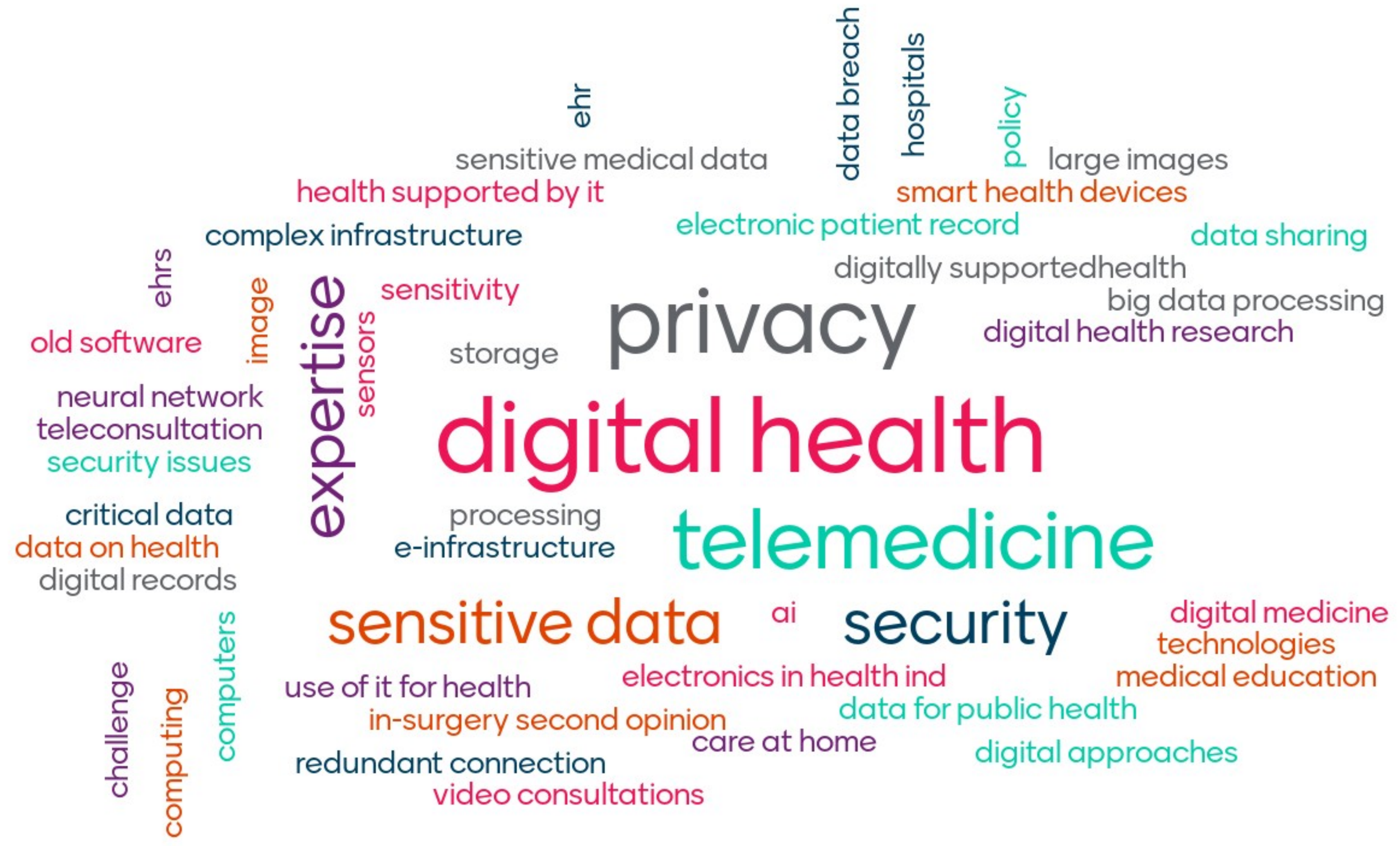# GÉANT & EaPConnect

e-Health Workshop

27 January 2021
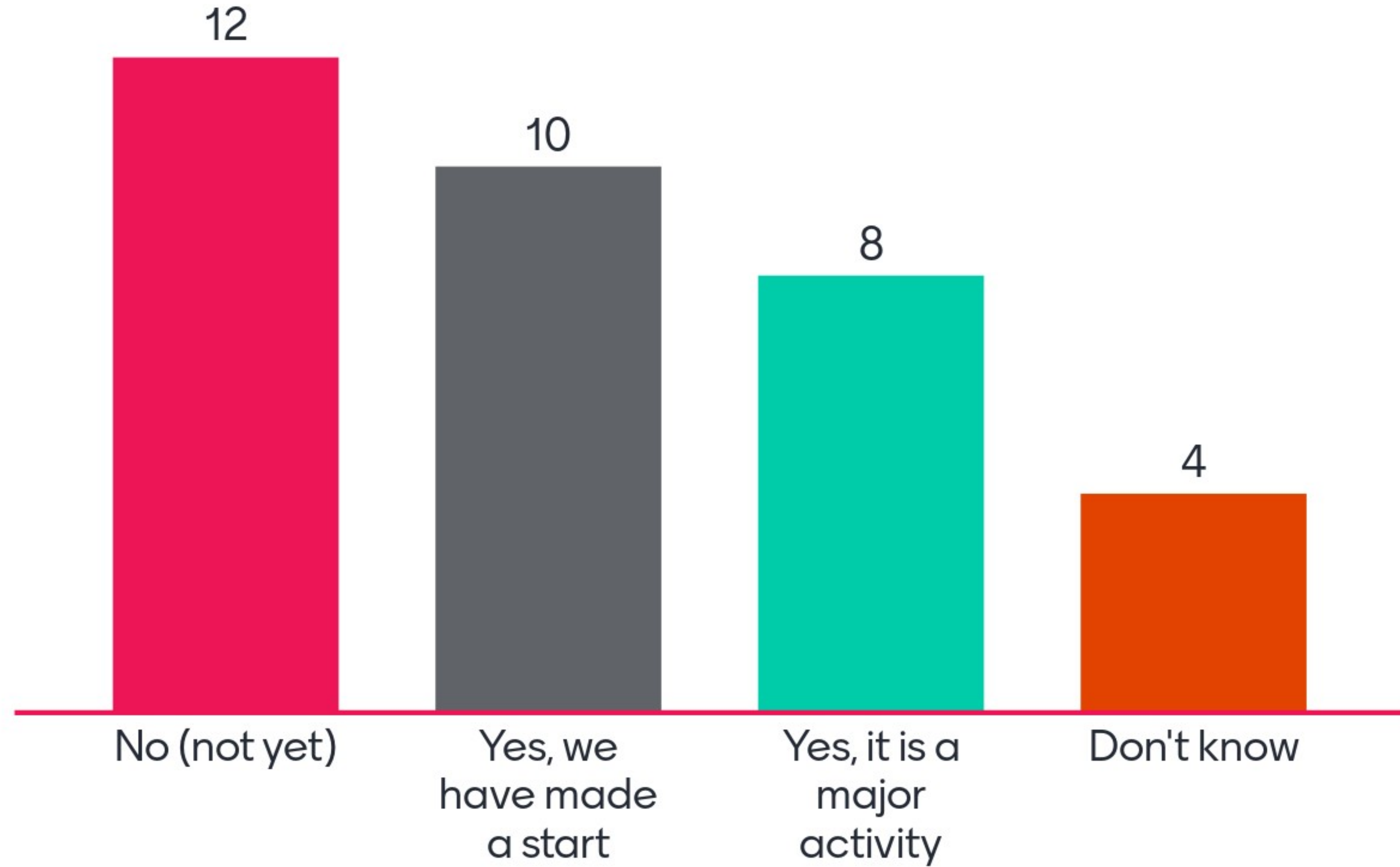
When you hear 'e-health', you think...?

Is your NREN already working on e-health?

What does your NREN offer to support e-health?

fwSZ

frdWGF

ZFSCX

GARWG

Pilot support

HPC resources, storages, networking facilities

Sensitive data storage and collaboration service

HPC, storage, network

Basic Security, Pilot Support

47

What does your NREN offer to support e-health?

network,storage	Software development	connectivity, T&I, security, dedicated services, storage NREN cloud service
Storage, computing infrastructure, applications development	Connectivity + storage	network
networking	Connectivity, VMs, Storage, Living-lab, Security	HPC resources

47

What does your NREN offer to support e-health?

Network services, cloud services	Hospital SOC	L2 connectivity, T&I
HPC	secure data transfer	network storage
poor uptake of services	image processing	Health Collaborative Network

47

What does your NREN offer to support e-health?

Basic connectivity to university hospitals	Roaming	Any usual services (HPC, cloud, storage), including consultation.
SSO as a Service	Participate in a regional living lab	sensitive data transfer
cloud services	Medical image analysis	Dedicated services

47

What does your NREN offer to support e-health?

Analysis environment s for sensitive data

all the NREN services - network, storage, e-learning systems for university hospitals, federated identity

Connectivity to public health services and hospitals

Health Collaborative Networy

Video transmission of surgery

research engagement

Medical diagnosis

sensitive data preservation

Specified to Helth Sector Service

47

What does your NREN offer to support e-health?

Not sure, health have their own development teams

Training

47

What useful services are currently missing from NREN / GÉANT portfolios?

REW

sensitive data services

Electronic lab notebooks

Health Service Catalog

Not known.

more NREN cloud services, develop services tailored for eHealth users

Medical (certified) data storage

Sensor and gateway connectivity and data storage and visualization

A focus on é health

20

What useful services are currently missing from NREN / GÉANT portfolios?

clouds

FAIR support

Security

Common policies

Collaboration on network infrastructure

Support and guidance with IT infrastructure

linking clinical and research activities

don't know exactly .. should be asked from the hospitals and medical institutions themselves

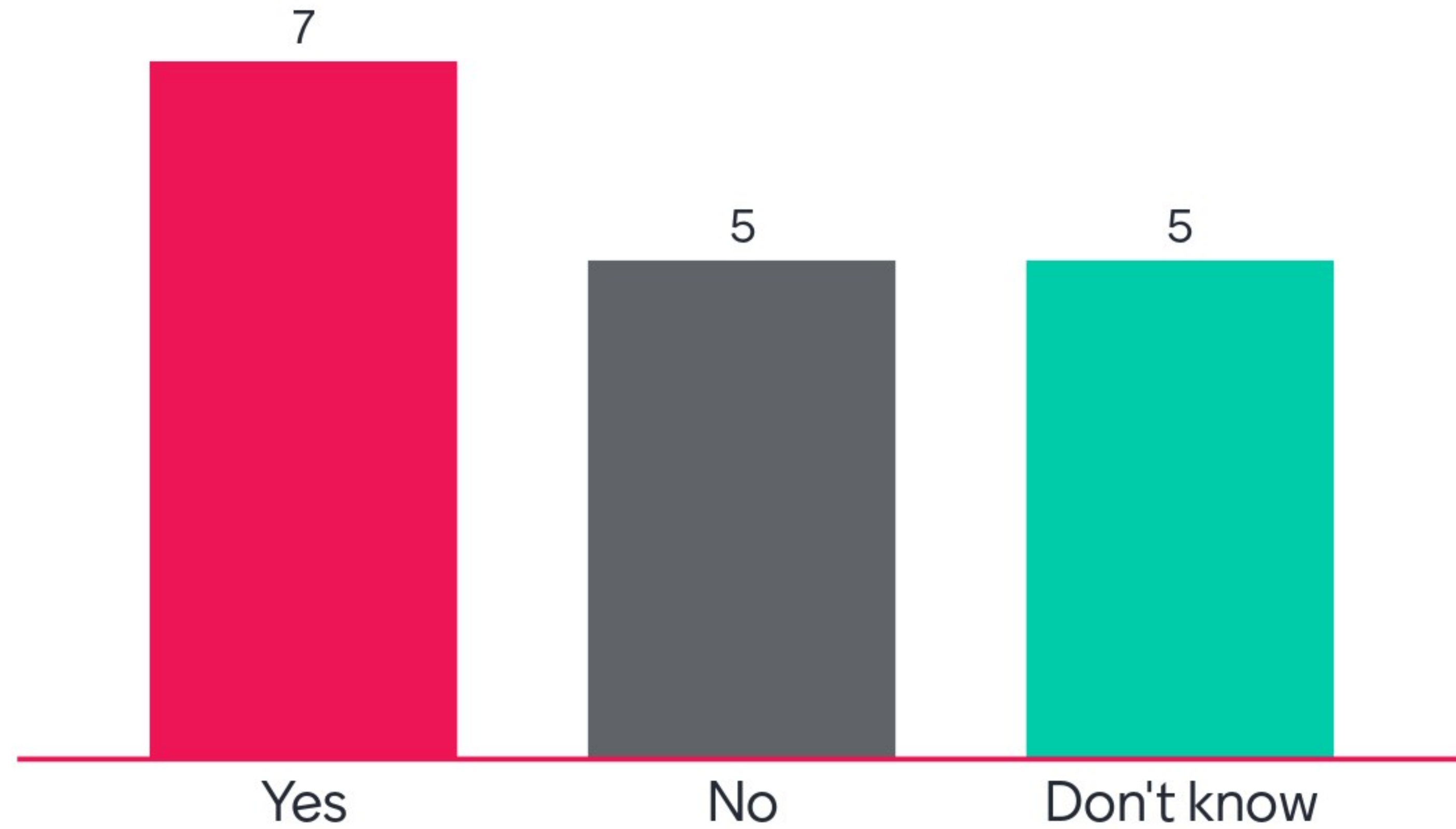Not known at this point in time,:availability is key

20

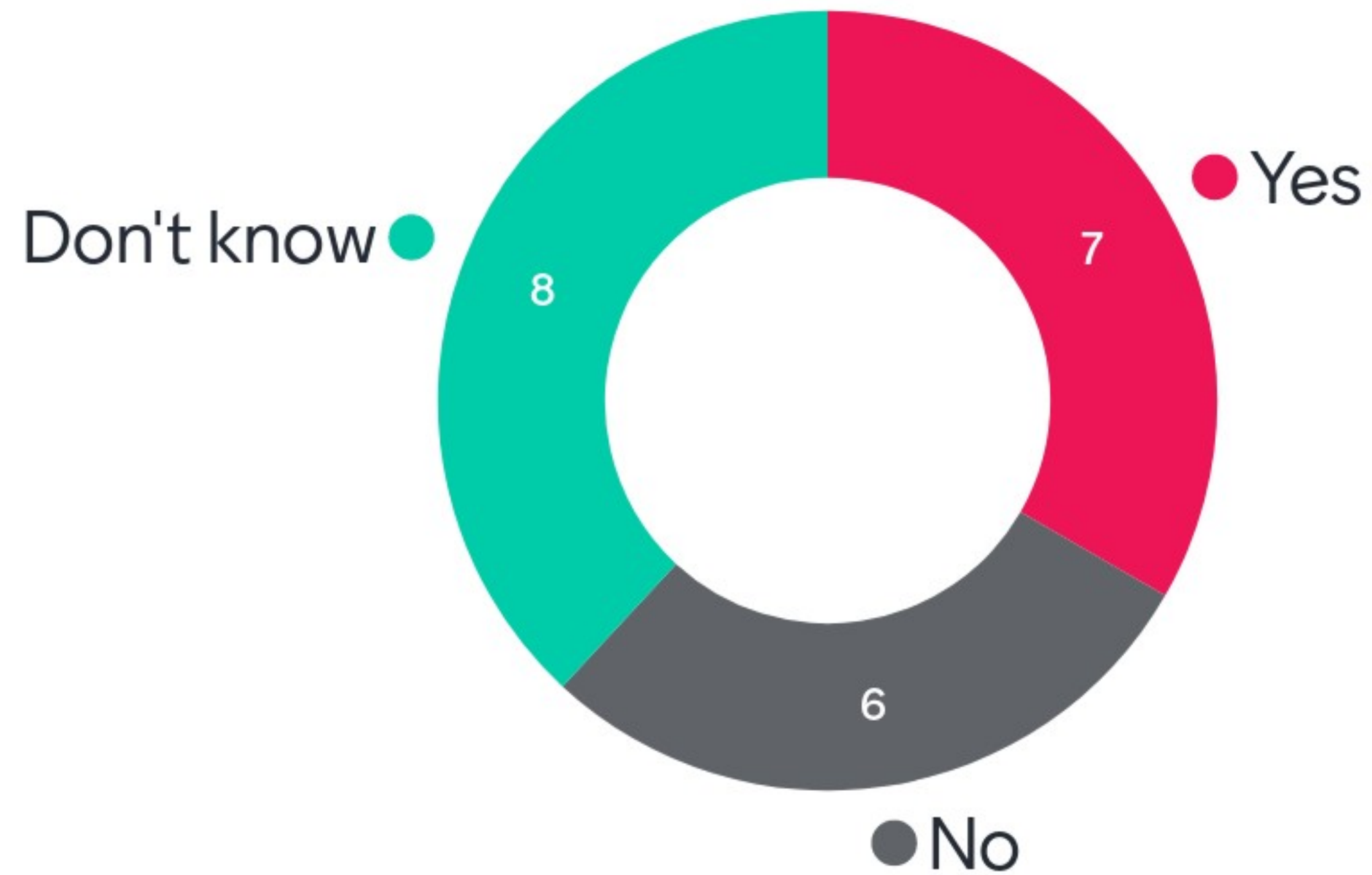# What useful services are currently missing from NREN / GÉANT portfolios?

N/A

e-Health service for medical records & images
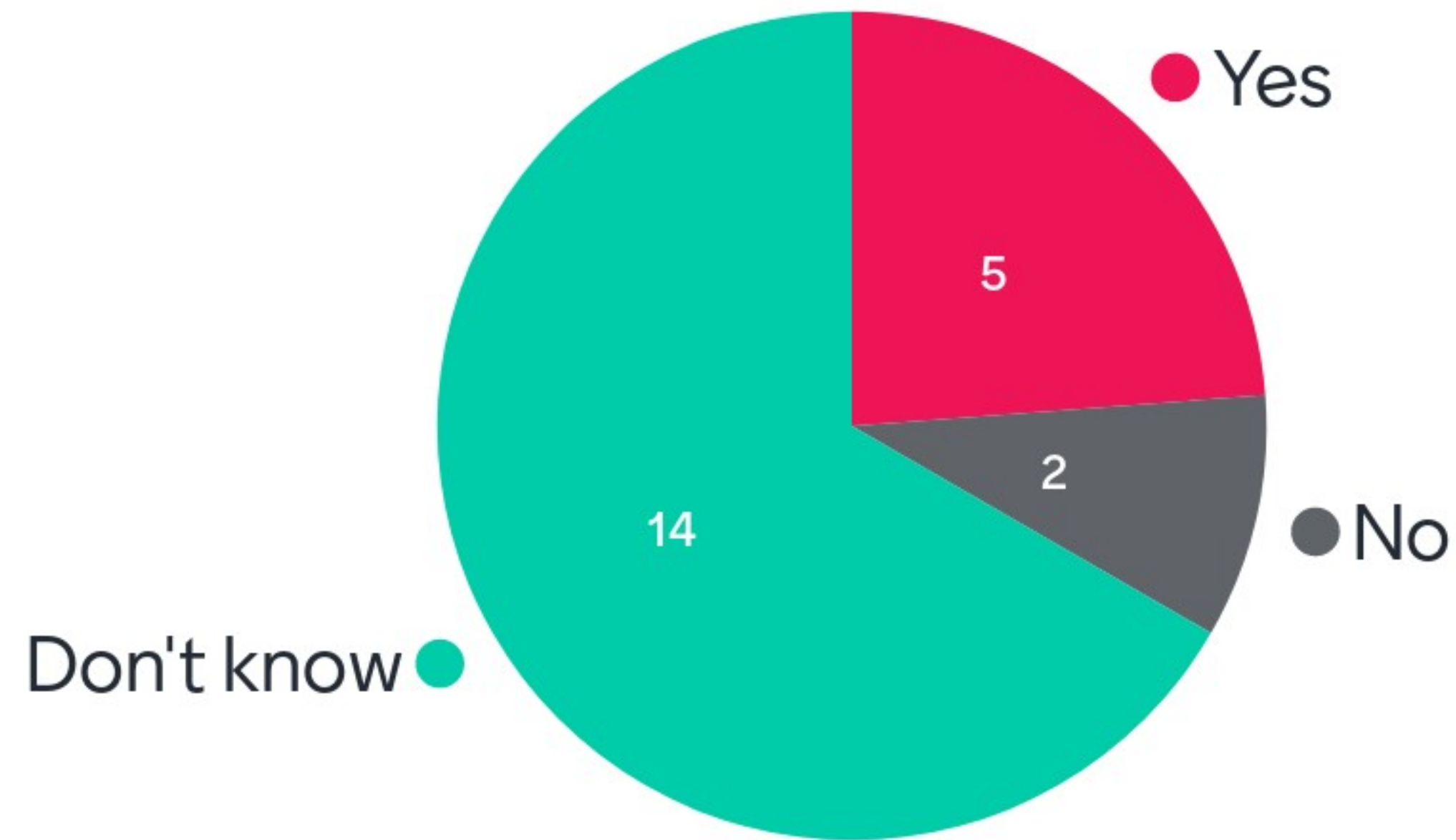
Mentimeter 2

Is your e-health community requesting greater dedicated bandwidth?

Do your e-health institutions need NREN-provided Identity Providers?

Does the L2VPN service meet the security needs of interconnected sites?

How relevant are Clouds for your e-health context?

1
Low relevance

7
Medium relevance

12
High relevance

1
Don't know

What elements are the most important at the EU policy level? (E.g.: data management; data access policies; infrastructure; others)

yred	Data access policies	Infrastructure
Data security	data access policies	data security
Security, Privacy, data openness	Data access policies	FAIR

What elements are the most important at the EU policy level? (E.g.: data management; data access policies; infrastructure; others)

infra	user managment mit access	data accessinfrastructuredata sharingappropriate securityframework
Semantic interoperability	Fair	Data access policies; medical data anonymization
data access	uniform strategy for eHealth services in Europe	data management

What elements are the most important at the EU policy level? (E.g.: data management; data access policies; infrastructure; others)

Data access policies

Data Security

Data protection and security from the use by the governments for political aims

trusted research environments acceptable for holding sensitive data

Standards

Ontologies

SECURITY OF PERSONAL INFORMATION

data access poilicy at EU level

clear indiction NRENs can be ok

What elements are the most important at the EU policy level? (E.g.: data management; data access policies; infrastructure; others)

trusted research environment	Funding	Public trust for using health data
Dedicated staff in NRENs	Common objectives and practices	Legal bases for sharing data
Closer relation of NRENS with specialized institutions	- Reliable channels for medical remote access and interaction without interruptions - storage of the medical personal information with high level of security accorded existing in states requirements.- seamless interaction medical equipment.	

Any other issues around supporting e-health projects? (E.g. hospitals falling outside NREN AUPs)

hyreh

hospitals don' see or don't want to see their security issues

Data anonimization and continuing recording cases in the same time - for research purposes

funding for digitalization of public hospitals

health organisation mandated to be served by a different organisation - problematical is the medical education and research

Most NRENs haven't probably planned their activities regarding strategy towards specific disciplines outside traditional HPC & education domains.

different languages bit administratively and technicallytoo many biased decision makes in hospitals thinking only commercial is ok because they can pay a fine

Digital Health coordination in each NREN

NREN cannot support commercial traffic, so two providers are needed

Any other issues around supporting e-health projects? (E.g. hospitals falling outside NREN AUPs)

need to talk al minister, level	It is more attractive for young specs to work for Google etc rather than for EU eHealth projects	Serving eHealth for and NREN is an issue of governance, hospitals under different Ministry.
medical conservative approach to automation of intelligent analysis	difficulty to unterstand the needs and possibilities between medical infrastructure and NREN	MoU among Geant, RedClara, Apan and Nrens for a representation at WHO
Domain specifications	Hospitals have o ny policies, plans to implement NREN provided services	Supporting Hospitals require 24/24 hours a day support, which is not easy for s medium/small NRENs

24

Any other issues around supporting e-health projects? (E.g. hospitals falling outside NREN AUPs)

EHealth is organized and widely disorganized at the same time, this is problematic for a scalable approach

regulations

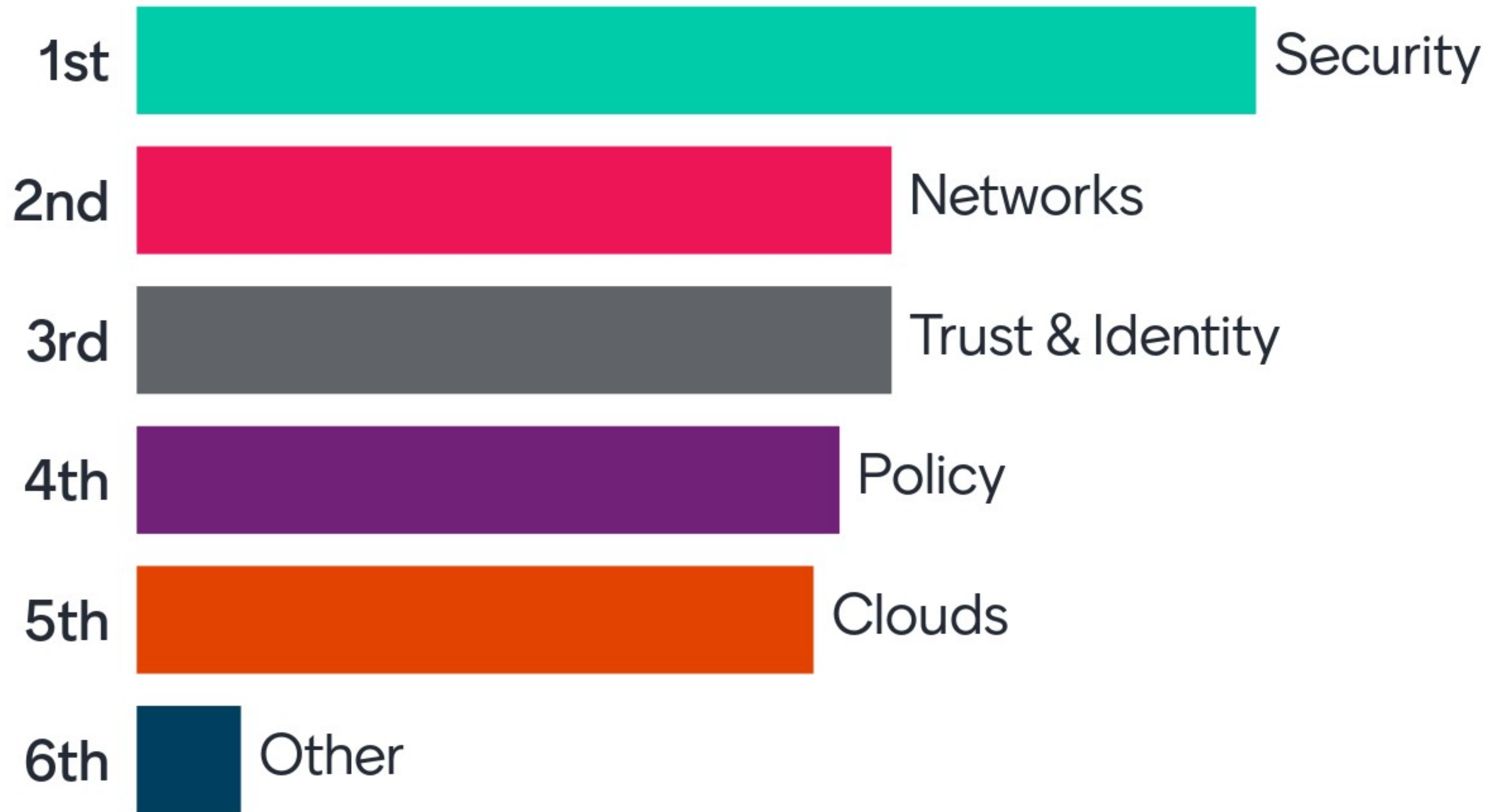Hospitals not aware of possibility to use NREN resources, services

policy

Cloud

An MoU on Digital Health R & NRENs with respect to WHO

What could we work on together?

tgrs

htre

hh

TF-eHealth

Collaborative approach towards personalized medicine

Trainings and webinar teaching about the technical possibilities and risks

coordinated language approach to understand them

shareAUPs for the eHealth

To clarify e-health priorities for NRENs

What could we work on together?

Coordinated approach and dialogue with EC

common strategy (includes T&I and security for Health care)tools and service definition

To collaborate to find joint interest

Merging the data resources

Share software solutions

Share AUP for eHealth

share portfolios woofer them

find the right "champions" to talk to them

A global webinar

26

What could we work on together?

share policies for international collaborations

WHO digital Health MoU

share training on tools and technology

Share data resources

Improve EU and Non EU collaboration vetween teams

enrole more NRENs and RRENs

Possibly see where NRENs can support existing initiatives like ELIXIR, international genome work

Receive requests from medical organizations and share between NRENs such information

26

Breakouts

Assessing today's session...