Meeting to discuss app from Munster (My Patient Data)	
Attendees	(▓▓▓ Hippokrates) ▓▓▓ CNECT.H3) ▓▓▓ (CNECT.H2) ▓▓▓ (RTD.E3) ▓▓▓ (CNECT - ▓▓▓ Societal Challenges) ▓▓▓
Date	23/04/2020

The meeting was organised to **gain insight on an app** from Munster (My Patient Data, by Hippokrates) conceived to **facilitate the information exchange in the clinical context**. With the COVID-19 crisis, many testing facilities and healthcare clinics are **saturated by the large number of patients**. The app was developed to speed up testing through **saving time of GPs in the medical history taking**.

The app is based on a questionnaire filled in by the patient on the app before going to the appointment with the doctor.
- The questionnaire contains questions on the symptoms, contacts made the previous days, their contact details, etc. Upon completion of the questionnaire, **the app generates a 2D QR code that encodes the data inputted by the patient in the questionnaire.**
- The information is stored in the QR code itself, so the image is used as a self-supported means of communication.
- The **QR code is readable by standard QR code readers**, which translate the code to readable text. The QR code reading is equivalent to the typing on a keyboard. The QR code is the interface (no data sent through the internet). This is where the time saving happens.
- The GP or the staff in the healthcare facilitate that directly copy and paste the information on the EHR of the patient, in a free text field. No software installation required. It is compatible with any clinical software, but a QR code reader is needed. The app is free and has no advertisement.
- A use of the app is **the rapid exchange of medical information for quarantined patients**, i.e. the technology can be combined with telemedicine solutions, contact tracing apps, etc.

The app is **not a medical device, and is GDPR-compliant.**
- ▓▓▓ explained that his team works on medical devices and that they work closely with the German certification body. **The app is not classified as medical device, as it has a documentation purpose. It does not have a medical purpose.** The medical considerations on the data happens outside the app, and are done by the medical professional or any other system.
- The patient is the data controller, subject and data processor as he decides on how/when the data will be shared, and this is meant to happen in the clinical context (patient-doctor relationship).
- It is important to note that the transfer to the EHR or any other healthcare IT system happens manually, as free text. Since the data follows a certain data model, in principle it would be possible to translate it to other data models/formats (e.g. OMOP, FHIR).

▓▓▓ would like to do a pilot test, and would like help to distribute among clinical doctors.
- He has been in contact with the ▓▓▓ Outpatients Doctors Association in Germany.
- This initiative is not linked to contact tracing apps. The contact details are inputted manually by the user (no automatic registering).

- It would be possible to share this with the ERN community.

████████ is knowledge of tracing technology.
- He notes that GPS data may not be sufficiently reliable, and that **many different standards are used for Bluetooth.**
- He suggests to be cautious: **Do field testing of solutions and different devices to test compatibility.**
- Apple-Google initiative is welcome, but the technical feasibility needs to be demonstrated.
- Evidence about the medical value is needed, particularly knowing that coverage may be limited (e.g. digitally-excluded are not covered).
- **Security and privacy must be proven for maximum uptake (auditing and independent testing are important).**

Takeaways:
- This is an interesting application of QR code technologies to encode medical data.
- The data is not interoperable and it is read as plain text.
- The technological approach useful when healthcare systems are heavily overloaded, as the time saving comes in the medical history taking.
- Regarding contact tracing, he confirms the need to prove the interoperability on the frontend and to take a cautious approach to ensure security and privacy.