

## **European Medical Information Framework**

## E-managing the future of health data Budapest 17 March 2016







To be the trusted European hub for health care data intelligence, enabling new insights into diseases and treatments

EMIF supports flow from:







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## Why is EMIF needed? Secondary use of health data to enrich research



## The "burning platform" for life sciences



The value of healthcare data for secondary uses in clinical research and development - Gary K. Mallow, Merck, HIMSS 2012



# Project overview

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#### PATIENT ORGANISATION







# Project objectives



## **EMIF-Platform**



Develop a framework for evaluating, enhancing and providing access to human health data across Europe, support EMIF-Metabolic and EMIF-AD (the specific topics below) as well as support research using human health data in general

### **EMIF-Metabolic**



Identify predictors of metabolic complications in obesity, with the support of EMIF-Platform



Identify predictors of Alzheimer's Disease (AD) in the pre-clinical and prodromal phase, with the support of EMIF-Platform



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## EMIF overview





Data owners

Researchers

## EMIF supports flow from

Data Discovery  $\rightarrow$  Data Assessment $\rightarrow$  Data Reuse



# RWD application domains in pharma

**Development** Discovery **Deployment Biomarker discovery** Predictive modelling ٠ Disease insight ٠ Trial design and • generation feasibility analysis (opportunity EHR-facilitated identification) recruitment Analysis treatment • Prospective cohort pathways selection Collection clinical & • economic evidence

> Ongoing efficiency & safety monitoring



# **RWD** benefits



| EMIF context – healthcare perspective          |                                      |  |                               |  |
|--|--------------------------------------|--|-------------------------------|--|
|  | Epidemiology                         | Decision<br>Support                          | Adherenœ<br>Support           |  |
|  | EHR He                               | althcare Professional                        | Quality<br>monitoring         |  |
| Wellness History Diagnosis Treatment Adherence |                                      |  |                               |  |
|  | PHR                                  | Patient                                      | Patient<br>support            |  |
|  | Randomized<br>Clinical Trial<br>info | comes info<br>genotype<br>henotype<br>Safety | t<br>y - naturalistic<br>data |  |
| efpia imp                                      |                                      |  |                               |  |



## benefits for stakeholders

#### Patients

- Improved management of their disease, e.g. adherence
- Better care through integration of information
- Optimal outcome because best information is available to HCP at point of care
- Reduction of repeat interventions

#### Healthcare Professionals

- Improved decision-making at the point of care
- Holistic view on patients
- Quality monitoring supports
- certification and benchmarking • Data driven "case-management" approach
- Predictive screening and preventative interventions

#### Payers / Policymakers

- Integrated, "systems" approach ensuring the most efficient use of resources
- Improved mid, long-term outcomes for members
- Possibility to profile as healthcare innovator focused on improving care

#### Pharma

- "Making a difference"
- Building trust as partner for HCPs and patients
- Gaining unique insights through
- partnering
- Access to health information to guide
- in product life cycle management
- Improve company image

## Better insights lead to better health

