

The lesson of COVID-19 to Italy on the use of digital technologies to defend universalist public health and the values of volunteering: knowing how to change and protect the most fragile people

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National Centre for Telemedicine and New Healthcare Technologies

Italian name: *Centro Nazionale per la Telemedicina e le Nuove Tecnologie Assistenziali*

Establishment :
June 15th, 2017

MISSION (by Ministry Decree):

to lead, promote and coordinate **research** and **governance of the system** for the **social and healthcare applications** of the new digital technologies and the telemedicine.

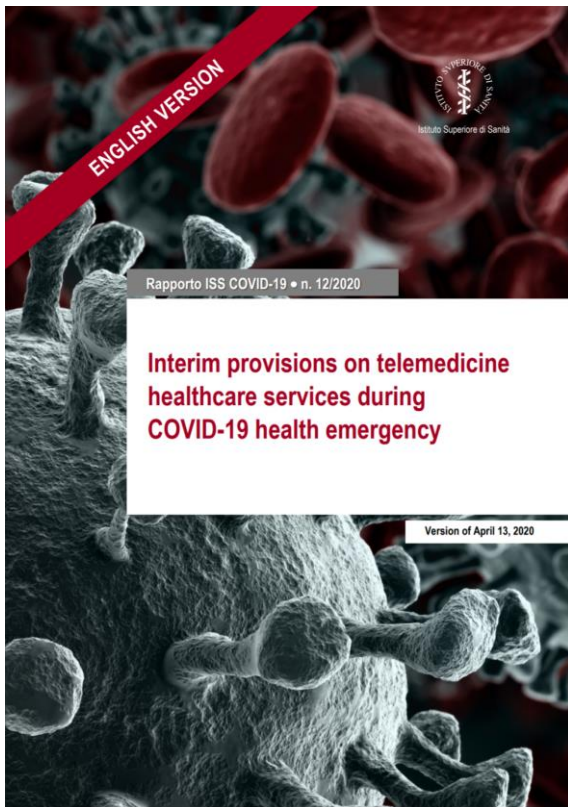


Paths for development

- **SUPPORT LOCAL PROJECTS** : the Centre works on demand as consultant for local public healthcare organizations to support the construction of new services
- **COORDINATE NATIONAL INITIATIVES**: National Groups of Study addressed to debate specific issues and elaborate steering national documents to face them
- **DEVELOP PROFESSIONAL COMMUNITY** : allocate resources to make sharing experiences possible (web tools, conferences, training courses, publications)

Strategic goals

- **Development of ITALIAN TELEMEDICINE MODEL**
- **Promote international collaborations**



DIGIT: COVID 12 TELEMEDICINE ENGLISH



italiano ▾ Accedi →

Istituto Superiore di Sanità Seguici su

Ricerca

Chi siamo ▾ Temi ▾ Attività ▾ Servizi ▾ Pubblicazioni ▾ Sala stampa ▾ ISSalute Amministrazione trasparente Bandi di gara

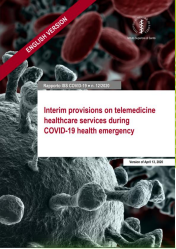
ISS per COVID-19

Procedure per richiesta produzione mascherine

Istituto Superiore di Sanità

86 anni di attività | 4 premi Nobel | +2300 persone | +80 brevetti

ISS in numeri



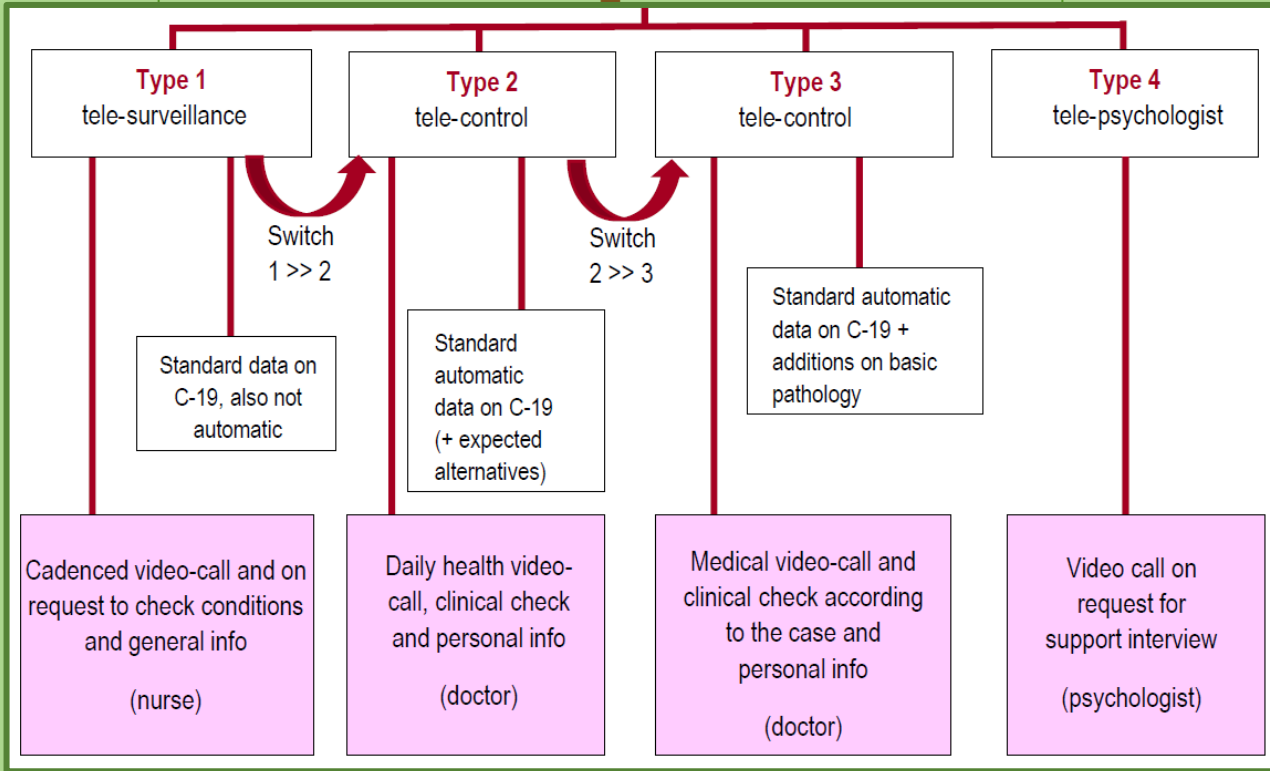
Interim provisions on telemedicine healthcare services during COVID-19 health emergency

COORDINATION OF THE SERVICE

Professionals contact all the people in the area of jurisdiction who are in a position to use remote services (situations A, B and C).



People are informed about the service.
The digital technology in their possession and their connection possibilities are identified.



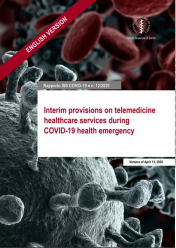
Objective sign to measure	Measuring instrument	Recommended measurement frequency
Body temperature	Thermometer	2 times a day
Respiratory rate per min.	Wearable sensors (Bluetooth LE or other automatic online transmissions) or manual counting	4 times a day
Heart rate	Digital frequency counter (Bluetooth LE or other automatic online transmissions)	4 times a day
Peripheral oxygen saturation (+ heart rate)	Digital pulse oximeter (Bluetooth LE or other automatic online transmissions)	4 times a day; it may be helpful to detect oxygen saturation much more frequently, if necessary
Systolic and diastolic blood pressure	Automatic digital sphygmomanometer (Bluetooth LE or other automatic online transmissions)	According to medical indication
Cardiac electrical activity	Digital ECG (Bluetooth LE or other automatic online transmissions)	According to medical indication

Flexibility can be organized starting from medical procedures better than technological innovations

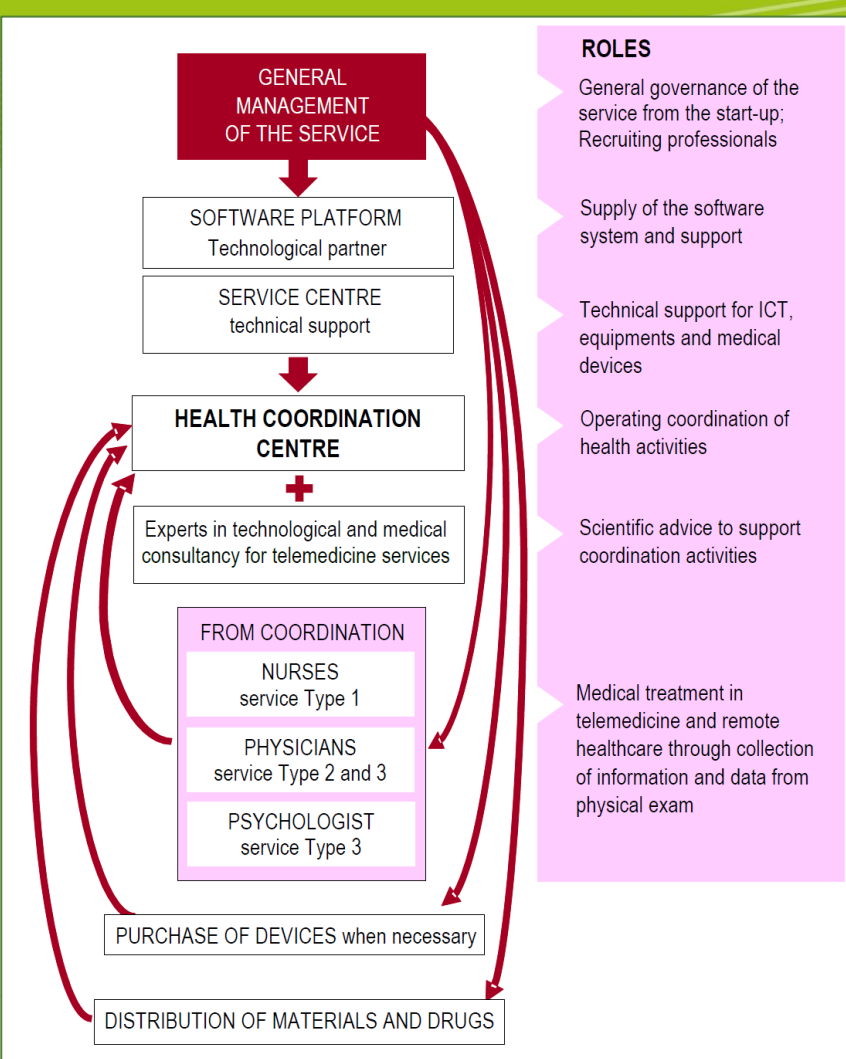
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Increase of trust (professionals)

The trust of patients comes from the relationship with physicians overall

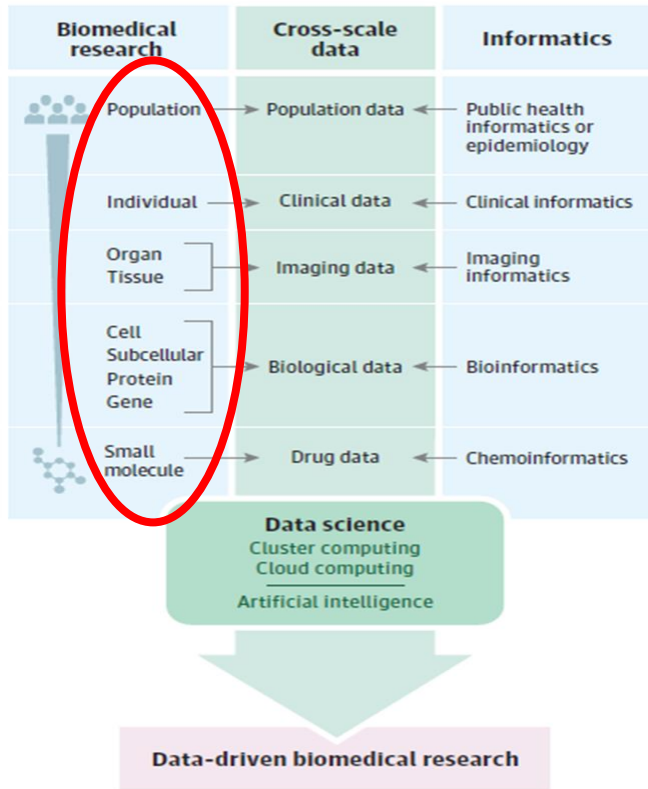


Interim provisions on telemedicine healthcare services during COVID-19 health emergency



Organization scheme of the Telemedicine system for COVID-19

Figure 1. Biomedical Research and Informatics Approaches in Artificial Intelligence



JAMA. 2018 Sep 18;320(11):1103-1104. doi: 10.1001/jama.2018.8211.

JAMA FULL TEXT

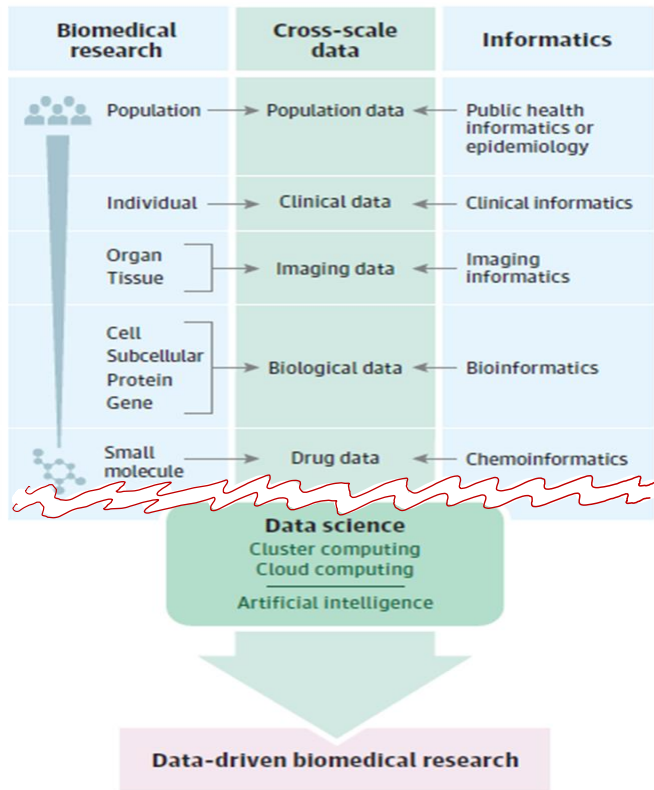
Informatics, Data Science, and Artificial Intelligence.

Zhu L¹, Zheng WJ¹.

Author information

¹ School of Biomedical Informatics, University of Texas Health Science Center, Houston.

Figure 1. Biomedical Research and Informatics Approaches in Artificial Intelligence



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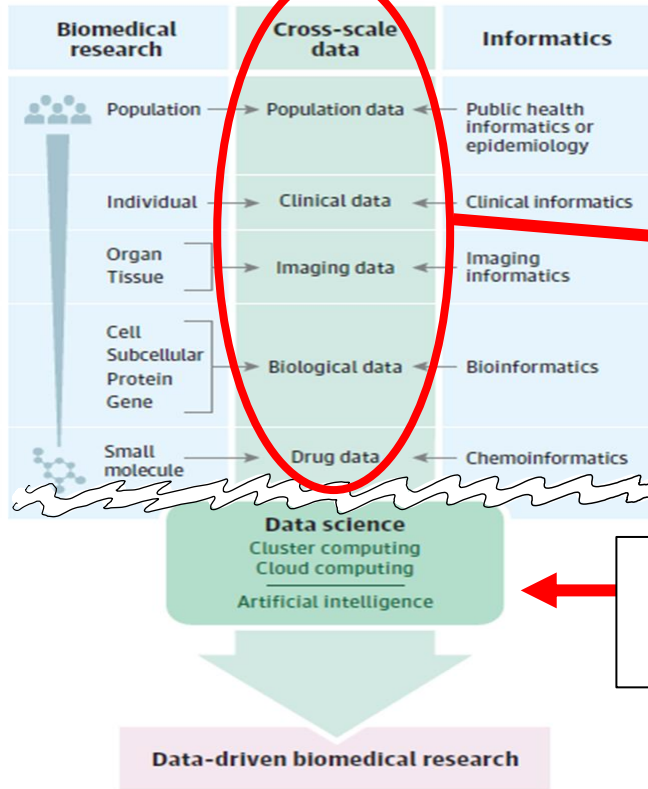
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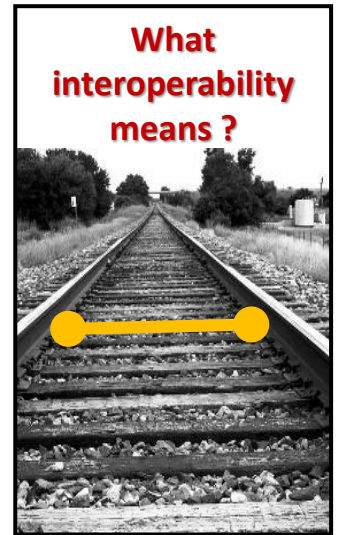


Internet of Things

- Certifications for Medical Devices (app ?)
- Broadband (mobile ? 5G ?)
- Interoperability Platforms

Real provision of Telemedicine services

**Laws (National / Regional ?)
Medical Guide Lines (Trials ?)
Technical Standards**



What interoperability means ?

ACCESSIBILITY, EQUITY, AND HEALTH SAFETY
FOR ALL PERSONS DESPITE COVID-19 AND AFTER IT



Thanks...

Please, if you have an idea
do not hesitate to contact us.

Together we will find a way to collaborate.

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