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olution to process daily life atient data captured by nobtrusive sensors to enable otimised personalised eatment, assessment of health utcomes and improved quality f life in chronic obstructive ulmonary disease patients.

he TOLIFE approach to chronic obstructive pulmonary disease anagement, targeted to predict and mitigate exacerbations an ontinuously assess the health outcomes, has the potential to educe mortality, improve health related quality of life and reduc he healthcare costs.

DISCOVER MORE

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based solution able to smartly process daily life patient-specific data captured by unobtrusive sensor technologies for optimised and personalised treatment, prediction of exacerbations, assessment of health outcomes and improved quality of life in chronic obstructive pulmonary disease.

life patient-specific data to predict exacerbations and assess the health outcomes and to inform patients and caregivers on health outcomes, proposing treatment and lifestyle indications.

of daily life patient-specific data for supporting on going an future research on chronic obstructive pulmonary disease monitoring and management.

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cording to the survey on “Chronic Obstructive Pulmonary Disease in EUROPE” published by the TOLIF rtner EFA, it is estimated that over 80% of all COPD patients are managed by general practitioners.

e survey emphasizes that good coordination between general practitioners and pulmonary specialist critical for effective management of COPD patients. In Europe, it is estimated that there are around **5000** general practitioners and **19.500** pulmonary specialists, treating 44 million COPD patients. nsidering these numbers, it is clear how the **TOLIFE AI-based** approach has the potential to impact o uge number of professionals and to improve the quality of their work, with the final goal of improvin tient health and quality of life. In particular, the coordination between general practitioners and lmonary specialists will be highly increased with the possibility to follow remotely multiple patients.

nsidering the typical multidisciplinary team that has to follow a COPD patient, the number of users ached by **TOLIFE** grows considerably: specialists related to the multiple comorbidities, **COPD nurses**, **spiratory therapists**, **lung function technicians**.

clinical studies

TOLIFE, two clinical studies will be conducted

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PROJECT DETAILS

Project number: 101057103

Project Full Title: Combining Artificial Intelligence and smart sensing TOward better management and improved quality of LIFE in chronic obstructive pulmonary disease

Project Acronym: TOLIFE

Topic: HORIZON-HLTH-2021-DISEASE-04-04

Type of action: HORIZON Research and Innovation Actions

Granting authority: European Health and Digital Executive Agency

Duration: 54 months

Funded by the European Union

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