Corona App from Münster

Speed-up testing &
Improve patient follow-up

5.1.2e

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HIPPOKRATES

Workflow of Corona App: Speed-up of testing

- Person is eligible for COVID-19 test

- Download of app to smartphone

- Standardized questionnaire is filled in before testing

- 2D-Barcode is generated on Smartphone

- Barcode is scanned into IT system of test center

Screen 1

8:22

My Patient Data

| APR 10, 2020 | 8:22 AM |

| CORONA MED. HISTORY |

This app is used to prepare Your medical encounter regarding a possible corona infection. Please answer the questions carefully in advance and then speak to your doctor. The app generates a barcode from your data, which is read into your doctor's computer. NO data is transferred to the Internet. This helps to speed-up the diagnosis process.

Symptoms

Do you have a cough? (*)
○ yes ○ no

Screen 2

8:22

Symptoms

Do you have a cough? (*)
⦿ yes ○ no

Have you got the sniffles? (*)
⦿ yes ○ no

Do you have hoarseness? (*)
⦿ yes ○ no

Do you have a fever or increased body temperature? (*)
⦿ yes ○ no

What body temperature have you currently measured?

39   Degree Celsius

Do You have a disturbed sense of smell? (*)
⦿ yes ○ no

Do you have a disturbed sense of taste? (*)
⦿ yes ○ no

Do You have diarrhea? (*)

Screen 3

8:23

Do you have a disturbed sense of taste? (*)
⦿ yes ○ no

Do You have diarrhea? (*)
⦿ yes ○ no

Contact

Did you have contact to people with corona infection in the past 14 days? (*)
⦿ yes ○ no

Contact person

Mr ABC

Do you live/reside/work in a health care facility (nursing home/hospital) where respiratory diseases have frequently occurred?
⦿ yes ○ no

Risk area

Have you been in a risk area for corona infection during the past 14 days or have you had contact with people who have been

Screen 1 (8:24)

Risk area

Have you been in a risk area for corona infection during the past 14 days or have you had contact with people who have been there?
Risk areas are: Egypt, France, Iran, Italy, Netherlands, Austria, Switzerland, Spain, South Korea: Daegue and Gyeongsangbuk-do Province, USA, Great Britain and Northern Ireland (see ecdc.europa.eu for the current list of risk areas) (*)
◉ yes ○ no

Where were you or your contacts?

Netherlands

General information

Do you have other current diseases? (*)
◉ yes ○ no

Which current diseases?

MDS

Screen 2 (8:25)

Birth date (*)

1.1.1950

Phone number (*)

1234567

Do you agree to be contacted by the doctor/clinic at a later date?
◉ yes ○ no

Additional information

Study Patient

[BACK]   [STORE]

Screen 3 (8:25)

[+] [BARCODE]

10-Apr-20   Corona Med. History :
08:22   First name:Werner Last
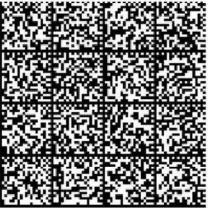   name:Test Birth
            date:1.1.1950
            Phone:1234567
            Symptoms: cough, sniff,
            hoarseness, fever,
            temperature: 39 degree
            Celsius, dysosmia,
            dysgeusia, diarrhoa.
            Contact to infected
            people: YES. Contact
            person: Mr ABC. Contact
            to respiratory diseases in
            healthcare facilities: YES.
            Stay in risk area: YES.
            location: Netherlands.
            General information:
            Current diseases: MDS.
            Chronic diseases:
            Diabetes. Medication:
            Insulin.
            Study Patient
            FU yes

Workflow of Corona App:
Improve patient follow-up

- Person is sent into quarantine

- App sends daily reminders to document
  vital signs & symptoms

- 2D-barcode is generated on smartphone

- Barcode is scanned into IT system of GP or hospital

- Physician can review disease course

Screen 1

8:26

FOLLOW-UP

Please document the course of your illness regularly. If you feel acutely worse, please contact your doctor and report those data.

Vital signs

What's your temperature?

39 , 0 Degree Celsius (*)

Pulse 100 /min (*)

Please enter your systolic blood pressure (upper value of blood pressure measurement)

110 mmHg (*)

Symptoms

On a scale from 0 to 10, how severe is your cough? (*)
- ◯ 0 No cough

Screen 2

8:26

Symptoms

On a scale from 0 to 10, how severe is your cough? (*)
- ◯ 0 No cough
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ 5
- ● 6
- ◯ 7
- ◯ 8
- ◯ 9
- ◯ 10 Extreme cough

Are you experiencing shortness of breath? (*)
- ◯ Not troubled by breathless except on strenuous exercise
- ◯ Short of breath when hurrying on a level or when walking up a slight hill
- ◯ Walks slower than most people on the level, stops after a mile or so, or stops after 15 minutes walking at own pace
- ● Stops for breath after walking 100 yards, or after a few minutes on level ground
- ◯ Too breathless to leave the house, or

Screen 3

8:27

If you have a pulse oximeter: What's the oxygen saturation (SpO2)? 95

Have you got the sniffles?
- ● yes ◯ no

Do you have diarrhoea?
- ● yes ◯ no

Do you have a disturbed sense of smell?
- ● yes ◯ no

Do you have a disturbed sense of taste?
- ● yes ◯ no

If you have other symptoms, what are they?

Headache

Medication

If you take medication regularly: Have you taken your medication today?
- ● yes ◯ no

If you took any extra medicine today: What

Corona App: Key characteristics

- Scalability: No additional software installation & compatible with ANY clinical software

- GDPR-compliant: no data transfer via Internet

- No Geo-Tracking

- Minimal setup cost: only 1 standard Barcode scanner per test center / GP / hospital

- App is free of charge, no advertisement

Corona App: Value proposition

- Speed-up of testing up to 20%: less time for medical history taking

- Contact time is reduced

- Patient triage is supported by regular documentation

- Tested in routine operation for 3 weeks

- Available in 8 languages: German, English, Spanish, Portuguese, Italian, Dutch, French, Turkish

- Ready for use now

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Improve patient follow-up

More infos:
https://hippokrates-it.de/corona/