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Ubikare - Clinical Data Analytics and Home Health Care

Motivation

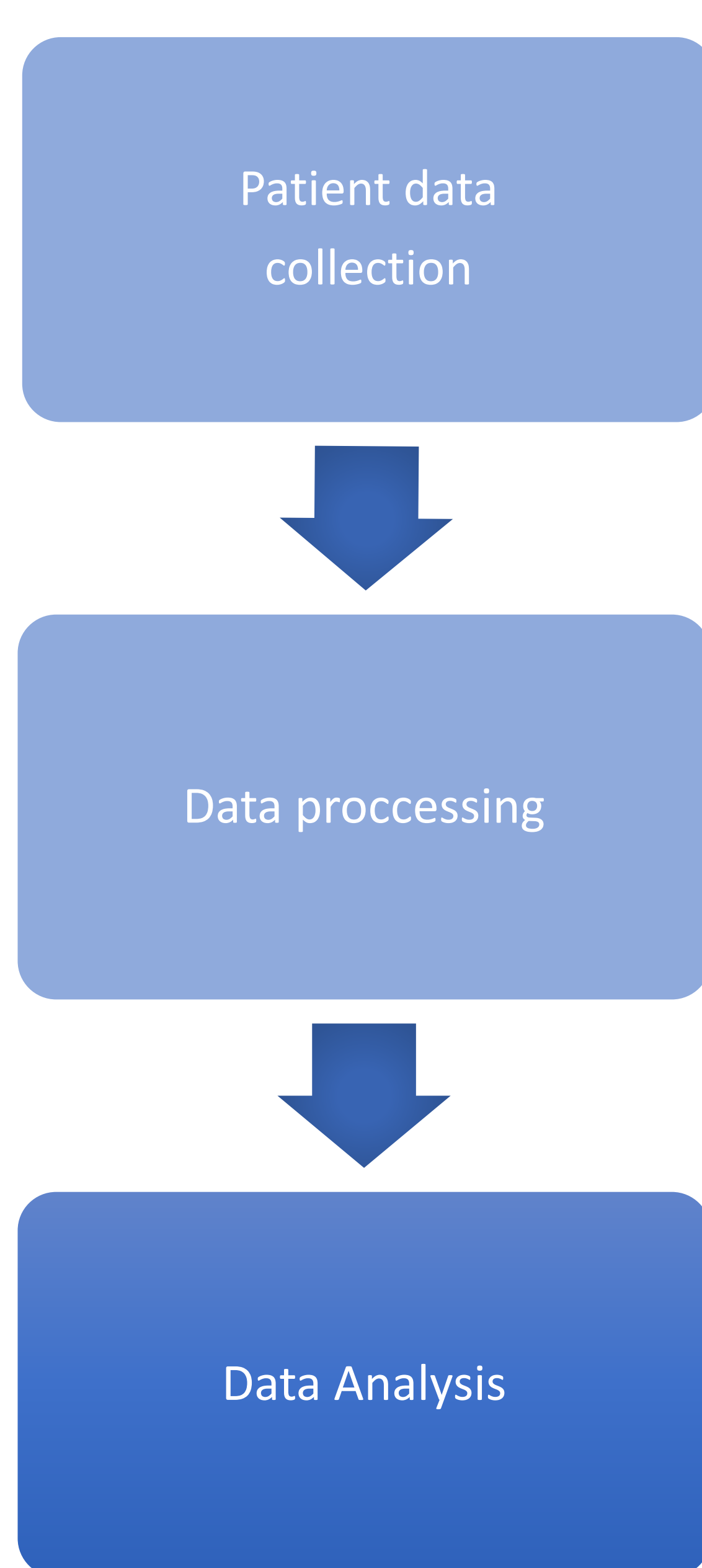
- 30th December 2019 ● China discovers a **new pneumonia**. SARS-CoV-2
- 21st January 2020 ● China reports 4 **deaths** and 200 **new cases**
- 31st January 2020 ● **Spread** in 5 countries. WHO declares health emergency
- 11th March 2020 ● WHO declares Covid-19 **global pandemic**
- Allocation of public funds for research on Covid-19
- **Collapse** of hospitals, **misinformation** in hospitals, **lack of coordination** and **communication** between them
- April 2020 ● Ubikare together **with hospitals**, develop a solution for the management of ICU patients with Covid-19

RegCovid19 goals and main features

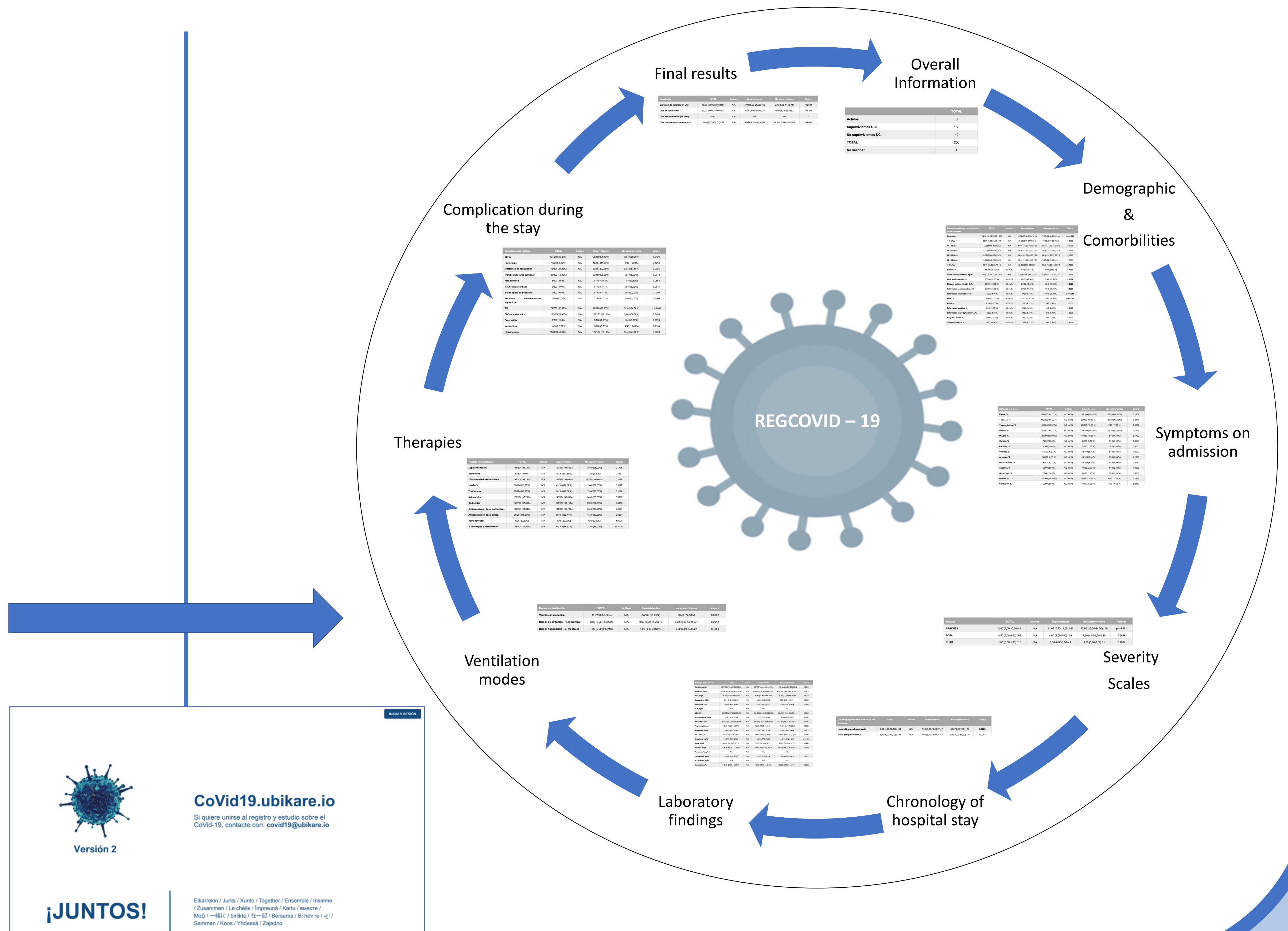
- **RegCovid19** is the **Electronic Data Collection (EDC)** tool designed by Ubikare in April 2020.
- Main objective → **Collect data, storage it and exploit information itself.**
- The **process**:
 1. Patient **data collection** where the main objective is to exploit data patient.
 2. **Data processing** to improve data quality and accuracy.
 3. **Data analysis** where the main objective is to generate knowledge to extract, store and analyse patient information

Data Analytics in RegCovid-19

DATA COLLECTION



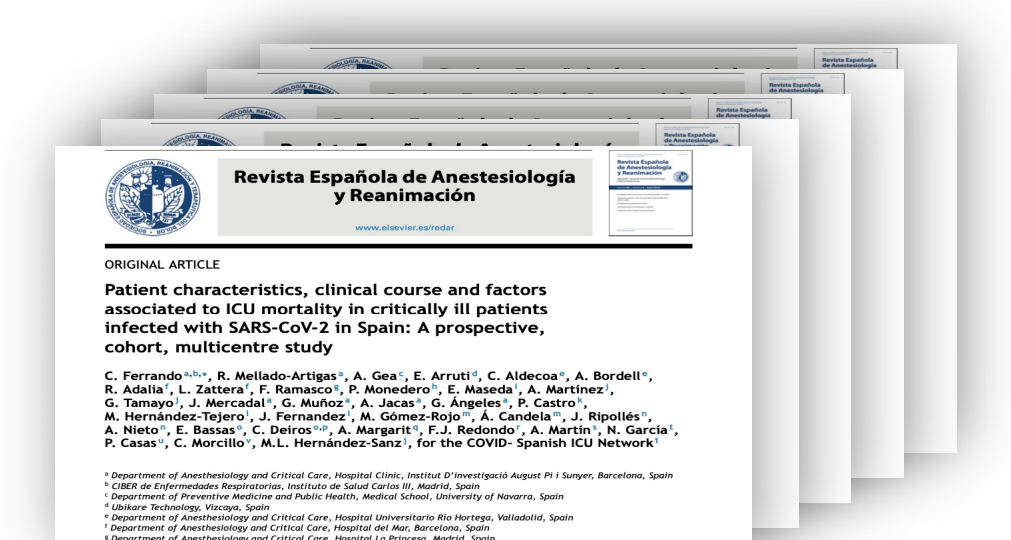
DATA ANALYTICS MODULE



Conclusions

- **RegCovid19** improves the **decision-making process**
- Researchers could obtain **new conclusions every day** and reformulate **new hypotheses**
- **Real-time data processing**

- **RegCovid19** incorporates an exportation tool → it allows to **share information** between hospitals and researchers
- It **accelerates the investigations**:
 - New conclusions every day
 - New hypothesis reformulations



For more information



Acknowledgements:

- Special agreements to COVID-19 Spanish ICU Network
- SEDAR (Spanish society of anesthesiology, reanimation and therapeutics of pain)