Empowering Patients with COPD Using Telehomecare Technology

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Patients homes

Health professionals

Sharing data enables the development and testing of new strategies for care and treatment
Aims of the project

• To prevent hospitalization and re-admission of people with COPD by promoting home based rehabilitation

• **To develop and test** new procedures and technologies for self-monitoring

• **To develop and test** new preventive forms of care and treatment for people with COPD in cooperation with actors across the health system

• To investigate the experiences, attitudes and insights of COPD patients and their relatives of telehomecare as part of their daily lives

• To explore the causal dynamics and changes in user-driven innovation in a health-professional network over time

• To investigate economic aspects of telehomecare
User driven innovation: Why?

• Involvement of the entire value chain (patients, relatives, health professionals, technology developers)
• Supports the development of technologies that are useful and user-friendly (both to patients and professionals)
• Supports the development of technologies that may serve more purposes (treatment, rehabilitation, patient education, self-care, the seamless health care system)
• Supports the development of associated organizational strategies and further education of health professionals
• A way to empower patients to live better lives with COPD
User driven innovation: How?

Data collection
ethnographic methods

Research and innovation process

Data collection
social science methods

USER PANEL

NETWORK-
LABORATORY
Problems and technical solutions
Portable health monitor
Outcome: Users

- Knowledge of COPD
- Insight into the perspectives of other participants, organisational aspect of COPD-treatment and developments in research and technology
- Exchange of experiences
- Collaboration – common cause - participate in and contribute to development of telehomecare
Outcome: Activities

• Newsletter (3 times yearly)
• Development of the Telekat-concept (patients as lead users + district nurses + Aalborg University)
• Materials for patient education
• Development of web based portal (continues at local health centre)
• Workshop on user driven innovation
Empowerment in health care

• Common aim of telemedicine:
  To empower patients to become more active participants in managing their own disease

• Common definition of empowerment:
  An educational process designed to assist patients develop knowledge, skills, attitudes, self-awareness necessary to assume responsibility for health-related decisions
Self-care as a moral ideal

- Utilitarian perspective: the increase of efficiency and cut down of costs
- Vertue ethics: the contribution to independence and autonomy

- Tension between self-care as:
  - a managerial tool (institutional perspective)
  - a way to handle everyday life with medical requirements and other values (patient perspectives)
Solutions

• telecare solutions that place self-monitoring and self-care in a context of professional support for developing strategies to take care of oneself

• telecare solutions that assist organisational and institutional developments of seamless care

• telecare solutions that assist the engagement of a community

• Paulo Freire: emancipation through educational processes that raise awareness of position and enable people to take joint action
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For further informations please contact:

See www.telecat.eu