

# Pharaon: Our fast reaction to Covid-19

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Terzo Webinar del Pilot Italiano- Le tecnologie assistive nel futuro dei servizi sociali

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# Il pilot Italiano: i siti pilota di Toscana e Puglia



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

**DIEF**  
DIPARTIMENTO  
DI INGEGNERIA  
INDUSTRIALE



**UMANA  
PERSONE**

IMPRESA SOCIALE RICERCA E SVILUPPO

TUSCANY



APULIA



Samaritan, Fondazione Marmo donation  
 Pronto Badante, Tuscany Region  
 Pharaon project (H2020)  
 CloudIA project (Tuscany, POR CREO FESR 2014-2020, CUP 165.24052017.112000015)  
 SI-ROBOTICS project (Italian M.I.U.R., PON – Ricerca e Innovazione 2014-2020 – G.A. ARS01 01120)



REGIONE PUGLIA



REGIONE  
TOSCANA

Refinement of needs,  
expectation toward  
assistive technology.  
Identification of barrier  
on the adoption of  
technology to face the  
emergency

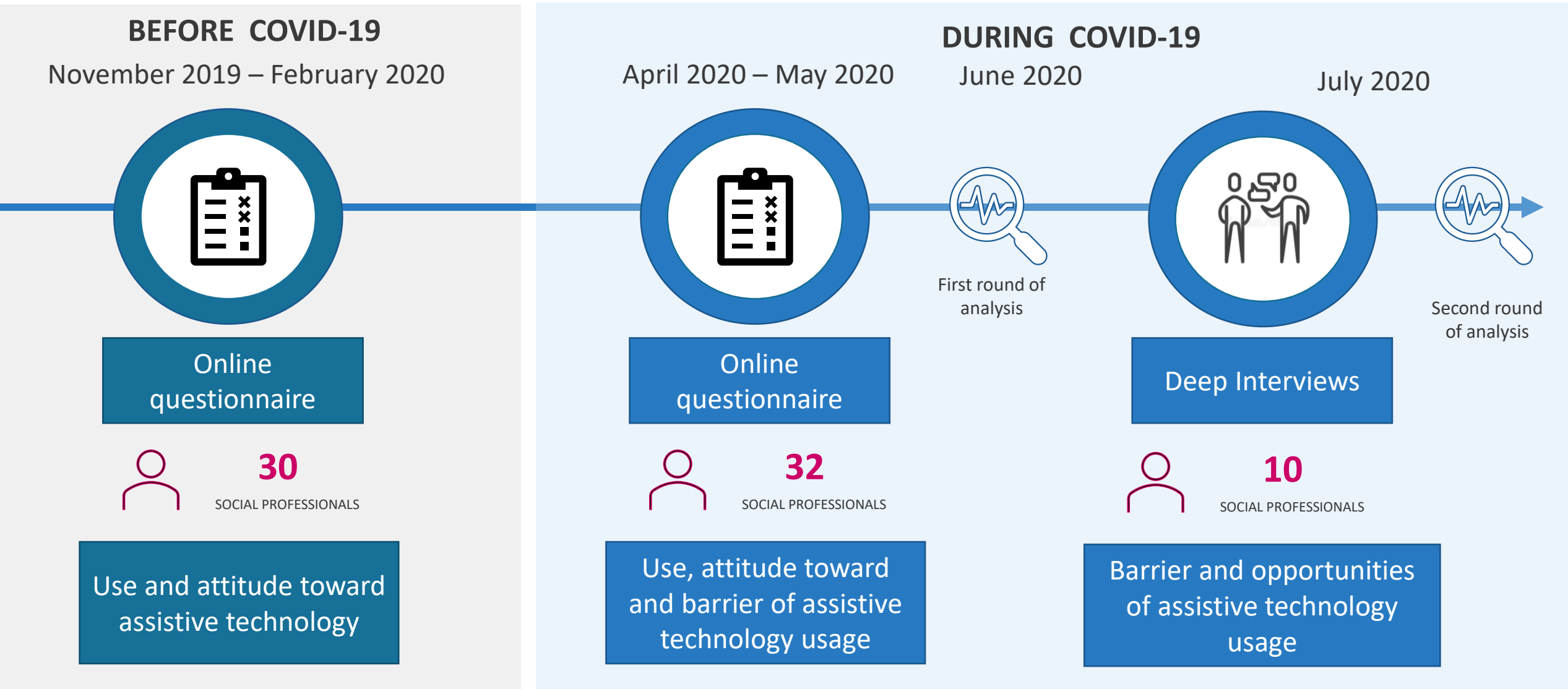
Analysis  
of needs  
& barriers

Fast  
Pilot

Fast deployment of 4  
services based on  
assistive technology to  
face the emergency

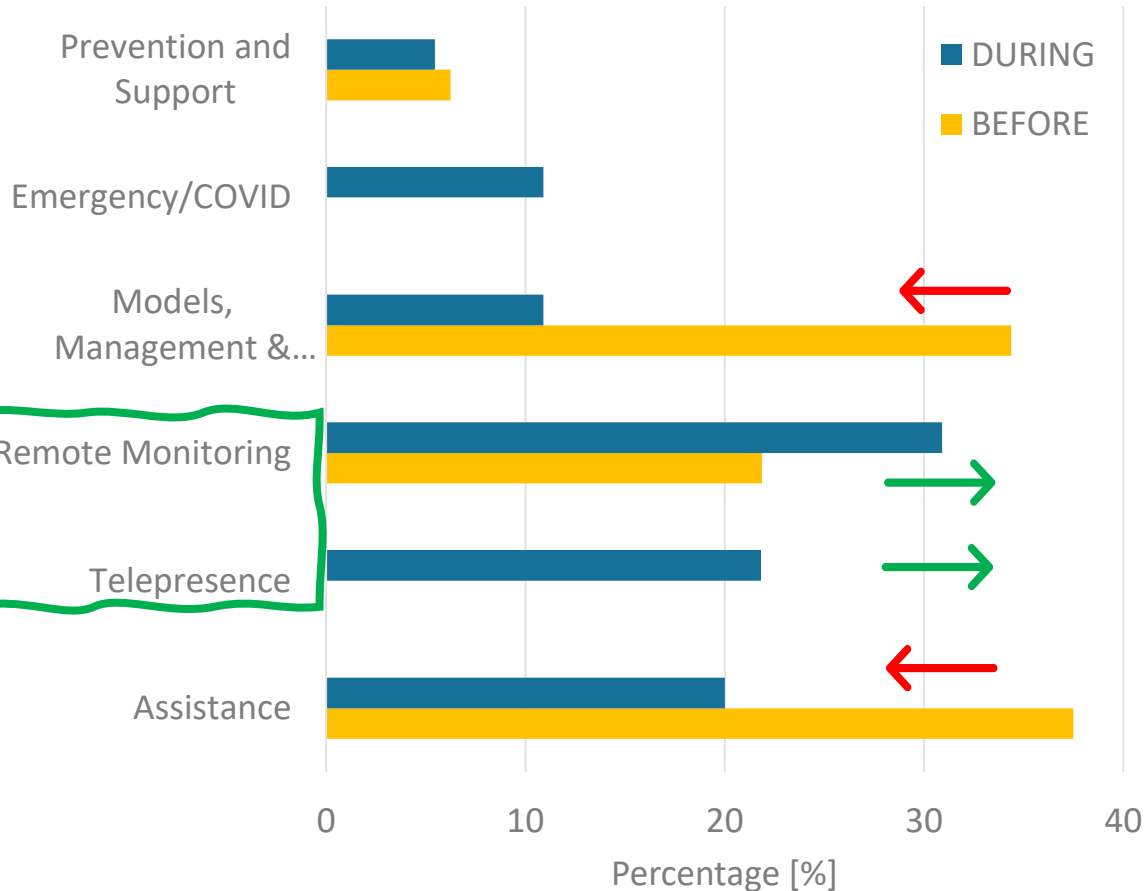
# Pre- and post- covid-19 emergency: barrier and limitation on the use of the technology

How the covid-19 shapes our needs, expectations and experiences about the technology

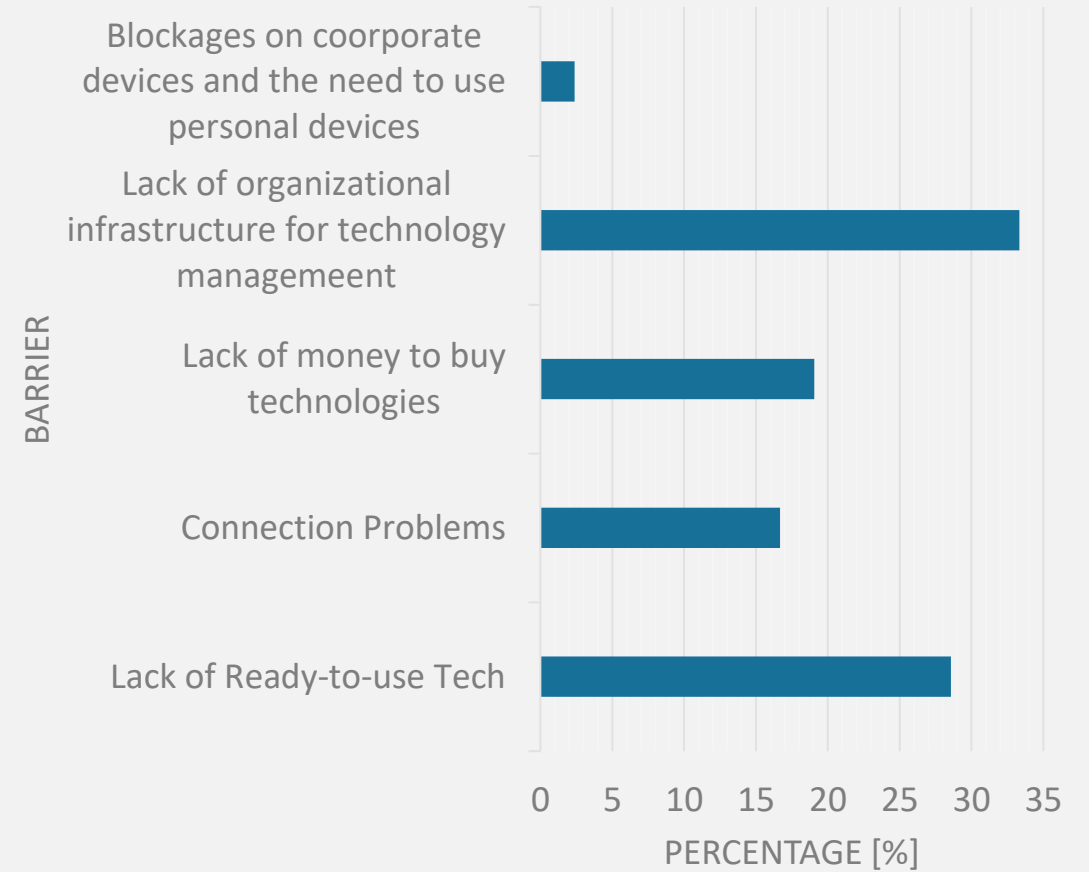


How the covid-19 shapes our needs, expectations and experiences about technology

## EXPECTATION & NEED



## BARRIERS



What do social operators think about the future?

**Do you think that we can come back to an assistance situation which is the same of the one before the emergency or it is necessary to include some changes in the way we model the services**

**9.52% YES**

**90.48% NO**

- Guarantee the high-quality service for older citizens (home/care facility/ hospital)
- Avoid isolation and guarantee social relationship
- Reduction of virus transmission – Cleaning & Disinfection

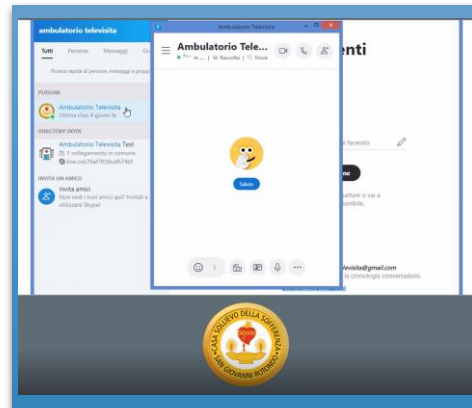
## Telepresence



Tuscany Pilot (UP, UNIFI)

Thanks to: CloudIA Project and Pronto Badante

## Video Consulting



Apulia Pilot (CSS)

Thanks to: Regione Puglia (outpatients service reimbursement)

## Telemonitoring



Apulia Pilot (CSS)

Thanks to: Zucchetti for Zcare platform and DIA s.r.l. for pulseoximeters

## Sanification



CORO, SSSA, Massa Hospital

Thanks to: Samaritan project, funded by ARTES4.0 (DIPE)

# Fast-pilot: our story

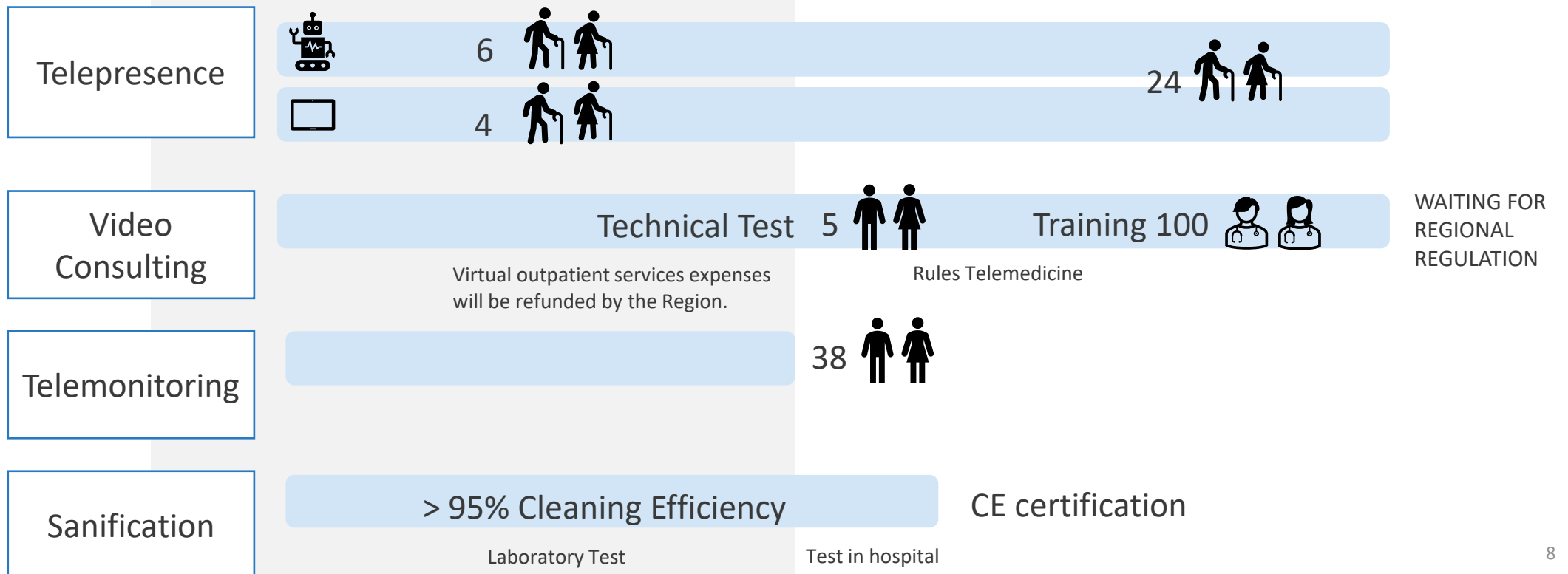
Story line, phases, participants and achievements

11.03.2021 WHO declare the pandemic emergency

September 2020: Check- Point

March 2020: Fast pilot conceptualization

March 2021: Check- Point





## Telepresence

- Highly accepted service
- Robot more usable than the tablet
- Extended service to promote social contact
- Improved at-night surveillance
- Reduced use of PPE

## Monitoring

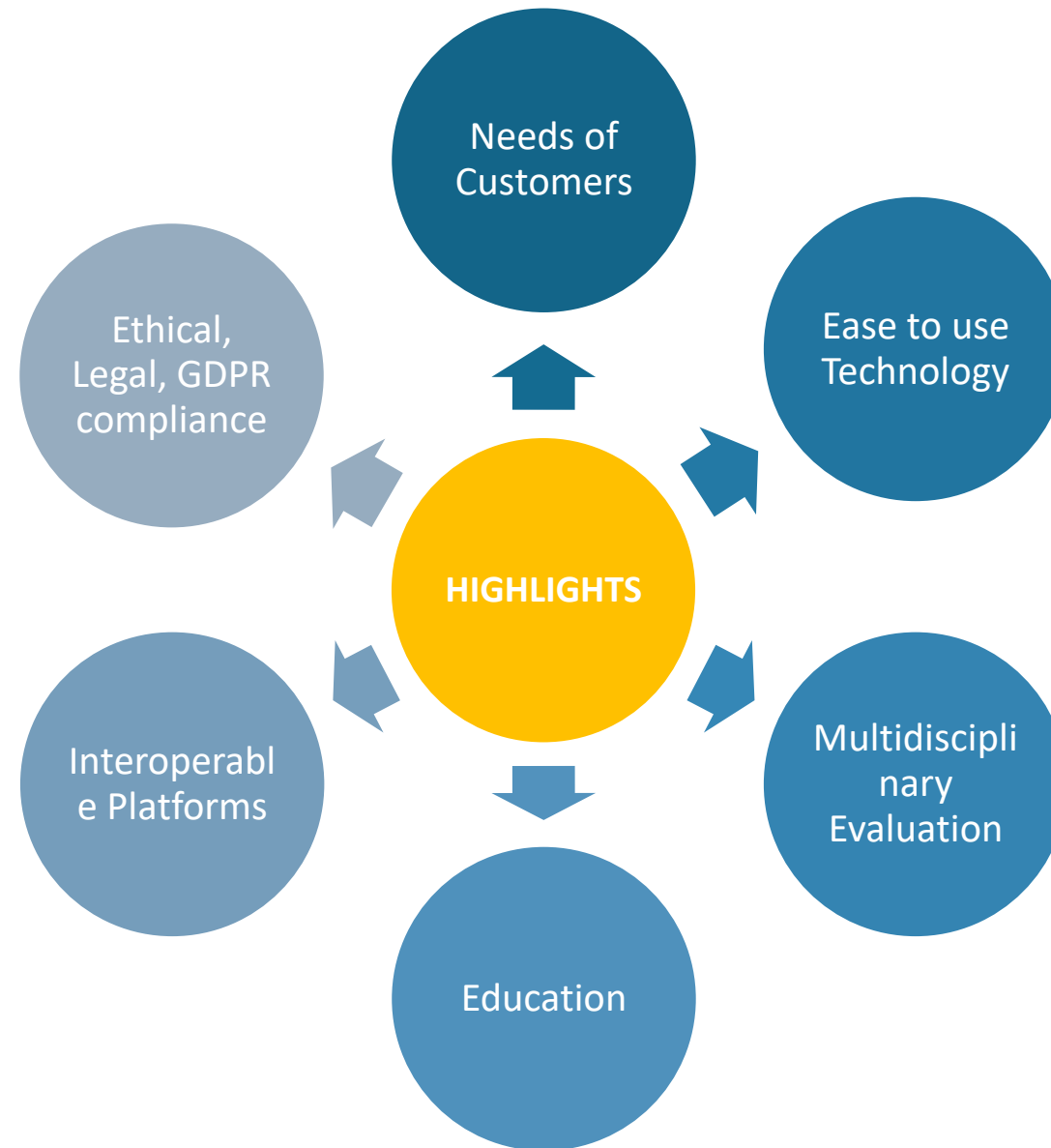
- Low adherence to the service
- Re-hospitalization is very rare
- Different use case can be planned

## Virtual Consulting

- Developed to be included in the current clinical practice
- Compliance with GDPR
- Waiting for Italian Telemedicine Guidelines

## Sanification

- Obtained certification
- Demonstrated cleaning efficiency
- Mobile robot is better than static UV-C lamp
- Well-accepted service



# Open Questions

