

# Mind the Gap

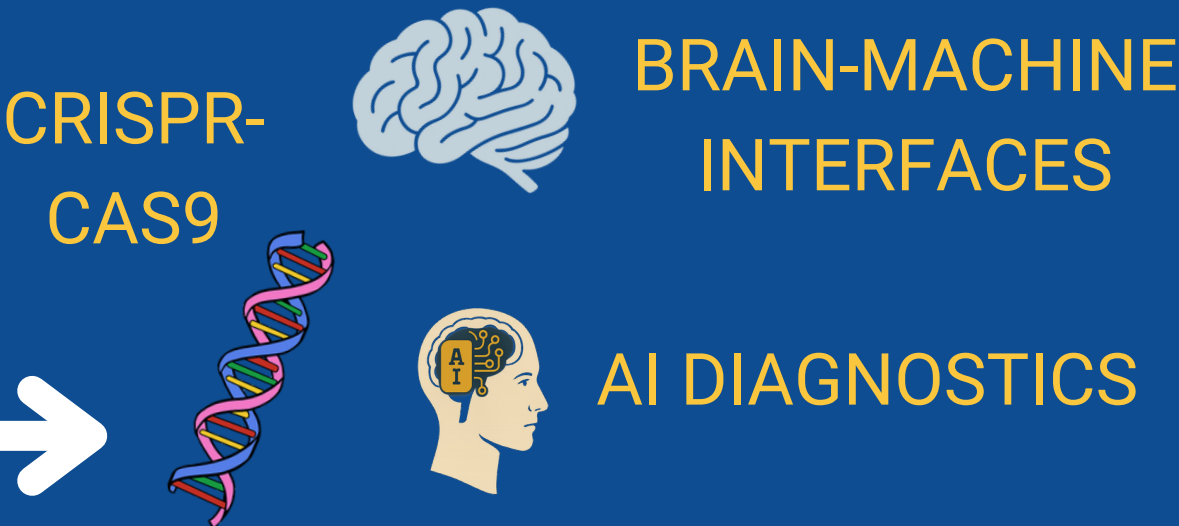
## The EU's Struggle to Bridge Neurotech and Healthcare

“How do clinical, economic, societal, and legal factors affect the integration of emerging health technologies - such as AI diagnostics, brain-machine interfaces, and CRISPR-Cas9 - into neurological healthcare in the European Union?”

### RELEVANCE:

- Neurological diseases are
- leading cause of **disability**
  - second leading cause of **death**

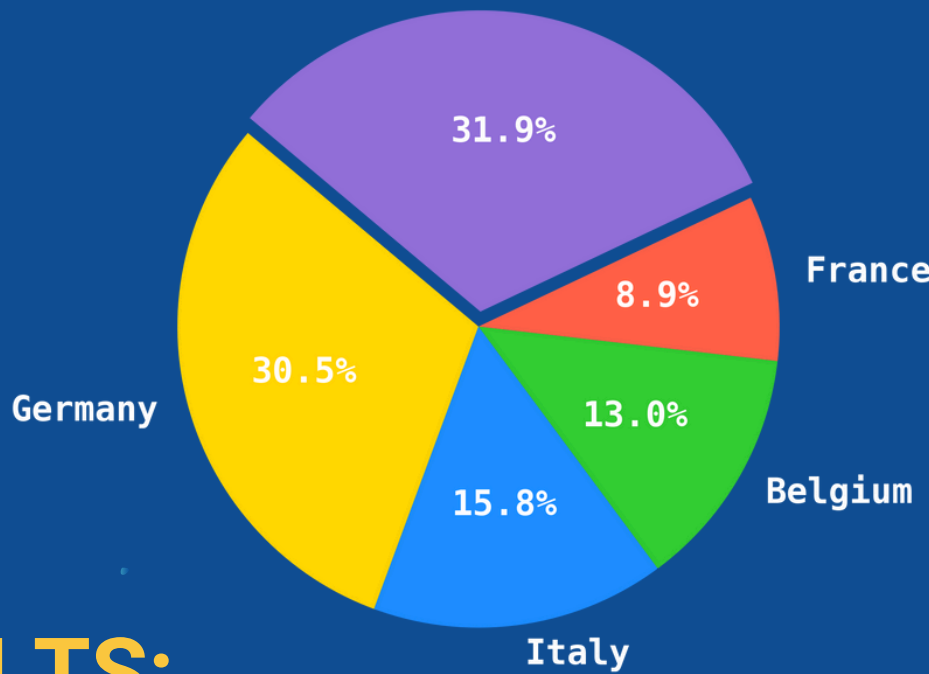
SOLUTIONS?



### METHODOLOGY:

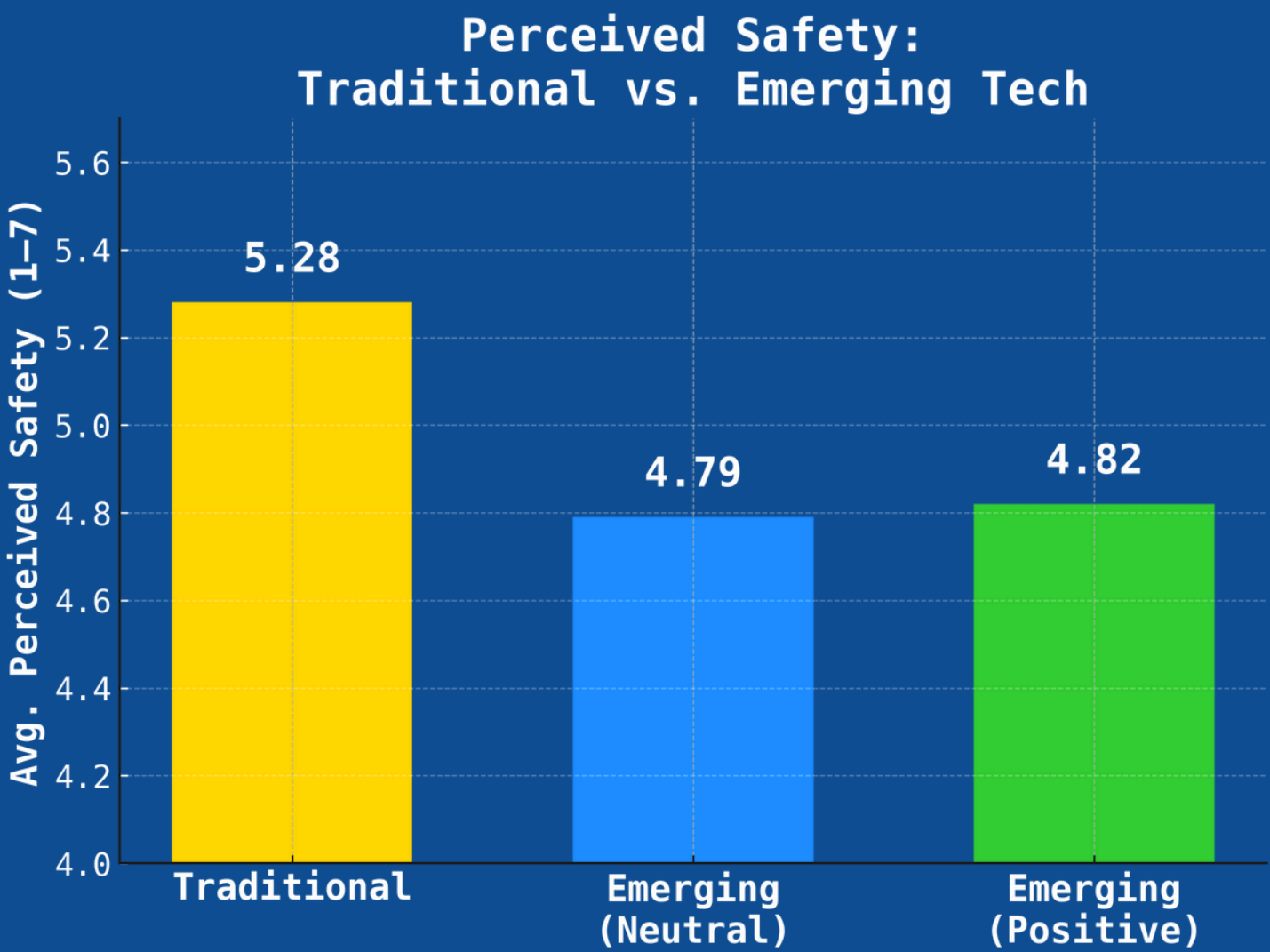
1. HTA FRAMEWORK
2. EXPERT INTERVIEWS: Dr. Pauly Ossenblok (Neurotech **entrepreneur**), Dr. Bart Mersseman (**European Commission** medical regulator), Prof. Dr. Tim Vanmierlo (CRISPR **researcher**)
3. SURVEY: **530+** respondents across the EU

Survey Respondent Nationalities (N = 535)



### RESULTS:

- CLINICAL EFFECTIVENESS**
  - AI: ready for use
  - BMIs & CRISPR: promising
- ECONOMIC VIABILITY**
  - High costs & limited funding
- SOCIETAL & ETHICAL ACCEPTANCE**
  - Public: cautious on new tech
- LEGAL CHALLENGES**
  - AI Act, Medical Devices Regulation, GDPR



**Conclusions:** the challenge for Europe is three-fold:

1. Legal Reform



2. Collective Trust



3. Innovation