



SHARE AND PROTECT OUR HEALTH DATA!

Rare disease patients' preferences on data sharing and protection

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30 MILLION people are living with a rare disease

in Europe and 300 million worldwide



NO CURE for the vast majority of diseases and

for the vast majority of diseases and few treatments available

Sharing health data to advance scientific research and improve clinical benefits are of particular importance in the **field of rare diseases** where knowledge and expertise are limited and **patient populations are** geographically dispersed. Understanding what patients want and need from rare disease research and data sharing is important to ensure their participation and engagement in the process, and to ensure that these wishes and needs are embedded within research and healthcare delivery design.

WITHIN THIS REPORT YOU WILL FIND:



1 WHY SHARE HEALTH RELATED DATA?

Rare disease patients, regardless of the severity of their disease and their socio-demographic profile are clearly willing to share their data:



Rare disease patients seem more inclined to share their data than the general population: depending on the study, between 37% and 80% of the general population declare that they would be ready to share their health data¹.



If given the opportunity, would you be willing to make your/the person you care for health information available for the purpose of:

The main incentives for patients to participate in such initiatives is the possibility to discuss and learn information about the disease and the project.



1: Attitudes towards data sharing, YouGov. 2018. https://docs.google.com/spreadsheets/d/1_-ntuc7lZEeXxLdvaFsfqrugjNFQUPTI7B377G0XnQo/edit#gid=2093652055 and https://ec.europa.eu/health/sites/health/docs/2018_ehealth_infographic_en.pdf'

2 DATA SHARING: RISK AND LEVEL OF CONTROL

Rare disease patients want to have control over the data they are sharing.

80% said they wanted to keep full (47%) or near to full (33%) control. Being in favour of sharing data and calling for more control are not contradictory, they are clearly stated as two parallel requirements.



According to rare disease patients, the main risks associated with data sharing are:



2: European Commission: Data Protection Report. Special Eurobarometer 431; 2015 https://ec.europa.eu/commfrontoffice/publicopinion/archives/ebs/ebs_431_sum_en.pdf

3 HOW MUCH DO PATIENTS TRUST POTENTIAL USERS OF DATA?

Rare disease patients show a higher level of confidence in not-for-profit stakeholders.

Respondents were asked whether they trust various authorities and types of organisations to handle and use their health information carefully. Patient trust in not-for-profit stakeholders is considerably higher than trust in for-profit stakeholders.



Opinions are fragmented on whether responsibility for deciding with whom information is shared, how and why, could be delegated to an ethics committee.



4 HOW BEST TO COMMUNICATE WITH RARE DISEASE PATIENTS?

Participants were asked to express their preferences regarding the types of information they would like to receive and how they would like to receive it.

The top three most important pieces of information patients would like to receive about a data sharing initiative are:



Email and face-to-face discussion are the favoured ways of receiving information.



Would you like to be informed about the outcome of the project through each of the following means?

The ideal frequency to be informed for the majority of the respondents is once a month.



5 RECOMMENDATIONS FOR DATA SHARING INITIATIVES

The following recommendations have been derived from the surveys and consultations.

Policy makers should:



All stakeholders involved in data-sharing initiatives, including funders, sponsors, clinicians and researchers, healthcare authorities and professionals, patient organisations and non-profit organisations should:



3: EU countries will cooperate in linking genomic databases across borders. https://ec.europa.eu/digital-single-market/en/news/eu-countries-will-cooperate-linking-genomic-databases-across-borders.

4: Zyskind G, Nathan O, Pentland A. Decentralizing privacy: using Blockchain to protect personal data. Journal of Information Security and Cryptography (Enigma); 2015.



For more information on the results of the survey and the recommendations, see the article published in the Orphanet Journal of Rare Diseases :

Share and protect our health data: an evidence based approach to rare disease patients' perspectives on data sharing and data protection or contact rare.barometer@eurordis.org.

6 RESEARCH AND RECOMMENDATIONS METHODOLOGY

EURORDIS-Rare Diseases Europe has organised and participated in a number of consultations with rare disease patients and carers in order to reach a comprehensive understanding of rare disease patients' needs and expectations regarding data sharing.

Patient and carer views and perspectives were collected via the following methods:



THANK YOU to all people living with a rare disease who participated in the survey and discussion groups and to Rare Barometer partners!

5: McCormack P et al: 'You should at least ask'. The expectations, hopes and fears of rare disease patients on large-scale data and biomaterial sharing for genomics research. European Journal of Human Genetics 2016, 24(10):1403-1408



EURORDIS-Rare Diseases Europe regularly surveys the rare disease community via its Rare Barometer programme to identify patients' perspectives and needs on a number of issues in order to be their voice within European and International initiatives and policy developments. Rare Barometer brings together over 10,000 patients, carers and family members to make the voice of the rare disease community stronger. For more information visit <u>eurordis.org/voices</u>.