

Artificial Intelligence and anamnesis Results of a population survey

Background	Aim of the study	Methodology
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Anamnesis and physical examination We aim to fill a research gap by analyserve as the basis for the medical diag- sing the acceptance of Al-supported nosis. Insufficient anamnesis can affect procedures of anamnesis among the • Quota sample, n = 1,000patient safety. Digital anamnesis mepopulation in Germany. thods are increasingly being developed Moreover, the influence of relevant facand evaluated but have not yet been tors on the intention to use is analysed.

 Online population survey in Germany (realised by GfK/NiesenIQ)

widely adopted by physicians' offices in Germany. In the future, AI is expected to have great potential for development in digital medical history applications.

Two scenarios of using AI in anamnesis are analysed

Scenario 1 Using a chatbot in the doctor's office

- Trend study with two waves
- First field phase: Nov 18–24, 2024
- Standardised questionnaire based on the Unified Theory of Acceptance and Use of Technology (UTAUT)
- Univariate and bivariate descriptive statistics; multiple linear regression models

Scenario 2 Using a chatbot at home



Results of the first wave



• Al is considered to have great potential for development in digital medical history applications.

- It has rarely been implemented in Germany to date, and participants have little experience with it.
- The intention to use is high in both scenarios.
- Almost two third of the participants can imagine very well or well to use a chatbot in the doctor's office.

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SCENARIO 1 n=961 n=954 I can imagine ... very well/well not at all/rather not undecided

Al anamnesis, wave 1; own illustration

- Practicality is a crucial factor in the implementation of AIsupported systems.
- Data protection and data security can act as barriers if they are perceived as insuffi-

ciently implemented.

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