



# EUROPEAN INNOVATION PARTNERSHIP on Active and Healthy Ageing

ATHENS



## "COVID-19 Pandemic and Home-based Integrated Care for vulnerable populations"

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# The Current Need

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- The need to triage and treat large number of symptomatic patients or self isolated suspect cases, from a distance
  - Protection of the vulnerable population (elderly or/and comorbid) from infection, looking for health care services in the places of their delivery
  - Creation capacity in hospitals and reduction of the hospital staff burden
  - **and more importantly mitigating the danger of converting hospitals into sources of virus transmission to patients and staff (e.g. Northern Italy).**
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# Rationale

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The above aims can only be achieved by the implementation of innovative healthcare models and practices, enabled by the adoption of today's smart digital technology possibilities.

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# STAKEHOLDERS

## PUBLIC SECTOR



**Sotiria Hospital / 1<sup>st</sup> RHA  
of Attica**

## ACADEMIA

- Medical Schools of Athens and Thessaloniki
- Technical Universities of Athens and Western Macedonia
- Nursing School of Western Attica



## SOCIAL SECTOR



**Municipality of Athens**

## SCIENTIFIC SOCIETIES AND NGOs



**HL7 Hellas**

# Beneficiary patients

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- 1) Outpatients with mild symptoms indicative of COVID-19 infection, especially frail elderly and multimorbid patients. It is estimated that it will be the largest group in countries with a rather small availability of the PCR tests.
  - 2) Outpatients with a confirmed (laboratory) diagnosis of COVID-19 infection with mild symptoms
  - 3) Healthcare workers with high-risk exposure to COVID-19, when isolation and active monitoring at home is required.
  - 4) Non COVID-19 multi comorbid patients, who are, nevertheless, in need of Integrated Care and may be early discharged to grant their hospital bed to coronavirus patients under this critical condition.
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# Beneficiary service providers

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- **Support to front line / primary health care professionals**
  - **Home Care (proactive telecare) support**
  - **Digital Assistance for specific Community support points (eg. Municipality hubs**
  - **Care Homes**
  - **Direct care / Supported Self-Triage of suspects and personnel.**
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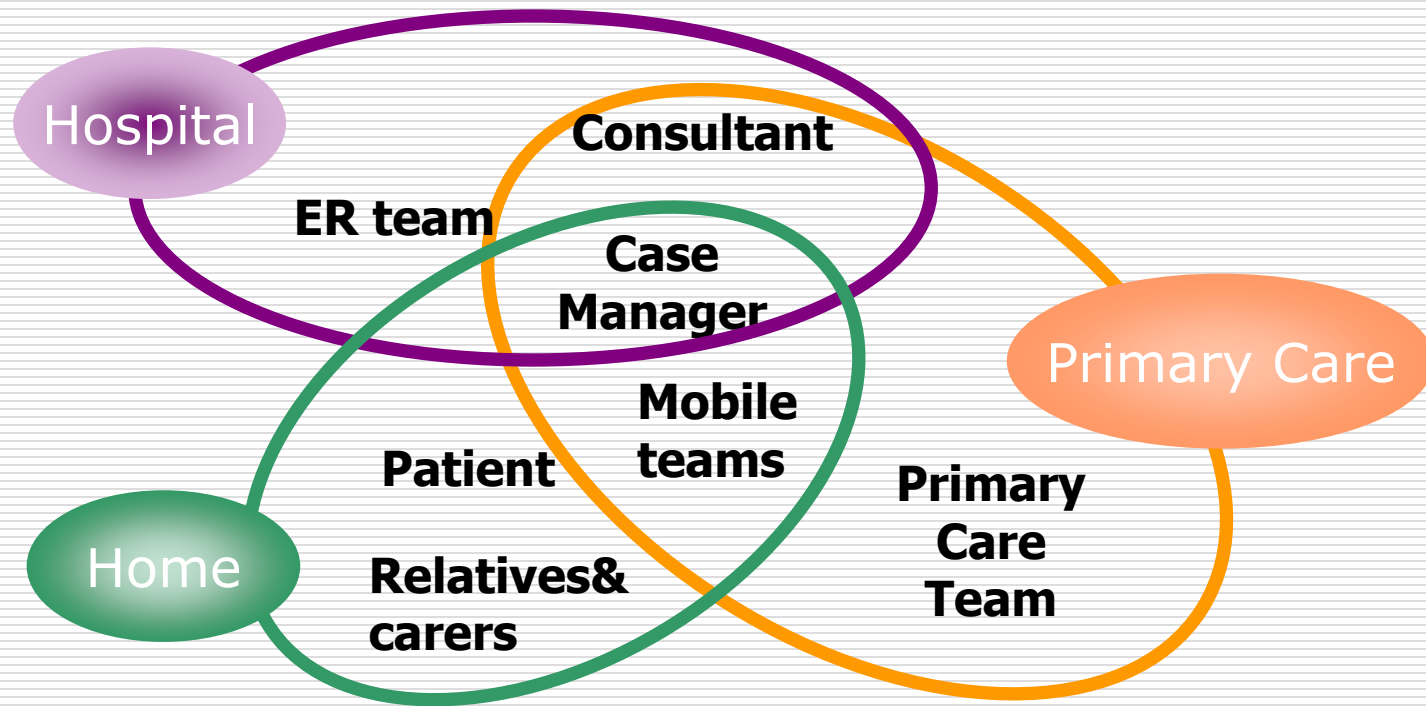
# Services to Vulnerable patients

- Supported remote triage
- ICT supported remote monitoring and home based Integrated Care for the whole health problems (Patient's summary, remote follow up, critical bio-parameters transmission (oximetry etc), comorbidities management, communication and coordination horizontally and vertically.....etc)
- Psychological support / empowerment / everyday' s problems solving
- Home care teams support, specific guidance and empowerment



# Integrated care

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# Technologies

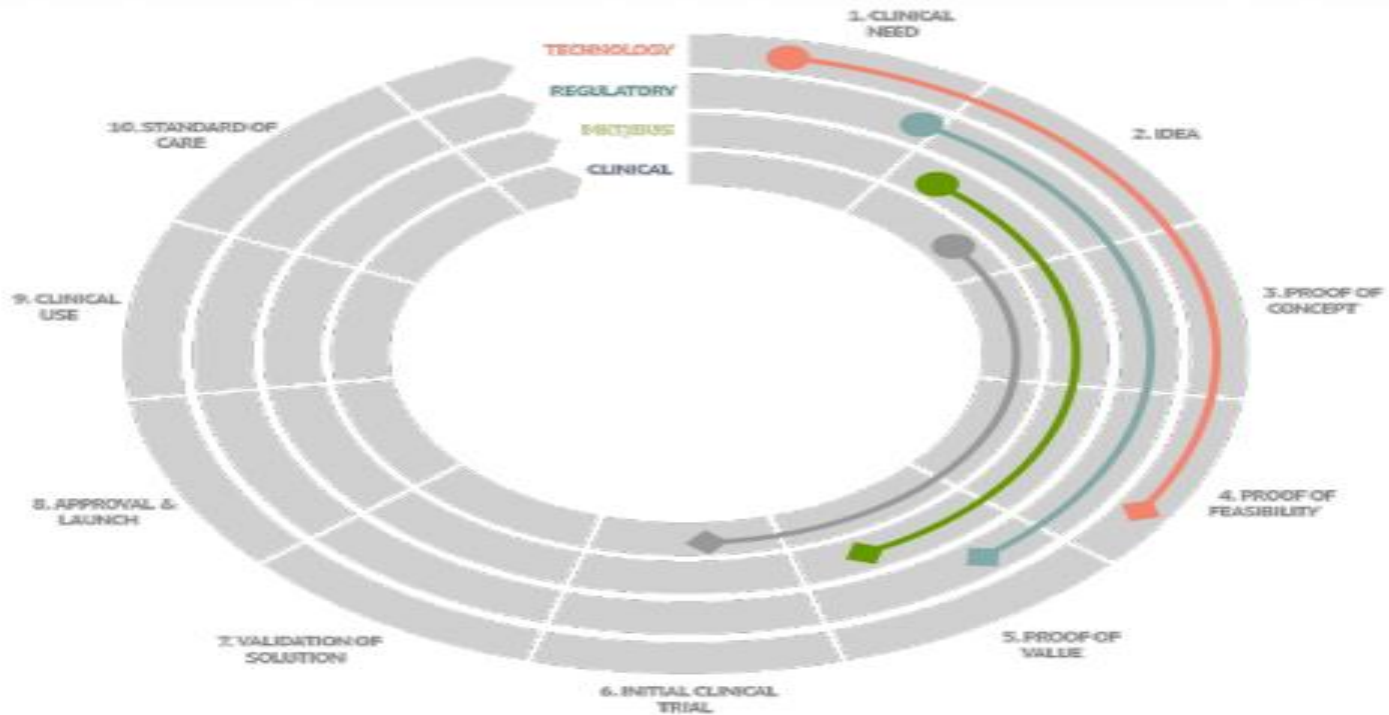
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- audio/video-conferencing,
- secure messaging,
- electronic scheduling,
- analytics and reports (AI)
- billing and online payment,
- image and files uploads,
- integration with EHR systems, and
- e-prescribing.
- Integration with peripherals



# Maturity

## CIMIT Maturity Innovation Template



# Fighting the barriers

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- Legal and safety issues
  - Leadership. Clinical, technical and administrative leaders are needed to develop the appropriate strategy for implementation under the current or in development guidelines.
  - Training. Specific training issues of the staff, MDs, administrators and patients
  - Operational: Quality criteria of the consulting personnel, specific protocols, durations, specific documentation templates, billing codes
  - Reimbursement and sustainability issues
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# Expected outcomes

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- Sharing and coordination of the burden in the primary and social care sector empowering their roles, while **keeping the hospitals “clear”**
  - Cost effectiveness in direct and indirect expenses.
  - Introduction of critically innovative practices that “come to stay”, as is the case of chronic patients. **The Covid-19 crisis may be proved as a unique opportunity for the ICT enabled Integrated Care to have a great push in reshaping healthcare delivery.**
  - Alignment with the achievements of our country in the successful management of the pandemic and may be useful for taking also care of the visitors to Greece needs next summer
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# Many thanks to ECHAlliance

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They gave me the opportunity again, as in last December in Helsinki, when I represented the Greek Ministry of Health, so that I may repeat this way the message **"Greece is back"**



**THANKS**

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