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EUROPEAN
AGEING
NETWORK

EAN DIGITAL SUMMIT

Věra Husáková Czech Republic

Goal: To identify innovative solutions and the current play. This template is developed for pitches (short presentations of each EAN member of 15 minutes max , 2-3 slides) in order to compare and to focus.

April 27th, 2023

MALTA

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1. Current state of play

A. What is the member state's vision on digitalization in long-term care?

There is currently no vision of long-term care in the Czech Republic

B. What is the long-term care sector vision on digitalization?

There is currently no vision of digitalisation of long-term care in the Czech Republic

C. What kind of (educational) programs are being offered to careworkers, in order to make them sufficiently skilled to work with digital tools?

Iresoft , the company that runs the Cygnus programme for social service providers, offers online and face-to-face courses for employees on how to use the programme

Online courses for workers and seniors in three modules:

1. Devices, Internet & Applications;
2. Online communication, entertainment & health;
3. Online Safety.



Click on the following link to find the e-learning platform <https://elearning.ict4elders.eu/> in all partner languages (English, Czech, Greek, German).

2. Primary Use

- How many care providers work with electronic patient files?
80% (social providers)
- Which national standards exist for the interoperability of electronic patient files?
?
- How is the data of the electronic patient file (if compliant with the GDPR) *technically* accessible for other care providers e.g hospitals or gp's ? If not, why not?

Currently there is no possibility to share data electronically between the social and health sector or within the sector. There are both legislative barriers and non-existent infrastructure.

- Is, and to what extent, a personal health environment* implemented?

no

(currently there is separate social and health documentation for each provider. Health insurance companies then allow access to documentation - care billed by the insurance company)

3. Secondary Use

- Do care providers deliver patient data for secondary use (e.g research and development, benchmarking etc) and if yes, how?

If there is need yes

- Is it compulsory and useful and if yes, how is it useful?

only random surveys, questionnaire surveys

- Are patient data being exchanged cross-border and if yes, how?

NO

4. Technology and digital tools in LTC

Explanation for the upcoming slides:

- Which technology and/or digital tools are introduced in your country, and to what extent are they being implemented?
- You don't have to describe all, just the ones that you find important/interesting/expending (especially new technologies, also pilot projects, etc.)

Examples:

Medication dispenser, Telemonitoring, Smart diapers , Fall prevention (Hip Airbag), Fall prediction, Screen Care or Smart glass, GPS-tracking (life circles), Pressure injury risk prediction, Telemedicine, Robotics, others

4. Technology and digital tools in LTC

SMART SOLUTIONS OF CARE FOR THE ELDERLY

- The aim of the project is to involve smart technologies in the care of seniors for improving their quality of life and reducing caregiver burden for both informal home care and in residential facilities.

PROJECT FINANCING:

- Partly project developers
- Grant Agency - Technological Agency of the Czech Republic

Monitoring of time in/out bed in order to recognize day patterns and decreasing/increasing time in a bed
Monitoring the change in position is important from the point of view of preventing pressure ulcers (decubitus)

- Bed-exit / fallalarm (Pic 2 – loudalarm)

- Vitalsignsmonitoring:

- Heartrate
- Respitaryrate
- Respiratoryissues
- Sleepingpatterns



4. Technology and digital tools

- Furthermore, what are innovative new technologies/tools (Rising Stars) in your country (take into account the criteria)?

Medication dispenser, Telemonitoring, Fall prevention, Fall prediction, Screen Care or Smart glass, GPS-tracking, Telemedicine, Robotics solution for catering, cleaning, others

- What are the reimbursement schemes for these tools?

There is plan to reimburse telemedicine

- Are these tools (partly or fully) funded by programs under the Recovery & Resilience Fund* and if so, how do you apply for the funding?

4. Technology and/or digital tools



HEALTH & CARE

- eHealth
- eReceipt
- eVoucher
- eSocial dokumentation
- TLM & remote patient monitoring
- Resident safety
- Increase residents' and families' involvement in
- Komunication tools
- Application for service
- The procedure for granting care allowance



CATERING

- Preference catering solutions:
- Distribution
- Preparation
- Cleaning
- Energy optimalization
- warehouse management
- purchasing process
- menus
- ordering system
- waste management
- HCCP online system
- Nutrition



HOUSING & LIVING

- Cleaning automatisation
- Facility agenda
- Client & nurse solutions
- Improve energy management of existing buildings and new buildings



PROCESSES

- HR Agenda
- Payroll, planning, onboarding, offboarding, recruiting, education, ...
- Internal procedures and guidelines
- Contracts
- Invoices
- Applications and applicant records
- The reporting of social data services

4. Technology and digital tools

- What are the main obstacles for implementation of digital tools?
(please rank from biggest to smallest obstacle)
 - *Lack of vision*
 - *Legal issues*
 - *Lack of workers skills*
 - *Lack of funding*
 - *Ethical/moral issues*
 - *Other*