



STOPP CORONA APP

Project Overview

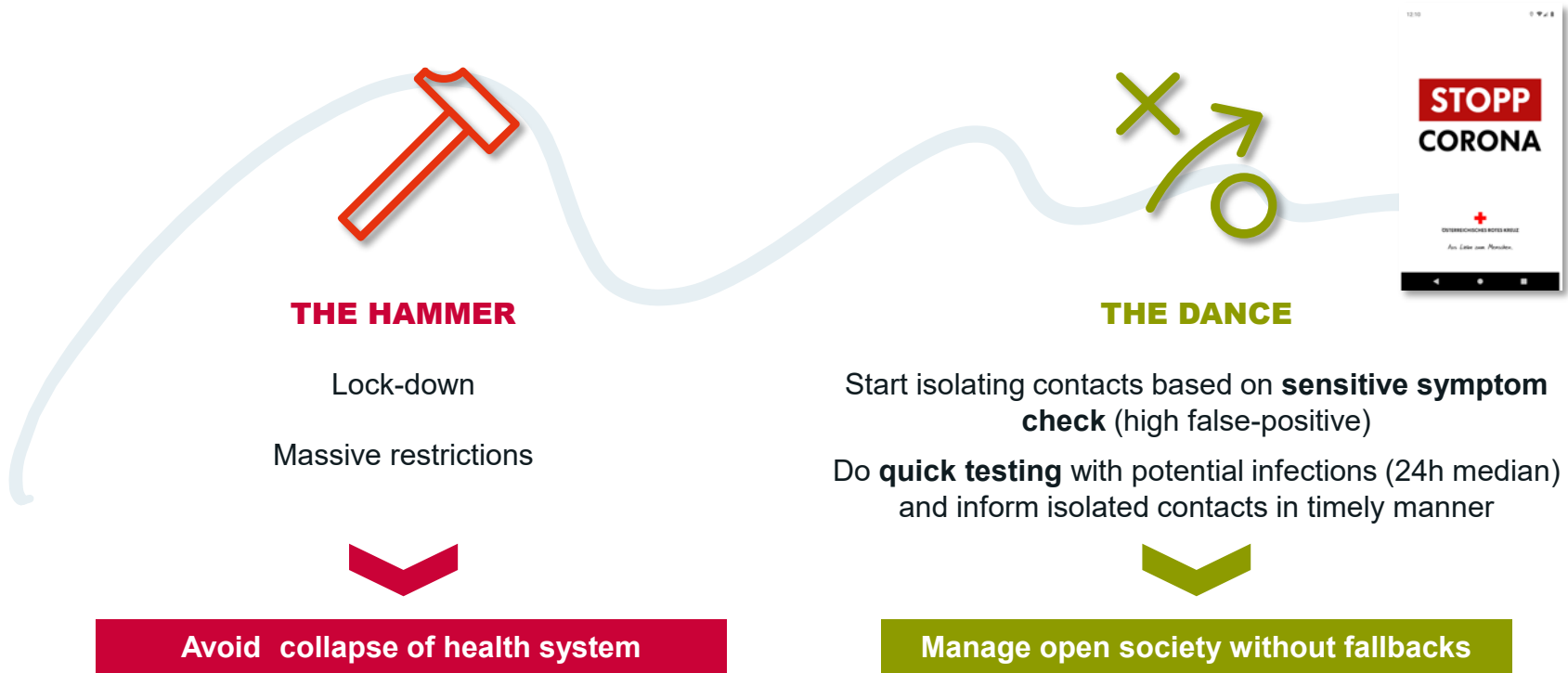
September 2020



ÖSTERREICHISCHES ROTES KREUZ

Aus Liebe zum Menschen.

CONTAINMENT 2.0 STRATEGY



STARTING POINT

Accenture was requested to support the Austrian Government's Crisis Management Team and the National Red Cross

Key Question

„How can technology support the current situation in 2-4 weeks from now?“

How did it start on March 9th 2020?

Within 12 hours...	Ideate & prioritize
Within 24 hours...	Prototype & test
Within 1 week...	Define & implement
Within 2 weeks...	Go live & scale

Guidelines

- 1) Fast & Impactful
- 2) Secure & Robust
- 3) Scalable



APP DEVELOPMENT HIGHLIGHTS



Closed source ✓
Trusted source ✓
Open source ✓



Data protection /
de-central system



Closed collaboration to
define functional
requirements for their
interfaces



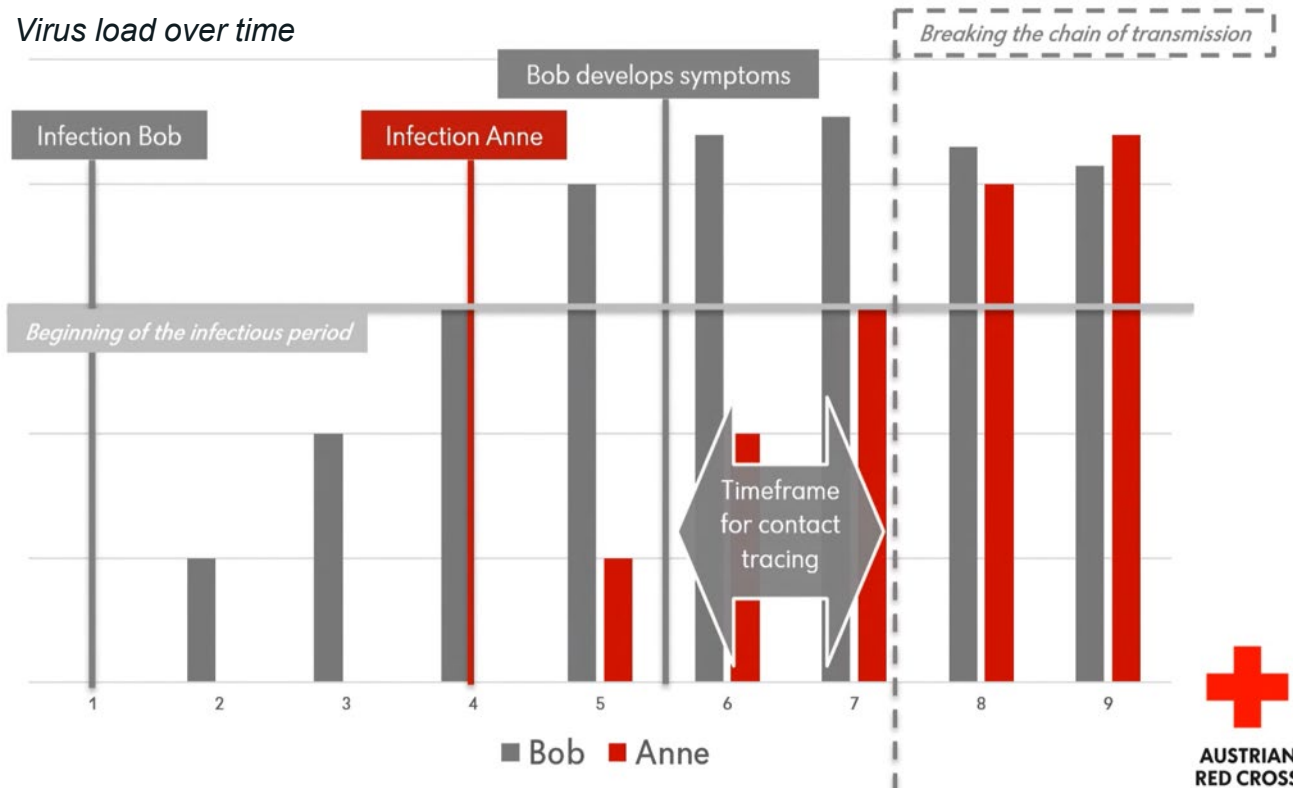
Co-Author of DP-3T
interoperability protocol

#1 first contact tracing app in Europe
#1 shortest go-to-market time in the world
#1 de-central app in the world
#1 broadest vision & functionality



Close collaboration with NGOs
and Universities

WHY **TIME** MATTERS FOR CONTRACT TRACING



MAJOR APP FUNCTIONALITY INCL. SYMPTOM CHECK

Homescreen

09:28

Digital Handshake

Automatic handshake: active

You can send and receive signals from other apps via Bluetooth. Signals over 15 minutes are recorded as handshake in your contact diary. Please check the recording by manual handshake, if all devices are supported.

Start manual handshake

Share the app!

How do you feel today?

Check symptoms

Report corona infection

Report medical confirmation

1. Automatic Handshake

2. Manuell Handshake

3. Share App Link

4. Symptom Check (yellow warning)

5. Positiv Lab Test (red warning)

Symptom Check

09:30

Check symptoms

Question #1

How are you today?

☐ I feel fine.

☒ I have symp

Question #2

Do you have any of the following symptoms?

- * Cough
- * Sore throat
- * Shortness of breath
- * Respiratory
- * Sudden loss of taste or smell

☐ No

☒ Yes

Question #3

Do you have a plausible explanation (e.g. known allergy)?

☐ Yes

☒ No

Next

Authorization (SMS/TAN)

09:30

Report status

Please provide your data

In the next step, we will inform your direct contacts.

With the mobile number the app is not misused reports contribute to

Personal data

Mobile phone number: +43 721239

Please enter the TAN

TAN: 721239

Report suspicion?

In the next step, all persons with whom you have exchanged a digital handshake within the last 48 hours will be notified anonymously. This way you protect others and the further spread of the virus is slowed down.

The notification is anonymous. Your personal data will not be passed on to third parties.

☒ I hereby confirm to have provided all information truthfully.

Report a suspected infection

Different States (green / yellow / red)

End quarantine

Thank you for quarantining yourself. You may terminate the quarantine.

Verdacht gemeldet

Sie haben den Fragebogen ausgefüllt und es besteht Verdacht auf eine Corona-Infektion.

13 Quarantäne-Tage

Entwarnung geben

Corona-Infektion melden

Achtung

Bei 3 Ihrer Kontakte wurde eine Corona-Infektion festgestellt

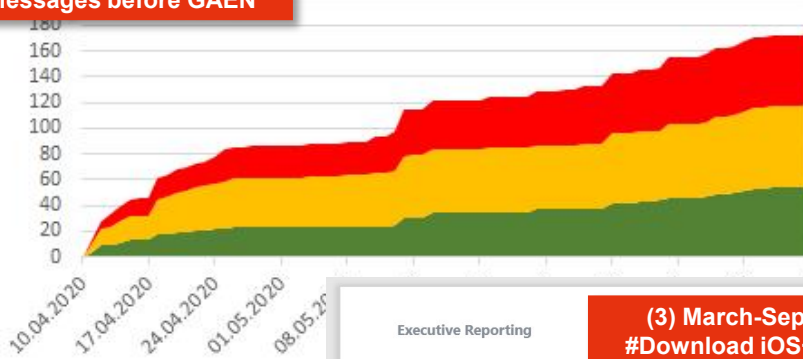
Bei 2 Ihrer Kontakte gibt es den Verdacht auf eine Corona-Infektion.

12 Quarantäne-Tage

STATUS ON ACCEPTANCE & USAGE

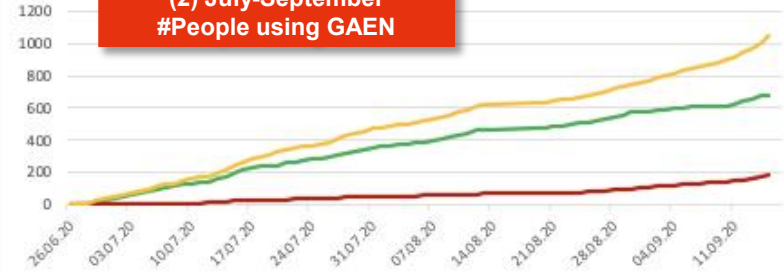
(1) March-June
#Messages before GAEN

Anzahl Meldungen



Anzahl der gemeldeten Personen pro Status

(2) July-September
#People using GAEN



(3) March-September
#Download iOS+Android

Executive Reporting

Downloads gesamt 26.09.2020

1,012,470

Downloads iOS (inkl. Redownloads)

393,155

Downloads Android erstmalig Redownloads

365,669

253,646

Deinstallationen 26.09.2020

600,160

Deinstallationen iOS

192,365

Deinstallationen Android

407,795

Anzahl Nutzer

Gesamt

416,607

Deinstallationsquote

Gesamt

47.4%

Entwicklung Anzahl Nutzer (kumulative Darstellung)



CONTAINMENT 2.0¹⁾

Quantifying SARS-CoV-2 transmission suggests **epidemic control with digital contact tracing** (Prof. Fraser Oxford):

- **Pre-symptomatic infection** is a critical factor (see Figure 1 – blue area), people do not know that they are already infecting others
- **Time** from symptom → labor test → test result → trace contacts → inform contact → isolate potentially infected people **takes too long** to effectively break infection chains
- In theory, if **60% of population** would use an app and **60% do isolate** based on the app, the pandemic would be solved (Figure-2)



The red cross app design is based on notification when symptoms are starting, to be even more efficient

Figure-1: Model of infectiousness

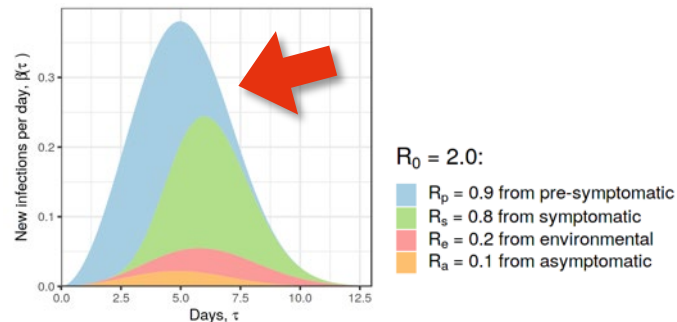
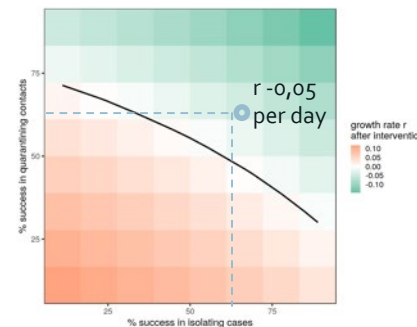


Figure-2: Intervention success



1) <https://science.sciencemag.org/content/early/2020/04/09/science.abb6936>;



<animation in presentation mode>



ÖSTERREICHISCHES
ROTES KREUZ

Aus Liebe zum Menschen.

- > **Single purpose application**
- > **Decentral and GDPR compliant**
- > **Input from 230+ experts**
- > **Globally scalable**
- > **Red Cross as trusted organization**
- > **Approved by Austrian authorities**
- > **Supported by NGOs**
- > **International reference model**