



Health Literacy and COPD

Health literacy: characteristics and social resources people require to access, understand and use information to make effective decisions about their health and health care

Chronic Obstructive Pulmonary Disease (COPD): chronic lung disease characterized by shortness of breath and activity limitation

Lower health literacy is associated with poorer health outcomes in patients with COPD

Higher quality of life is associated with higher health literacy.

Goals of this project:

- 1. Determine the baseline health literacy needs of patients with COPD
- 2. Determine associations between health literacy and quality of life

OPHELIA Approach

OPtimising HEalth LIteracy and Access (OPHELIA) approach:

- Mixed-methods and patient-oriented methodology
- guides **identification of health literacy issues** unique to a specific setting
- supports development and implementation of relevant solutions

Phase 1

Identifying local strengths, needs andissues

Phase 2

Co-design of interventions

Phase 3

Implementation, evaluation and ongoing improvement

Health literacy data are collected from a representative sample of the target population. Data are presented to stakeholders for interpretation. Effective local practices and innovative solutions are identified

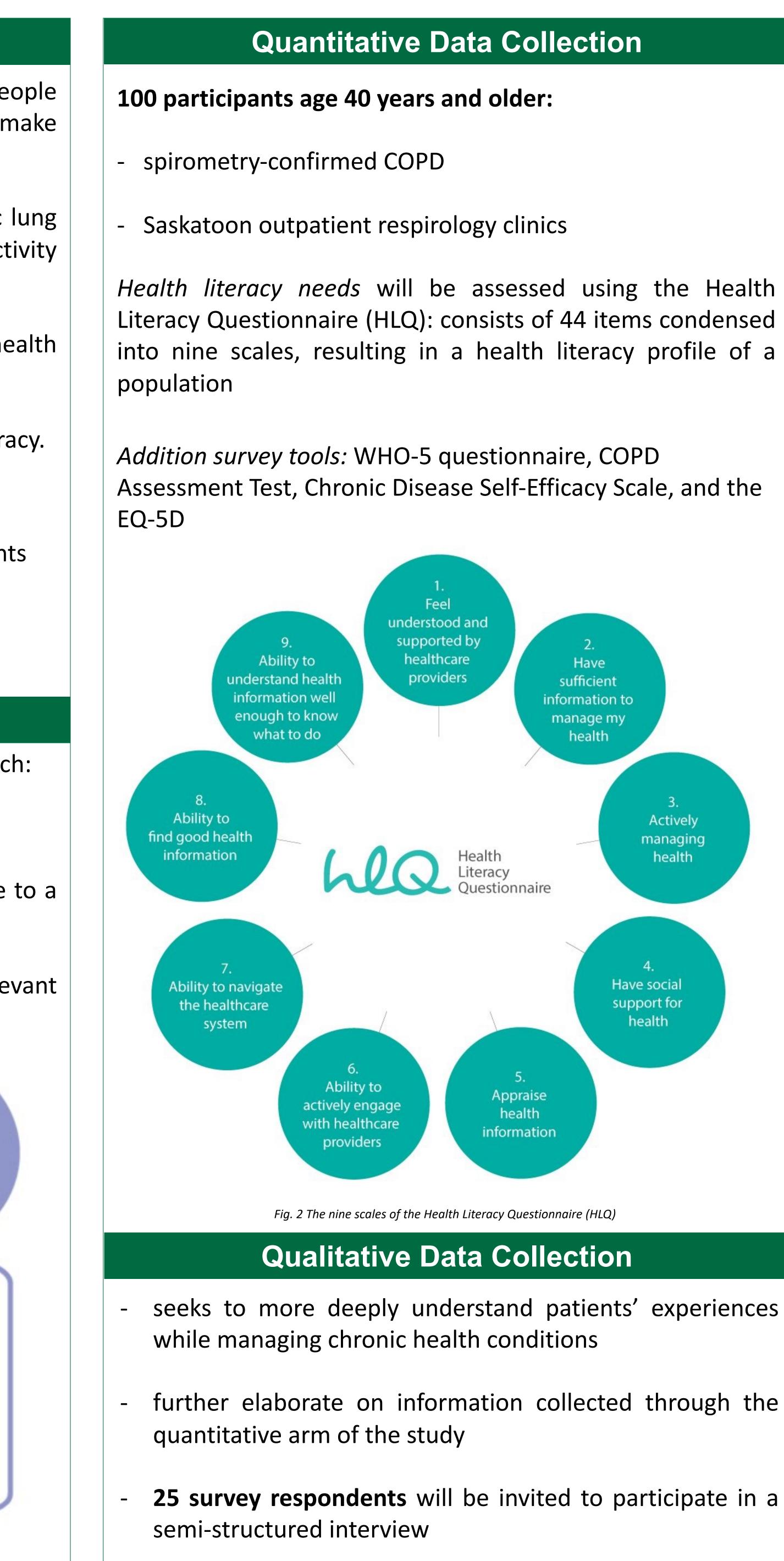
Local stakeholders make decisions about priorities for action. Interventions with potential to respond to local health literacy needs or improve information and service access are designed and planned

Health literacy interventions are applied as quality improvement cycles where organisations implement trials and actively improve the effectiveness, local uptake and sustainability of the interventions

Health Literacy Needs of Patients with COPD

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Data Analysis

- **Summary scores** for each of the nine subscales of the HLQ will be calculated for each individual, and for the sample population as a whole
- **Descriptive analysis and comparisons** will be used to explore the distributional properties of the quantitative survey data
- **Cluster analysis** will be performed to determine underlying sub-groups of patients
- **Regression** equations will be built for each of the nine HLQ scales
- Qualitative data from the interviews will be **thematically** analyzed using NVIVO software

Knowledge Translation Plans

By developing a more complete understanding of the health literacy assets and challenges among different subsets of these patient populations, we expect to develop targeted strategies that address needs in age-appropriate and scalable ways:

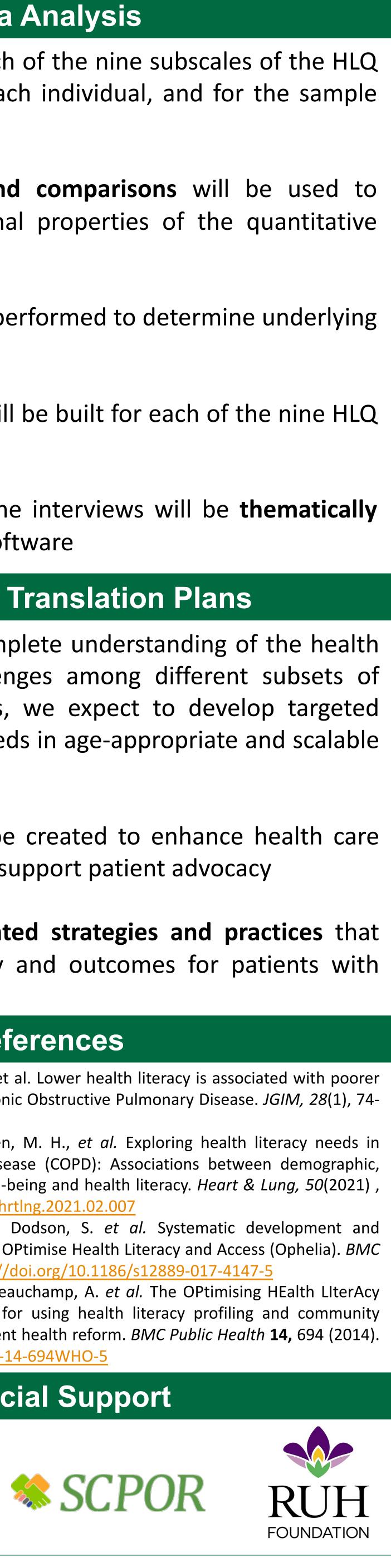
- **patient vignettes** will be created to enhance health care provider education and support patient advocacy
- improved patient-oriented strategies and practices that enhance health literacy and outcomes for patients with COPD

References

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