

Trust in health data use in Germany and Israel – a comparison GIHF–AI study

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The innovative arm
of Clalit health services



4.7M
Members

1500
Clinics

14
Hospitals

#1
In Israel



Digitization in Healthcare

- The digitization of healthcare has revolutionized the industry worldwide, potentially offering opportunities for making it more efficient, accessible, and patient-centered.
 - But can also backfire with multiple unintended detrimental consequences
- Digitization is gradually transforming the way we diagnose, treat, and prevent diseases, improving healthcare outcomes and patient experiences – with some countries as early adopters
 - Israel is a global forerunner in use of healthcare data to improve health care practices

The key question

Do the marked differences in health data use (policy & practice) between Israel and Germany reflect an as-marked difference in public willingness to trust health entities with their data?



Study context

- This study was initiated to understand cultural differences in attitudes toward privacy regarding digital health data and developing/running clinical applications using such data
- Understanding these cultural differences is vital due to the global nature of healthcare and data sharing.
 - And as a foundation to future work of GIHF-AI

Study context

The study was performed with the support of the German Israeli Health Forum for Artificial Intelligence (GIHF-AI)

Study was conducted with the scientific advice of the two PIs:



Prof. Dr. Ran Balicer, CIO & Deputy-DG at Clalit Health Services and Founding Director at Clalit Research Institute



Prof. Dr. Sylvia Thun. Director, Core Unit eHealth and Interoperability, Charité

Study Hypothesis

- We initially suspected that Israelis are less concerned with their privacy regarding data sharing compared to Germans
- However, this had never been assessed methodologically before in a well-defined study
- The survey has been completed

Study overview

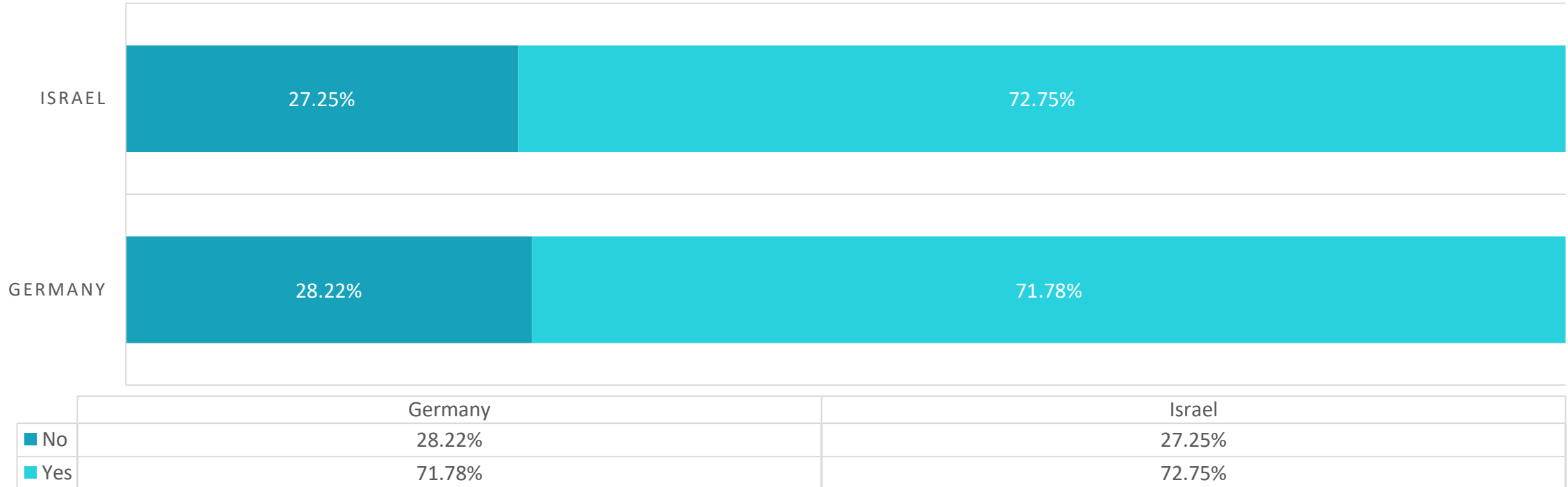
- Survey included 2052 participants:
 - 1219 German citizens
 - 833 Israeli Citizens
- Project timeline (May to July 2023)

Methodology

- Survey questionnaire's components, including:
 - Socio-demographics
 - Digital health app usage
 - Wearables and medical devices
 - Willingness to share data

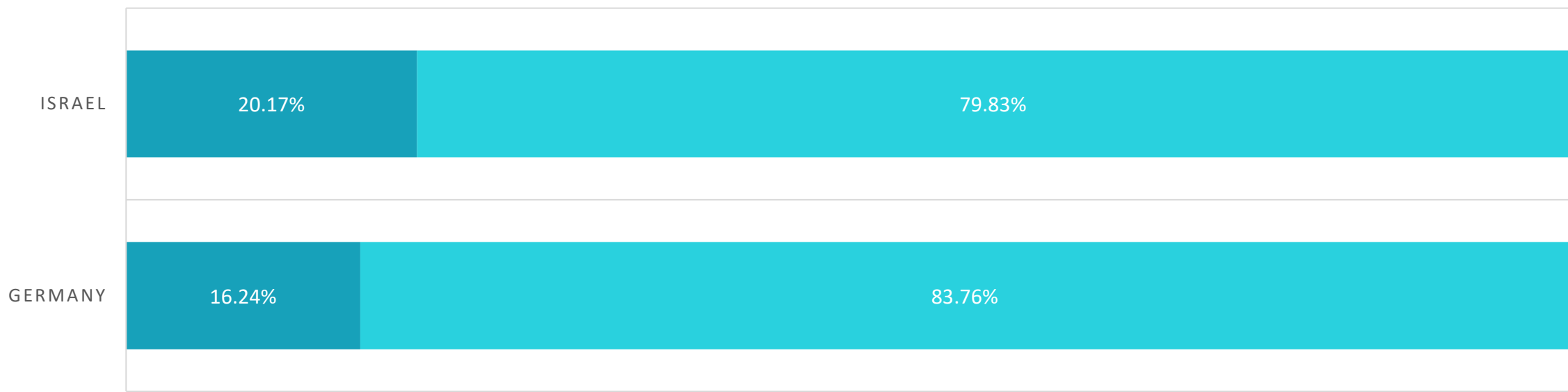
High levels of knowledge regarding digital health data usage

KNOWLEDGE THAT DATA FROM APPS/EMR CAN BE USED FOR RESEARCH



High agreement in Germany and Israel – use for clinical purposes

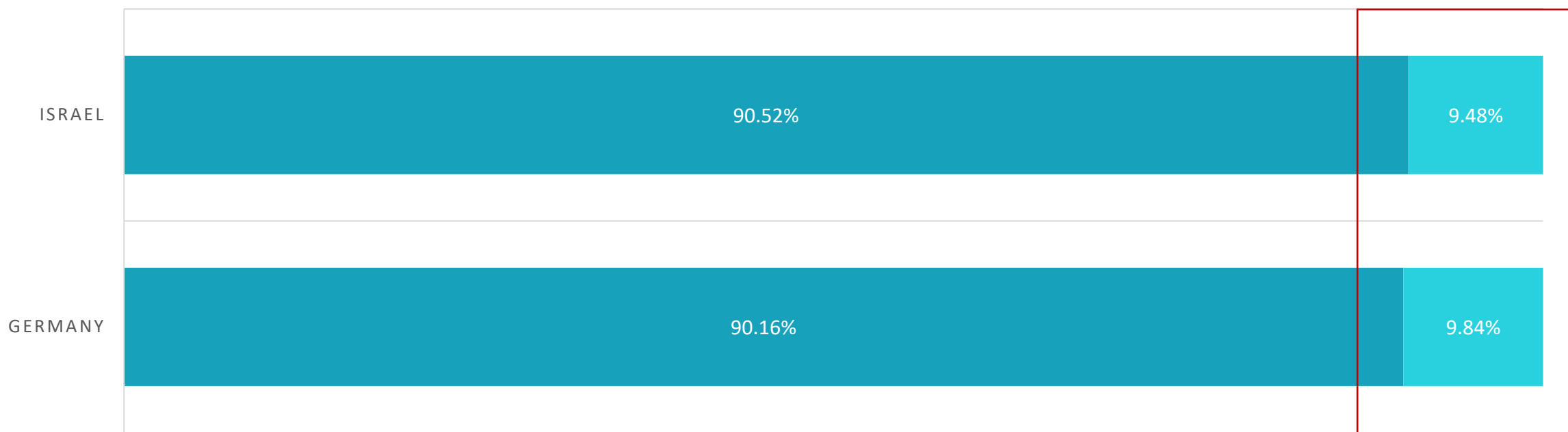
SUPPORT DATA USE FOR CLINICAL PURPOSES BY CLINICAL PUBLIC ENTITIES



	Germany	Israel
No	16.24%	20.17%
Yes	83.76%	79.83%

Subgroup in both countries that categorically refuses any data sharing

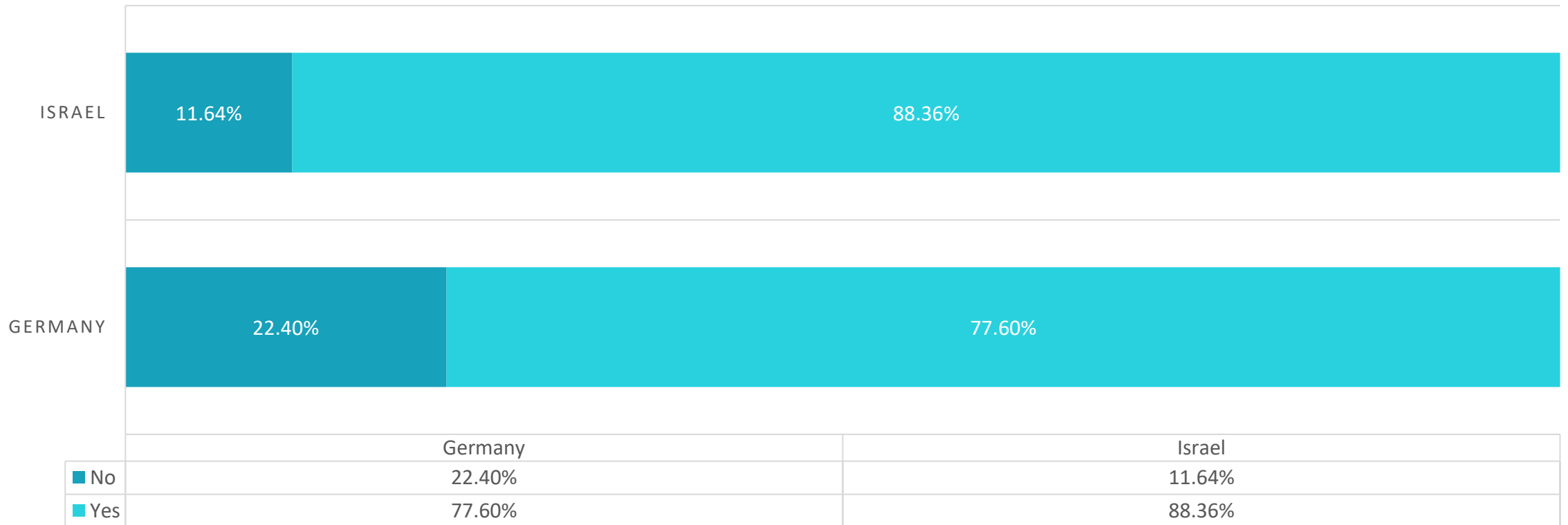
TRUST NO ONE WITH DATA FOR CLINICAL PURPOSES



	Germany	Israel
FALSE	90.16%	90.52%
TRUE	9.84%	9.48%

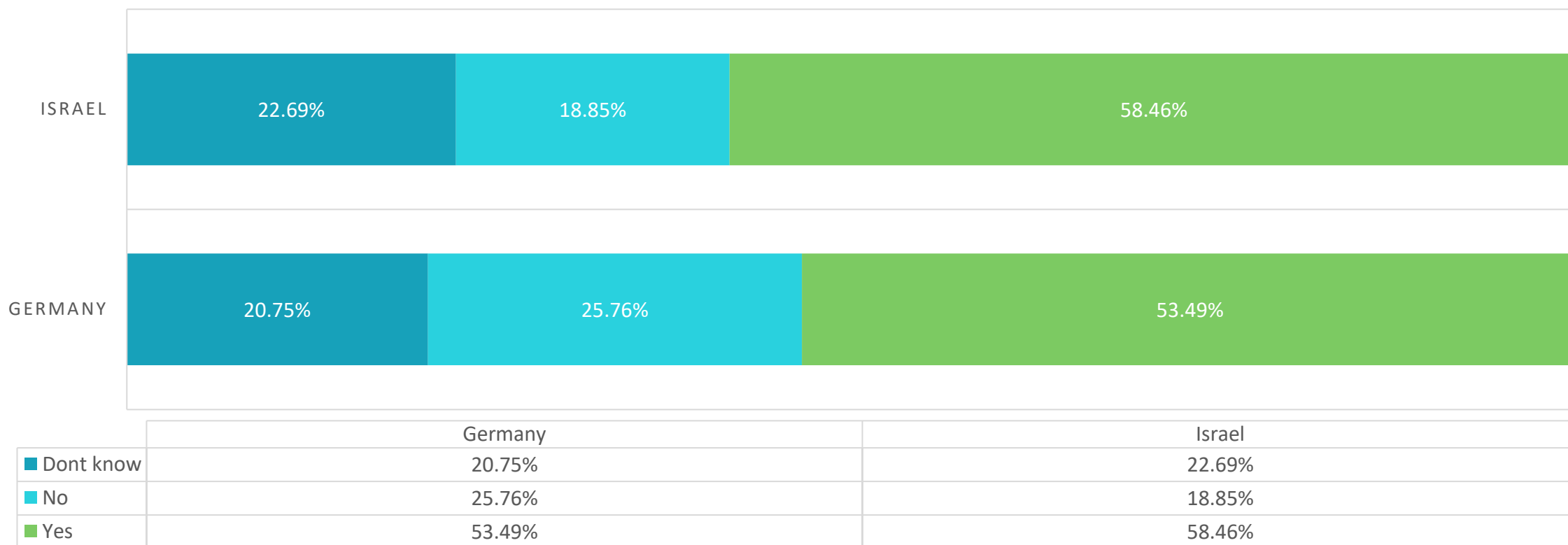
High willingness to use data for research purposes

SUPPORT DATA USE FOR RESEARCH - BY SOME ENTITY



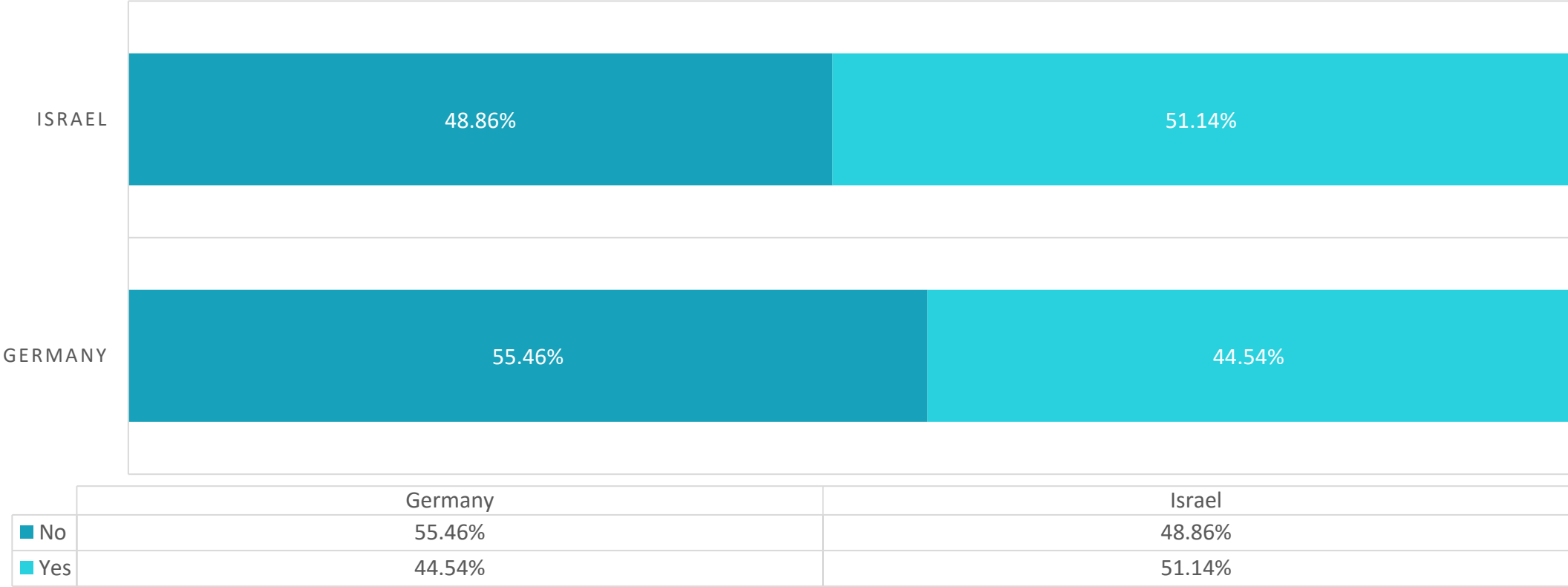
Moderate agreement to donating own data for research

WILLINGNESS TO DONATE MY OWN DATA FOR RESEARCH



Moderate willingness for HMO/krankenkasse to use data for research purposes

SUPPORT DATA USE FOR RESEARCH, BY HMO/KRANKENKASSE



*Age & Gender adjusted: IRR 1.16, 95% CI (1.02, 1.32), p=0.026

Significance and Future implications

1. **High levels of reported awareness that data from apps, cell phones and electronic medical records can be used to support research**, are reported in both Germany and Israel, with no significant difference between countries.
2. General **high level of willingness for establishing anonymized datasets** of patient information to be used for research in both Germany and Israel, with no significant difference between countries.
3. **High support** in both countries, **for use by clinical public entities for clinical purposes**.
 - a. A **small group** exists that **categorically refuse any and all data sharing** and use, by any entity, even for clinical purpose.
4. **Moderate-Low support** for use of personal health data **for research, higher in Israel**

Thank you

The study was analysed by



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