



# Cooperation Programme INTERREG V-A “Greece – Bulgaria 2014-2020”

**Project: “Improving access and quality of health services in inaccessible and remote settlements of the border region of Gotse Delchev Municipality and Municipality of Paggaio”, “Med4All”,**

## 9a Capitalisation Event

**1st October 2020**

*Presentation prepared by  
the Municipality of Gotse Delchev  
and the Municipality of Paggaio*



*The project is co-funded by the European Regional Development Fund  
and by national funds of Greece and Bulgaria*



## 1. General information

**Project “Improving access and quality of health services in inaccessible and remote settlements of the border region of Gotse Delchev Municipality and Municipality of Paggaios” ,**

**Acronym: „Med4All”**

**Thematic objective 09** - Promoting social inclusion, combating poverty and any discrimination.

**Investment priority (9a)** - Investing in health and social infrastructure which contribute to national, regional and local development, reducing inequalities in terms of health status, promoting social inclusion through improved access to social, cultural and recreational services and the transition from institutional to community-based services.

**Programme Specific objective 8: To improve access to primary and emergency health care (at isolated and deprived communities) in the CB area**



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## 2. Overall objective

# Overall objective of the project “Med4ALL”

**To reduce inequalities in terms of health status of local population by improve access to quality health care - primary care / outpatient care in difficult accessible/remote areas of the border region through introducing a telemedicine in cross-border region.**

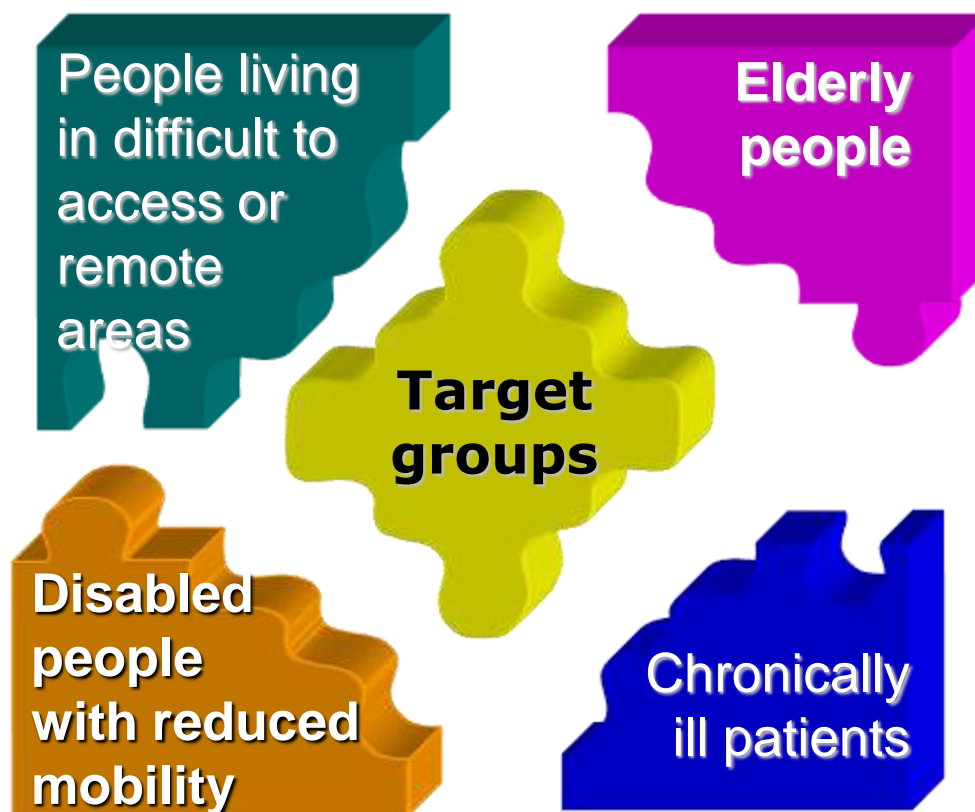


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### 3. Target groups





#### 4. Achieved results

**1. Providing and improving access to primary health care services for isolated and poor communities**

**2. Capacity building of medical personnel to use modern ICT in primary health care**

**3. Creating a cross-border institutional Partnership of outpatient hospital assistance from both sides of the border**

**4. Providing appropriate medical infrastructure renovated health centers and system for remote access to primary health services**



## 5. Overview of specific objectives

# Specific objectives of “Med4All”

### OBJECTIVE 1:

**Improving access to primary health care for people in hard-to-reach / remote areas, through renovation and equipment of health services and construction of technological infrastructure for telemedicine (repair and equipment of municipal telemedicine centers in cross-border municipalities and purchase of specialized vehicles - mobile primary aid stations)**



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## 5. Overview of specific objectives

### OBJECTIVE 2:

**To build the capacity of medical staff - doctors and nurses in the cross-border region to use the telemedicine system**

### OBJECTIVE 3:

**Establishment of a Joint Advisory Council of Primary Health Care Doctors on both sides of the border for coordination, prevention, surveillance and early warning and control of communicable, infectious and parasitic diseases of a cross-border nature.**





## 6. Results – Outputs - Indicators:

➤ Delivered and put into operation equipment and software for telemedicine in the Municipal Center for Telemedicine in Gotse Delchev (BG) and Eleftheroupoli (GR). Delivered 2 pcs. mobile telemedicine kits and 3 sets;



➤ Delivered 2 pcs. mobile stations for primary are (specialized bus and vehicle);



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### All-in-One Health Terminal



### Optional Function

- PEF
- Height & Weight
- Motion Sensors
- Powerful Extended Functions
- POCT(HIV / AIDS, Hepatitis B/C/E, Syphilis, Tuberculosis (TB), Pneumonia Chlamydia, Thrombosis, Drug Detection, Cholesterol)





## 6. Results – Outputs - Indicators:

- Repaired and equipped health infrastructure for primary health care of the Local Health Services in hard-to-reach places - in the villages of Breznitsa and Lazhnitsa (BG) and in remote places in the Municipality of Paggaio - in the villages of Georgiani and Nea Peramos [*relocation*] (GR)
- Performed 1000 examinations of patients in the period January - March 2020 with the use of telemedicine in Gotse Delchev area.



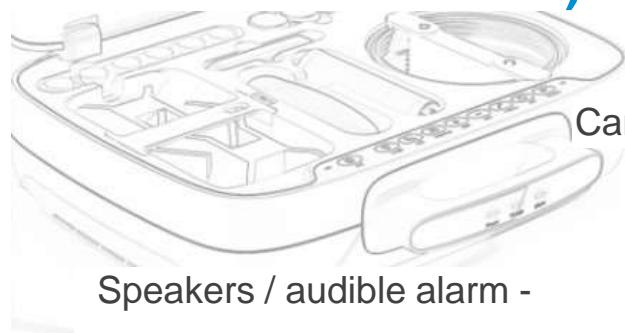
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# Mobile health terminal

(procured in Gotse Delchev)



Speakers / audible alarm -

Camera

Accessory compartments  
Buttons for specific functions  
Handle and microphone



## Features

GPS Wireless  
communication - Wi-Fi,  
3G / 4G, Bluetooth

ECG cable compartment

Ventilation openings



## 7. Functioning of the telemedicine system in the cross-border area

### Telemonitoring:

- The telemedicine service aims to monitor the health of patients without visiting the municipal center;
- Reliable transmission of medical data and information through text, sound, images or other forms necessary for the prevention, diagnosis, treatment and follow-up of patients;
- Automatic data collection, processing and transmission.



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## 7. Functioning of the telemedicine system in the cross-border area

### Telemonitoring:

- Supports the monitoring of chronic diseases;
- Allows early detection of symptoms of diseases and deteriorating health indicators;
- Contributes to the taking of preventive and corrective measures;
- Reduces the frequency of visits to the doctor;
- Improves the quality of life of patients.





# Advantages - residents

- Equal access to health information and advice;
- Possibility for constant contact with the personal doctor;
- Reduction of transport costs;
- Daily condition monitoring and timely actions.



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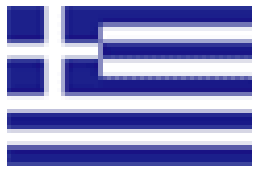
# Advantages - medical staff

- Electronic volume of data;
- Possibility for visual contact with the patient;
- Strict control and prevention;
- Costs are reduced and time is saved.



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# Advantages - Municipality

- Improvement in health services for residents;
- Optimization of communications between the population from remote settlements and the municipal administration;
- Facilitated remote access to electronic services by residents



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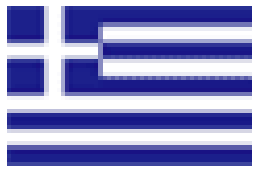




# Application

Focusing on professional solutions, the focus is on providing preventive measures in medical care in settlements in remote areas. Telemedicine facilitates the examination, the contact between the doctor and the patient, giving the opportunity for economic relief / reduction of the cost of medical services / from the saved time for both parties - which is one of the expected results of the project.





# Achievements

## Technical effect

The terminal provides a complete cycle of collection and management of the health database from the city and rural areas.

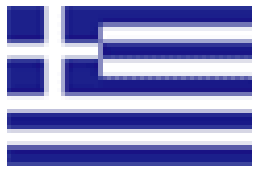


## Social effect

### The terminal solves two problems:

1. Lack of medical devices and lack of qualified medical professionals;
2. Significantly increases the identification of patients with chronic diseases;





## Equipment procured in Paggaio

- Echograph with four (4) Transducers;
- Orthopantography Device (1);
- Defibrillators (12);
- Autoclaves (2): 18L / 85L;
- ECG 6-Channels (3);
- Dentist Chair Set (1);
- Vehicle for medical and social services (1);
- Telemedicine system (3 sets),  
suitable also for outdoor emergencies  
*(robust devices with 3 subsets each, functioning together  
or autonomous with continues communication  
between them, live data transmission, Defibrillator unit,  
monitoring several vital functions and colour monitor unit);*





## Equipment procured in Paggaio

- Digital Panel (1) for the x-ray room;
- Medical examinations chair-bed (2) for the emergencies;
- Medical examinations chair-bed (1) for the gynecologist;
- Medical examinations bed (1) for the pediatrics;
- Blood sampling chair (1) for the microbiological unit;
- Mobile analog blood pressure meters (3);
- Set of surgical tools of micro-surgeries (1 set of 150 items);
- Set of dentist's tools (1 set of 150 items).





# Indicators

- Number of health care institution reorganized, modernized or reequipped 1
- Number of health ICT system developed 1
- Population covered by improved health services 45 154





## 8. Obstacles & problems

**Need for approval of the telemedicine system by the relevant national authorities** / required in the process of implementing the grant contract / although the project concerns primary health care and local health services accompanied by additional bureaucratization of the project implementation.

**Revision of the Legislation in Greece** between application and implementation, causing delays in approval of equipment for procurement

**Pandemic COVID-19** caused delays in the set of examinations of population in Paggaio



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## 9. Sustainability and transferability

The project results are sustainable as the achievements are in operation (*new / rehabilitated facilities and equipment*), while the medical examinations assisted citizens.

The cooperation model of communication of the partners and long-lasting relationships, ensure potential for future cooperation.

The project preparation procedure and *the cooperation model of the JS/MA and the PB2 with 4<sup>th</sup> YPE (GR)*, to comply with the revised legislation in Greece, is a successful practice of cooperation.



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## 10. Recommendations towards the planning of the 2021-2027 Programme.

**1) Synchronization at institutional level with the relevant national institutions of the objectives, interventions and types of activities of the Programme at the preparation stage.**

**2) Ensuring timely coordination between the relevant national institutions (on approval), the partners and MA/JS on all issues related to the projects at the implementation stage.**

**The implementation of these measures will reduce the bureaucratic burden for the project partners and JS and will ensure a smoother implementation of the Program as a whole.**



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# Thank you for your attention!



Tomorrow never waits

