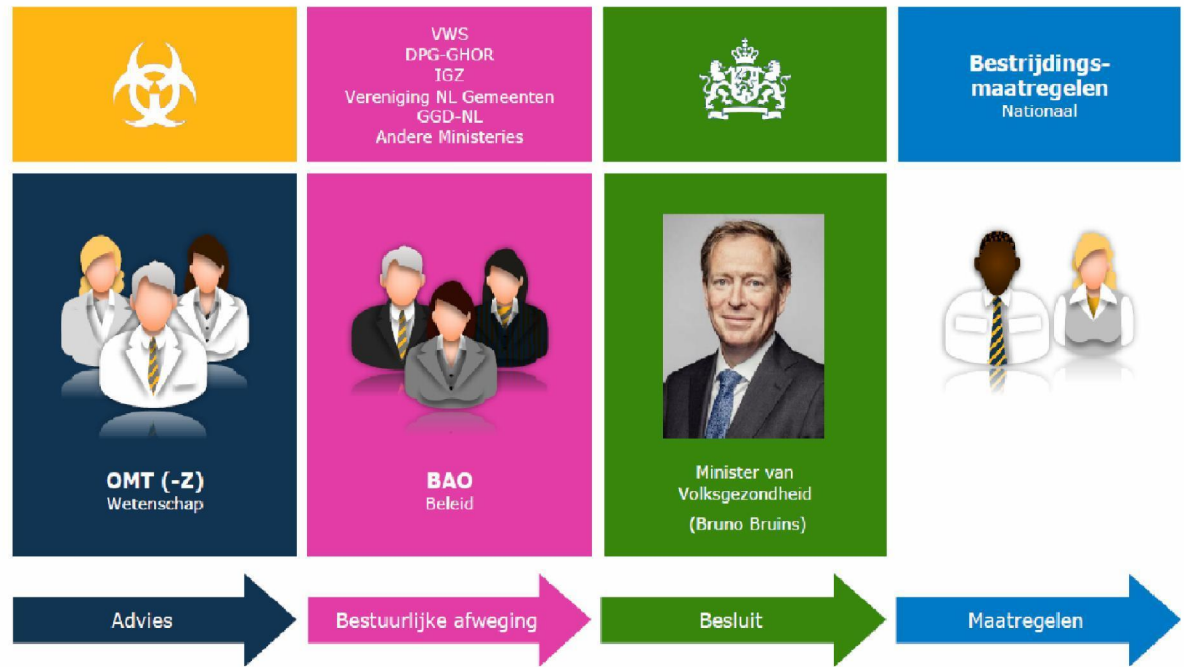
Regional level

- Municipal Health Services (25 GGD)
- Disaster Medicine Organization (25 GHOR)
- Hospitals, medical specialists
- (Public Health) Laboratories

Local level

- General Practitioners (9.000 GP)
- Veterinarians

Infectieziektebestrijding tijdens een (landelijke) crisis

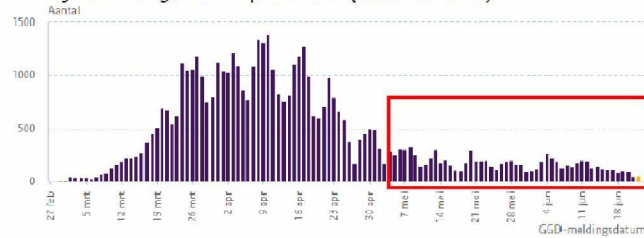


COVID-19 | NL

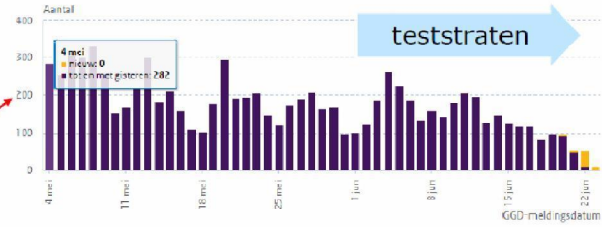
23 juni 2020 – meldingen en ziekenhuisopnames



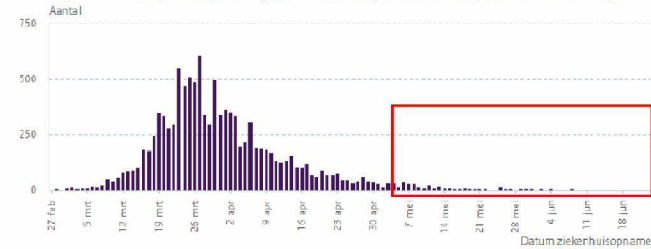
Bij GGD'en gemelde patiënten (sinds 27 febr):



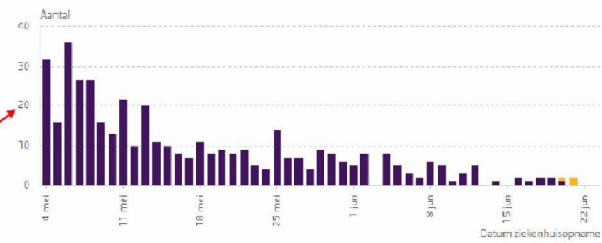
Bij GGD'en gemelde patiënten (sinds 4 mei):



Bij GGD'en gemelde opgenomen patiënten (sinds 27 febr):



Bij GGD'en gemelde opgenomen patiënten (sinds 4 mei):



Lockdown - Slow response?

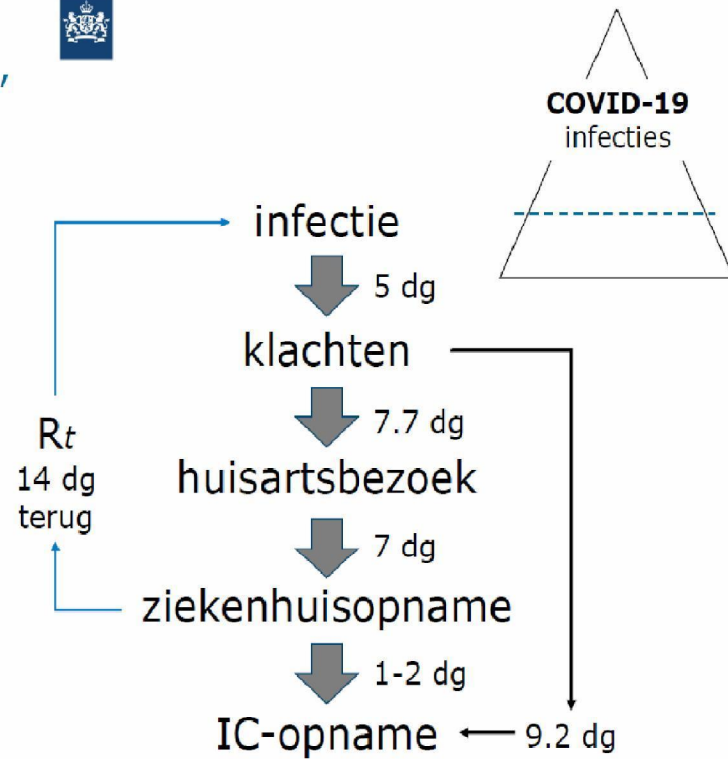
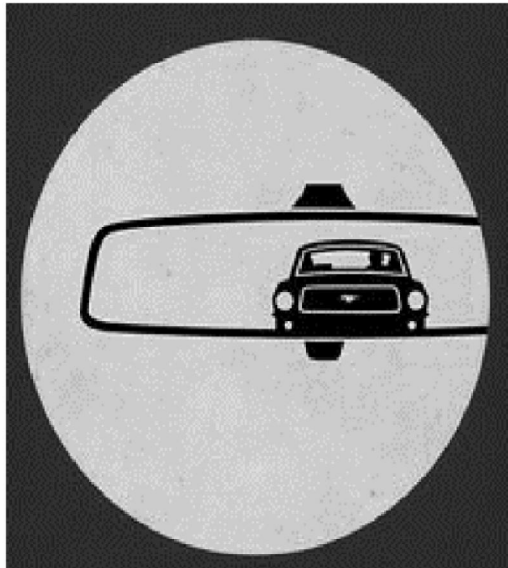
- Previous outbreaks: containment with testing, contact-tracing, isolation and quarantine
- Surprised by the explosive spread and serious clinical presentation (IC-capacity) of COVID-19
- Drivers: wintersports-holidays and Carnaval; insufficient emergency preparedness / supplies
- Outbreak Northern Italy !
- March: “intelligent” lockdown – (joined) civil responsibility
- Economic support packages – support base

Challenges:

- “100% action – on 50% knowledge”
- Preparedness: test-capacity; PPE;
- Regional differences versus generic mitigation measures
- Focus on Intensive Care capacity; less attention for the elderly in nursing homes
- International coordination: border areas (different rules)
- International migration – industrial labour
- Unattended / postponed health care

COVID-19

'driving by the rear mirror'



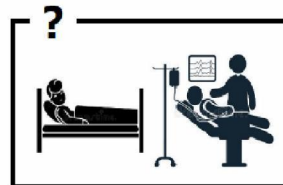
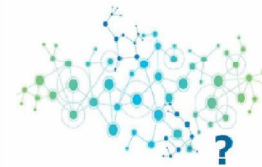
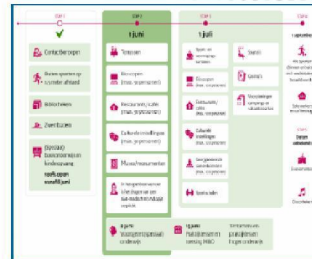
COVID-19 strategie en toekomstscenario

Strategie:

- indammen virus
- voorkómen en bestrijden uitbraakjes
- vaccin (groepsimmunititeit)

Doelen:

1. Kwetsbaren beschermen
 - herkennen doelgroep
 - maatregelen verpleeghuizen
2. Ziekenhuiszorg intact
 - ziekenhuisopnames
 - IC-opnames
 - overige zorg
3. Zicht op virus en verspreiding
 - early warning
 - surveillance



Early warning
 Gedragsonderzoek
 GGD/RIVM
 Nalevingsmonitor
 Verplaatsingsgegevens
 telefoon



Surveillance
 Infectieradar
 Rioolwatersurveillance
 Surveillance zorgmedewerkers
 NIVEL/RIVM huisarts-peilstations
 OSIRIS GGD-contactgegevens

Testen in teststraten drive-through!

Strategy and goals:

Strategies:

- Containment of the virus
- Prevent (and contain) local outbreaks
- Vaccin development and availability

Goals:

- Protect vulnerable groups
- Maintain care system capacity
- Early warning and surveillance

Preparation 2nd wave:

- Increased surveillance (various systems)
- Test capacity national - > 30,000/day
- Sewage testing
- Behaviour monitoring

International perspective:

- ❑ ECDC / EC:
 - positive international guidelines, information sharing (dashboard), etc.
 - Challenge: coordination between countries; organizing international economic (recovery support)
- ❑ WHO: advocacy / support less developed countries; countries at high risk; equity (treatment and prevention)
 - Evaluation pandemic management (committee established 09-07)
- ❑ ASEAN (*Association of Southeast Asian Nations*):
 - EU bilateral trade agreements (EU – country)
 - Special relations between Europe and overseas territories (e.g. Netherlands – Indonesia)

Future:

- **Early detection:** International Health Regulations

- **Impact mitigation:** strengthening health systems, economic support

- **Prevention:**
 - reorganize food industry (zoonotic introductions);
 - vaccine development and accessibility
 - Special attention to Africa

GLOBAL THREAT!





**Thank you very much
Questions?**