



I-MOVE-COVID-19

Primary care network
6 April 2020

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Agenda

- Update surveillance protocol (WP2)
- Research priorities at primary care and community level (WP4)
- Update from sites
- AOB

Update WP2 surveillance protocol

Primary care surveillance

Obtain epidemiological, clinical and virological information about COVID-19 caused by SARS-CoV-2 virus infection, through the **adaptation and expansion of the influenza surveillance systems** in primary care

- D2.1 Current COVID-19 surveillance practices and recommendations
- D2.2 Capacity strengthening plan defining the priority activities
- D2.3 Surveillance protocol for the different phases of the epidemic

Planning: months 1 – 3

This meeting

- Exchange of current practices, challenges and plans in PC networks
(update of Excel questionnaire)
- Discussion on draft common surveillance protocol
 - What is useful?
 - What is feasible?
 - Avoid duplicate work / overlap with TESSy reporting

Where are we?

- ECDC Surveillance strategy COVID-19
 - Continuation of sentinel ARI/ILI and virological influenza surveillance after week 20
 - Increase the proportion of the population covered
 - Increase number of swabs from ARI and ILI patients, test for SARS-CoV-2
 - Options for syndromic surveillance
- ECDC questionnaire on current practices
- Current situation:
 - Implementation of SARS-CoV-2 testing in most I-MOVE PC networks
 - Changes in primary health care organization: telephone consultations and dedicated health centres for suspected COVID-19 cases

Inventory current practices I-MOVE-COVID-19 PC

✓ - yes

✗ - no (not yet)

~ - in progress

Country	England	France	Ireland	Netherlands	Portugal	Scotland	Spain - all	Spain - Navarra	Sweden
N GPs	100	331		77	60 ↑			78	90 ↑
COVID-19 surv	✓	✓	✓	✓	✓		~	~	✓
Surv protocol	✓	✓		I-MOVE				I-MOVE	I-MOVE
Case def.	(suspected) COVID-19: ILI or LRTI	ARI	ILI	ILI or ARI				ILI	ILI
Phone calls for COVID-19	✓	not collected, but are reported to TESSy?	✓	✗	✓				

→ Continued on next slide

ILI = influenza-like illness

ARI = acute respiratory infection

LRTI = lower respiratory tract infection

Primary care surveillance

✓ - yes

✗ - no (not yet)

~ - in progress

Country	England	France	Ireland	Netherlands	Portugal	Scotland	Spain - all	Spain - Navarra	Sweden
Lab protocol	✓	~	<i>Sentinel GPs no longer swab clinical ILL cases; testing in hospitals</i>	✓	✓			✓	✓
Start surv.	week 5	week 12 (week 9)	✗	week 5	week 10			week 9	week 10
Co-vars	standard + other coded data	I-MOVE	?	I-MOVE	?			symptoms, demographics, comorbidities	I-MOVE
Ethical approval	not needed	not needed		not needed	not needed			not needed	needed
Informed consent	oral	oral		written				oral	

I-MOVE-COVID-19 PC surveillance

- Urgent need for surveillance data from primary care
- When primary care surveillance system is running (normal) again
- Important: regional differences

- TESSy NCOVAGG = number of sentinel tested, sentinel positive

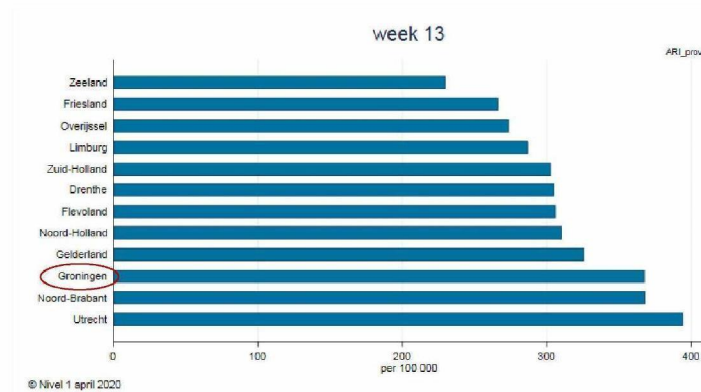
- I-MOVE-COVID-19: more detailed information on suspected and confirmed COVID-19 cases in PC

Basis: I-MOVE infl VE protocol

- Patient ID
- Demographics: age, sex, region
- Case definition: ILI, ARI, specific diagnosis
- Symptoms: date of onset, acute onset, fever, other symptoms
- Virological testing: negative/positive SARS-CoV-2
- Underlying chronic conditions, including obesity, medical indication for vaccination
- Influenza vaccination
- Other co-variables

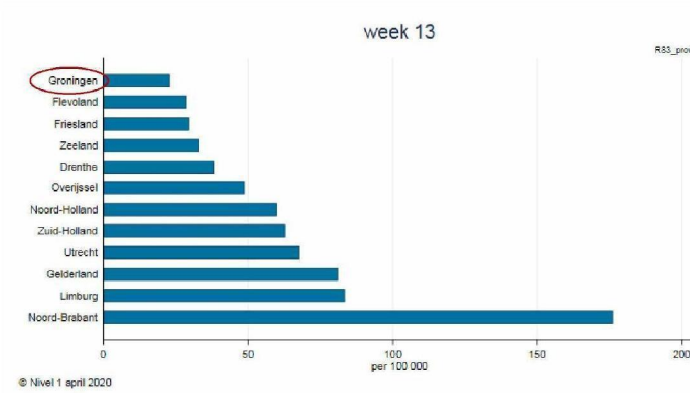
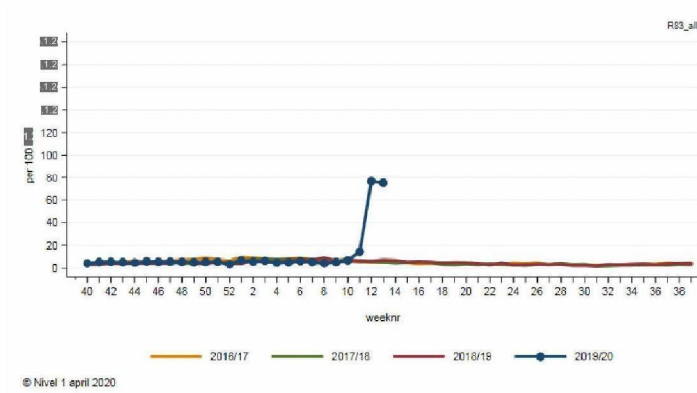
Syndromic surveillance = without lab testing

- TESSy INFLCLINAGG
- ARI consultations → by region



Refined syndromic surveillance

- ARI refined to probable and positive COVID-19 cases



Syndromic surveillance ARI

- Data extraction from electronic medical files
- Web-based reporting

I-MOVE-COVID-19: primary care questionnaire

Country
Albania

Postcode of your office

How many patients does your practice cover (size of catchment population)?

How many patients with acute respiratory infection* or suspected COVID-19 did you see this week at your office?

How many patients with acute respiratory infection* or suspected COVID-19 did you call at their home this week?

Are you testing patients for COVID-19?
 Yes
 No
 unknown

If yes, how many did you test this week?

Acute respiratory infection definition: Sudden onset of fever and at least one of cough, sore throat, shortness of breath, coryza

Other alternative surveillance

- Other syndromic surveillance
 - Phone calls, school absence (...)
 - Less specific
- Self-swabbing at home (through GP)
 - Feasibility, validity, representativeness
 - Transport to lab (and save)
- Participatory surveillance (FluSurvey, new apps)
 - Less specific
 - Many new initiatives (also commercial)
- Aggregated data from laboratories (#tested, #positive)

WP4: Research studies

Relating to primary care and community level

WP4: COVID-19 research studies

- Based on WP3 (carried out in hospitals)
 - Study 1 → Risk factors for severe COVID-19
 - Study 2 → Risk factors COVID-19 among health care workers (in hospitals)
- At community level
 - How can apps/online tools contribute to monitor the pandemic at European level?
- Based on WP2 (at GP level)
 - Study 2 → Risk factors COVID-19 among health care workers (in primary care)?

How can apps/online tools contribute to monitoring the pandemic at European level?

- **Study question:** How can apps/online tools contribute to monitoring pandemic at European level?
- **Evaluation of surveillance attributes of apps/online tools and usefulness to guide public health measures**
- **ECDC** interested in this area
- **I-MOVE-COVID-19** could assist
 - **Inventory** of apps/online tools for COVID-19 data collection

Inventory of apps/online tools for COVID-19 data collection

- Objective of inventory:
 - To provide a summary of existing COVID-19 apps/online tools in Europe, in order to determine if a data sharing platform would be useful for pooling and sharing data with relevant researchers
 - To provide an initial assessment of usefulness, representativeness and potential biases of the apps in relation to specific COVID-19 research/surveillance objectives
- If go-ahead: we may contact you

COVID studies among Health Care Workers at primary care level

- Measuring incidence of COVID signs and symptoms among HCW
- Estimating incidence of laboratory confirmed (RT-PCR) COVID among HCW
- Measuring the seroprevalence for COVID among HCW
- Identifying risk factors for COVID among health care workers
 - ✓ Underlying conditions
 - ✓ Type of organisation of consultations (tel, office, special pathway, etc.)
 - ✓ Workload
 - ✓ Protective equipment
 - ✓ Etc.
- ✓ Two repeated surveys for case control studies ?
 - ✓ Mid April
 - ✓ End of May

Important updates from study sites