User-centric technologies and optimised hospital workflows for a sustainable healthcare workforce

IHI call 7 – topic 2

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10/01/2024 • Online

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Before we start…

- We are recording this webinar and it will be published on the IHI website and the B2Match platform.

- We will also publish the presentation slides

- The call will be officially launched next week, all links and details of how to apply will be published on the IHI website and the Funding and Tenders Portal.

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Today's session

- **Will cover**:
  - Introduction to IHI programme
  - IHI call topic
    - Challenge, need for public-private collaborative research
    - Scope, outcomes & impacts, budget
  - Proposal submission, evaluation & preparation tips

- **Will not cover**
  - rules and procedures
  - how to prepare the financial proposal

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Innovative Health Initiative

EU **partnership in health** between:

● the **European Union** represented by the European Commission

&

● **Healthcare industry associations:**

   ● **COCIR** (medical imaging, radiotherapy, health ICT and electromedical industries)

   ● **EFPIA**, including **Vaccines Europe** (pharmaceutical and vaccine industries)

   ● **EuropaBio** (biotechnology industry)

   ● **MedTech Europe** (medical technology industry)

IHI's general objectives

- Turn health research and innovation into **real benefits for patients and society**

- Deliver safe, effective health innovations that **cover the entire spectrum of care** – from prevention to diagnosis and treatment – particularly in areas where there is an unmet public health need

- Make Europe's health industries globally **competitive**.

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IHI projects are…

Created via open and competitive calls for proposals

Cross sectorial public private partnerships leveraging:

- Contributions from industrial partners from the IHI industry associations (COCIR, EFPIA including Vaccines Europe, EuropaBio, MedTechEurope)
- if relevant, contributions from contributing partners (must be approved by IHI GB)

and

- Public funding via European Commission (Horizon Europe)

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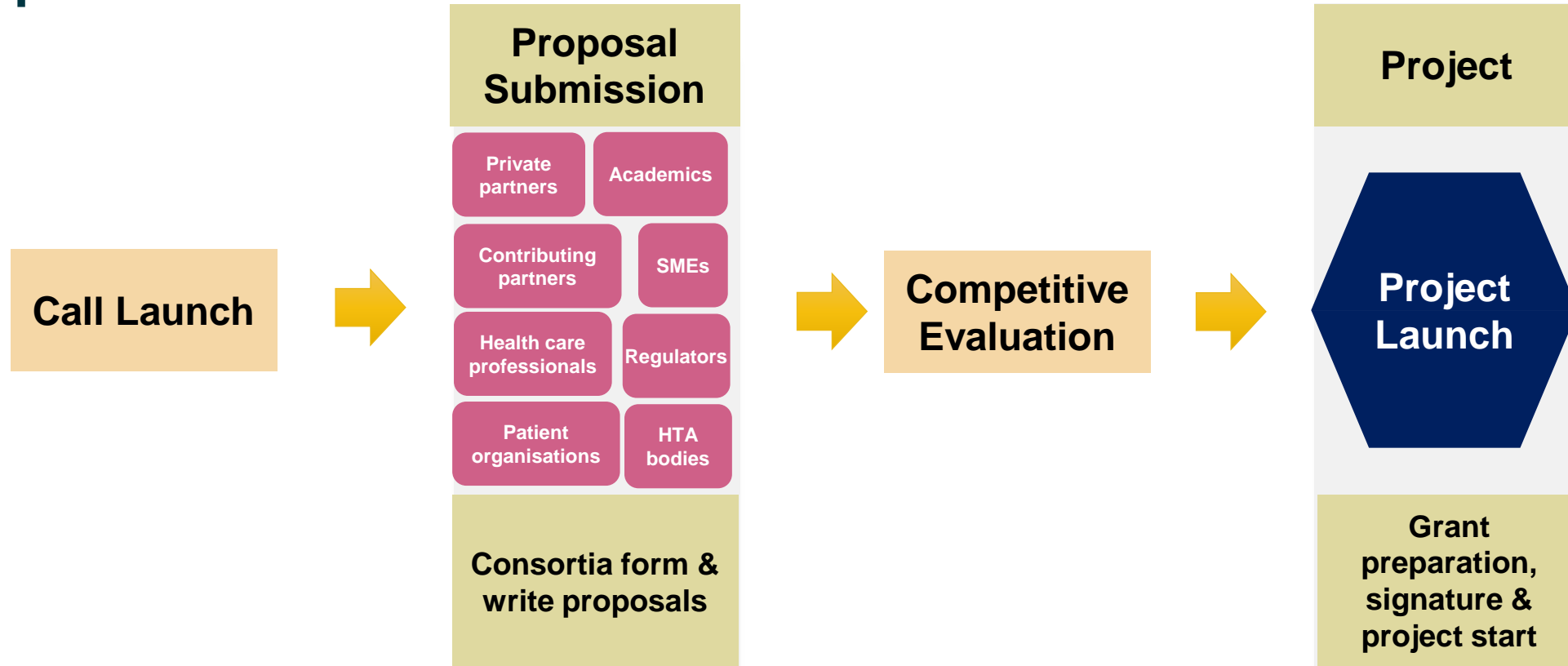# Strategic Research & Innovation Agenda

Focus

- **Cross-sectoral approaches** to facilitate creation of new products and services to **prevent, intercept, diagnose, treat and manage diseases** and foster recovery more efficiently.

Goal

- Lay foundations for development **of safer and more effective health care products or solutions** that respond to **unmet public health needs** and that can be implemented into healthcare systems.

Research supported by IHI should remain at precompetitive level

https://www.ihi.europa.eu/about-ihi/research-and-innovation-agenda

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How does IHI work? Single-stage procedure

Call Launch

➤

Proposal Submission

- Private partners
- Academics
- Contributing partners
- SMEs
- Health care professionals
- Regulators
- Patient organisations
- HTA bodies

Consortia form & write proposals

➤

Competitive Evaluation

➤

Project

Project Launch

Grant preparation, signature & project start

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User-centric technologies and optimised hospital workflows for a sustainable healthcare workforce

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The challenge

- Healthcare professionals face **increasing workloads and pressure**, resulting in an increase in burnout, stress and related work absences which can also impact patient care.

- Technical solutions have the potential to support the healthcare workforce, but their **adoption has faced many challenges.**

- Requirements for **user-centric and intuitive** solutions, **better integrated,** including **collaborative design** approaches.

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Need for public-private, cross-sector collaboration

Cross-sectoral approaches involving the med-tech and pharmaceutical industries for the effective **integration of new technologies in the clinical workflow**.

Bring together broad user groups involving all relevant stakeholders and industry partners to ensure the upfront integration of their input.

Multidisciplinary approach to enable an objective and qualified **evaluation** of the proposed technologies.

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Scope of the topic (1/3)

Activities must focus on:

- Develop and implement solutions to **empower the healthcare workforce** without additional burdens
  - Automate workflows, adopt/integrate new capacities, and/or develop trustworthy autonomous technologies or technology experiences.
  - Data-driven, that improve workflows, assist clinical procedures, and support efficient healthcare resource consumption.
  - Considering standardized data acquisition approaches for proper technology development and training.

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Scope of the topic (2/3)

- Propose and implement **better integration of existing and/or emerging technologies** in different hospital workflows
- Demonstrate potential for **deployment** through use cases addressing wider groups.
- Establish effective **training** approaches for complex technologies
- Demonstrate **scalability and transferability** across healthcare professions
- Demonstrate feasibility from an **economic perspective.**

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Scope of the topic (3/3)

Where relevant, the proposed solutions should aim at:

- Developing and applying **standards** which are relevant to the proposed solutions
- Ensuring the potential for regulatory approval and target markets.
- Take into account other dimensions with **regulatory implications**.
- Consider supporting the **secondary use of generated data**
- Learn from **past EU-funded projects**.

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Expected outcomes

- **Healthcare professionals -** Assistive technologies and improved hospital workflows, resulting in optimised procedures or new capacities; improving workload and job satisfaction.

- **Patients** - An improved care journey experience and enhanced healthcare services.

- **European healthcare systems** - Increased functionality or new and better capacities.

- **Healthcare providers** - Improved cost-effectiveness and efficiency of care delivery, and a better experience of both hospital staff and patients.

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* Actions under this topic must contribute to at least three of the following outcomes

Expected impacts

- Innovative technology contributing to halting the current efflux of medical professionals, fostering **sustainable careers in healthcare**;
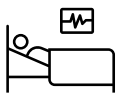
- **Improved patient care** through advanced diagnostic and treatment technologies, more efficient clinical workflows, privacy and security of patient data;
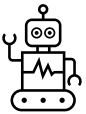
- Companies develop technological solutions to **support healthcare professionals**; considering workflow integration and reflect end-user needs;

- **Healthcare systems** improve their capacity and resilience because of more efficient and sustainable solutions.

- Contribute to the '**Comprehensive Approach to Mental Health**' and '**a Europe fit for the digital age**' strategies of the European Commission.

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Dissemination, exploitation & communication

- **Reserve budget** for effective dissemination, exploitation & communication
- **Describe the dissemination, exploitation and communication measures** that are planned, and the target group(s) addressed, in particular:
  - Encourage the uptake of the results of the project through a strong communication and outreach plan
  - Allocating appropriate resources to explore synergies with other relevant initiatives and projects
  - Note 3A provisions (Availability, Accessibility and Affordability) do apply to this topic.

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Budget

IHI financial contribution:
EUR 12.5 million

Industry / CP contribution:
EUR 12.5 million *

Project budget:
EUR 25 million

At least 45% of the project budget must be covered by contributions from project participants

Total available IHI funding for this topic: EUR 25 million

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Simplified budget example

Single-stage calls for proposals

Type of participant	Total eligible costs + IKAA	Funding rate	Reimbursed eligible costs	Contributions (IKOP, FC, IKAA)
'Public partners' (Universities, hospitals, SMEs, patient orgs, regulators..) (full costs reimbursed, cannot contribute IKOP/IKAA/FC)	15 million	100%	15 million	0
Private members & contributing partners (contribute IKOP/IKAA/FC, no costs reimbursed)	15 million	100%	0	15 million
Private members & contributing partners ('Hybrid') (costs reimbursed <u>and</u> contribute IKOP/IKAA/FC)	10 million	100%	5 million	5 million
Total	**40 million**	**100%**	**20 million (50%)** Public funds	**20 million (50%)** Private funds

Proposal submission & evaluation

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Proposal Template - Parts A, B & Annexes

- **Part A** of the proposal is **administrative data** that is entered in webforms through the Funding & Tenders Portal.

- **Part B** of the proposal is the **narrative part** that includes three sections:
  - Excellence
  - Impact
  - Quality and efficiency of the implementation
- **Read instructions** in proposal template **very carefully**

- **Annexes:**
  - Participant type
  - Budget details
  - Clinical studies template

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Evaluation Criteria (1/2)

- **Excellence**
  - Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious, and goes beyond the state of the art.
  - Soundness of the proposed methodology, including the underlying concepts, models, assumptions, interdisciplinary approaches, appropriate consideration of the gender dimension in research and innovation content, and the quality of open science practices, including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.

- **Impact**
  - Credibility of the pathways to achieve the expected outcomes and impacts specified in the work programme, and the likely scale and significance of the contributions due to the project.
  - Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.

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Evaluation Criteria (2/2)

- **Quality and efficiency of the implementation**
  - Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall
  - Capacity and role of each participant, and extent to which the consortium as a whole brings together the necessary expertise.
  - Clearly defined and effective integration of in-kind and financial contributions, including those of IHI JU private members, their constituent or affiliated entities to enable a successful public-private partnership.

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Tips for applicants

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Tips for applicants

- Read all the call-relevant material, especially the **topic text**
  - www.ihi.europa.eu/apply-funding/future-opportunities

- Form your consortium **early**
  - Always think "public-private partnership"
  - Include partners bringing **in-kind contributions**

- Ensure that **all information requested in the call text and proposal template** is provided to allow the evaluation experts to easily assess your proposal against the evaluation criteria

- Consider & plan for the potential **regulatory impact** of results

Finding project partners

You'll need to build or join a consortium!

- Network with **your contacts & IHI Call Days participants:**
  - https://ihi-call-days.ihi.b2match.io/
  - Use EU Funding & Tenders portal **partner search tool:**
  - https://europa.eu/!QU87Nx
- Get in touch with your **IHI national contact point**:
  - https://europa.eu/!D7jyMy
- Network on social media:
  - www.twitter.com/IHIEurope
  - be.linkedin.com/company/innovative-health-initiative

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Call 6

15 Jan	**14:30**	Rules & procedures: two-stage calls
16 Jan	**10:30**	RWD / RWE in decision-making
16 Jan	**14:30**	Treatment persistency

Call 7

Pitches Info sesions

10 Jan	**10:30**	Management of heart disease
10 Jan	**14:30**	Optimised hospital workflows
11 Jan	**10:30**	Rules & procedures: single-stage calls
11 Jan	**14:30**	Clinical validation of biomarkers
12 Jan	**14:30**	Single-stage calls: financial aspects
23 Jan	**14:30**	Management of heart disease
24 Jan	**14:30**	Optimised hospital workflows
25 Jan	**14:30**	Clinical validation of biomarkers

COCIR *Advancing Healthcare*   efpia   EuropaBio *The European Association for Bioindustries*   MedTech Europe *from diagnosis to cure*   Vaccines Europe   Co-funded by the European Union

Join the call 7 pitching sessions

23 Jan | **14:30** Management of heart disease

24 Jan | **14:30** Optimised hospital workflows

25 Jan | **14:30** Clinical validation of biomarkers

Want to pitch?

✓ Indicate this in your profile **by 12 January**
✓ Register for the pitching session for your topic
✓ Create a participant profile and marketplace
✓ Download the slide template from the IHI Call Days portal and send us your presentation **by 19 January**

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Questions

If you want to ask a question please use the chat function on the right corner of your screen

Chat ▼

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Marketplace

# How to book your meetings via the B2Match platform

Book your meetings in **4** easy steps

1. Make yourself available
2. Look for partner on the participants tab
3. Select date, time, attendees (up to eight per meeting), add message
4. Send the meeting request and wait for the reply

Step by Step guide on how to book meetings: https://europa.eu/!fnJFFM

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Questions

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Chat ▼

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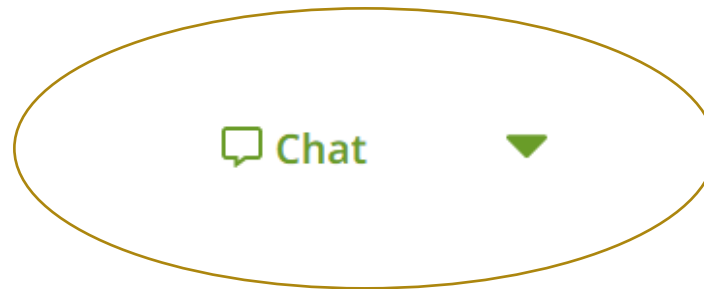
Thank you!

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Additional Slides

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Dissemination, exploitation & communication

- Importance to communicate and disseminate results throughout the full lifespan of the project
- Plan Dissemination & Exploitation measures to maximise the impact
- Plan communication measures for promoting the project and its findings
- Short description of the Dissemination, Exploitation & Communication (D, E & C) activities, together with the impact pathways in the proposal. This is an admissibility condition.
- Full-fledged D, E & C plan to be submitted as a deliverable after the first 6 months of the project.
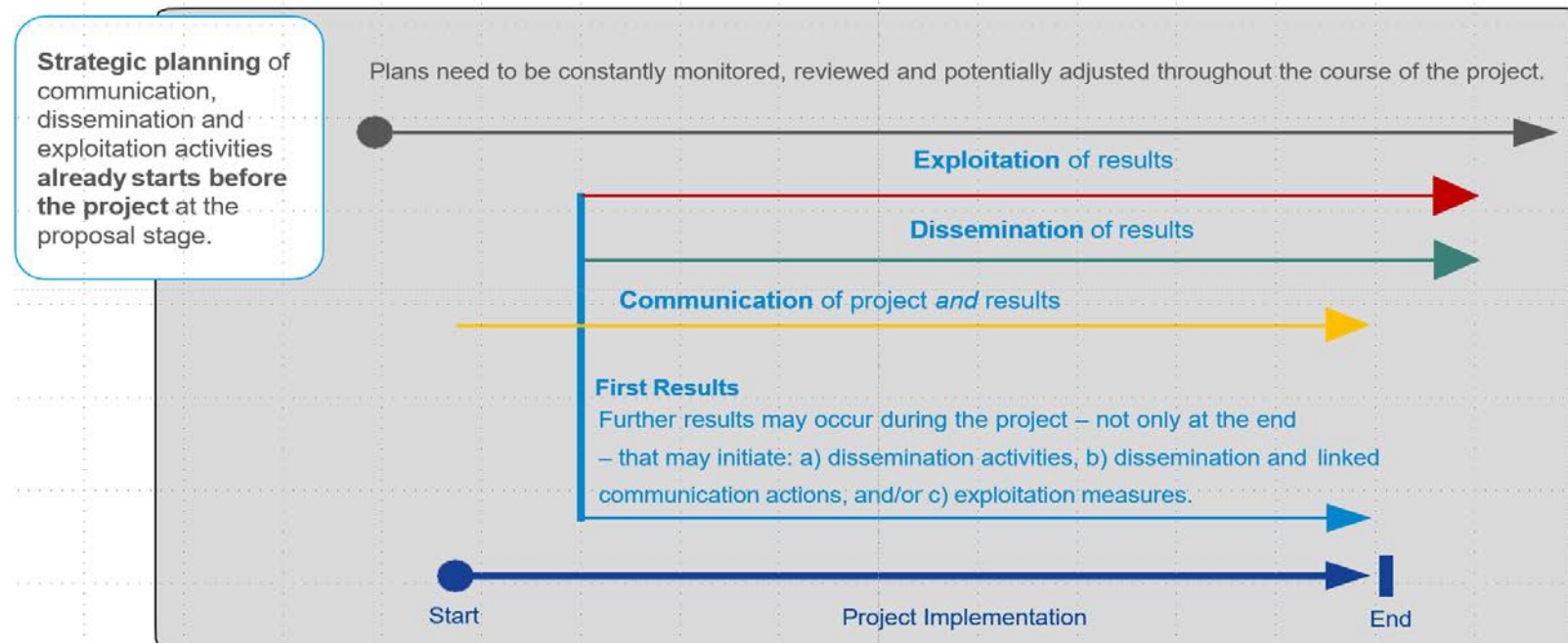
Dissemination, exploitation & communication

SPECIFIC NEEDS

What are the specific needs that triggered this project?

Example 1

Health solutions need to be better tailored to patients' needs. Novel approaches are needed to capture patients' needs and to involve them in the development a novel health technology.

EXPECTED RESULTS

What do you expect to generate by the end of the project?

Example 1

Patient-centric clinical development: Patients perspectives included in design of studies.

Patients' perspective incorporated into the evidence generated for decision making.

D & E & C MEASURES

What dissemination, exploitation and communication measures will you apply to the results?

Example 1
Exploitation: Approach to include patients' perspectives is adopted by industry in their novel health technologies development programmes.

Dissemination towards the scientific community and industry: Scientific publication of the results of the demonstration pilot

Communication towards citizens: An event in a shopping mall to show how the outcomes of the action are relevant to our everyday lives.

TARGET GROUPS

Who will use or further up-take the results of the project? Who will benefit from the results of the project?

Example 1
Healthcare industry companies: pharmaceutical (including vaccine), biopharmaceutical, medical (and digital) technologies, etc.

Scientific community (clinical research investigations, and testing activities of health solutions)

End-user of the novel health technology: patients and citizens

OUTCOMES

What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?

Example 1
Healthcare industry partners: novel health technologies adapted to patients' needs.

Use of the scientific results published (measured through the bibliometric indicators of the project publication).

IMPACTS

What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the topic text?

Example 1
Scientific: New approach to patient engagement in the development of novel health technologies tailored to the patients needs.

Economic/Technological: Health solutions designed with the patients in mind will facilitate the adoption of the health technology by the market / healthcare system

Societal: Patients will benefit from truly patient-centric health technologies (designed from the start based on their needs)

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Thank you for your attention

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efpia

EuropaBio®
The European Association for Bioindustries

MedTech Europe
from diagnosis to cure

Vaccines Europe

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