



La investigación
y la protección de la
Salud en la era del
Big Data:
¿Oportunidad o Mito?

2ª MESA: SISTEMAS DE INFORMACIÓN DEL SISTEMA NACIONAL DE SALUD
EL USO SECUNDARIO DE DATOS CLÍNICOS

21 marzo 2017

Ministerio de Sanidad, Servicios Sociales e Igualdad

Salón de Actos Ernest Lluch



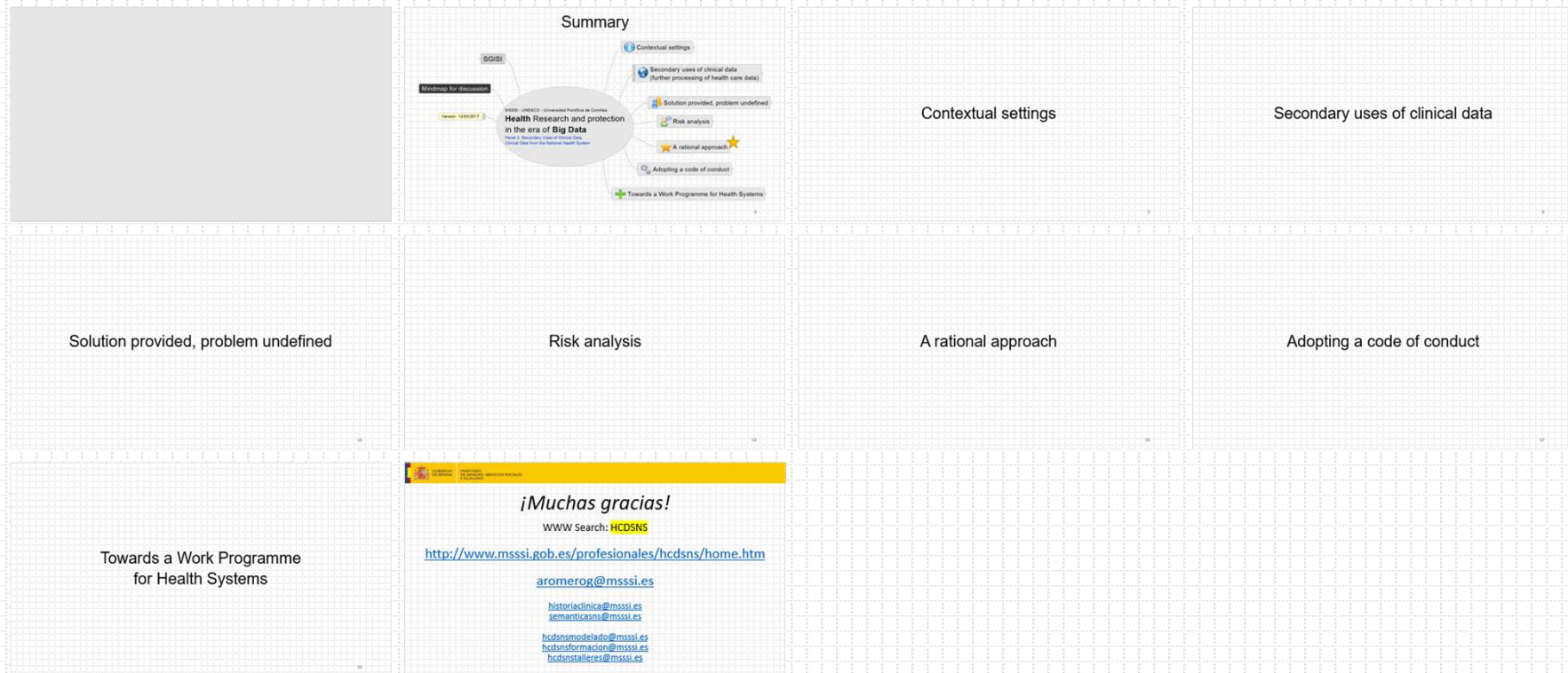
Arturo Romero Gutiérrez

Área de Sistemas Clínicos de Información

Subdirección General de Información Sanitaria e Innovación

Ministerio de Sanidad, Servicios Sociales e Igualdad

Content view



UNESCO – Health Big Data
National Health System Health Information Systems
Secondary use of clinical data

Clinical Data from the National Health System

Arturo Romero Gutiérrez, MD, PhD
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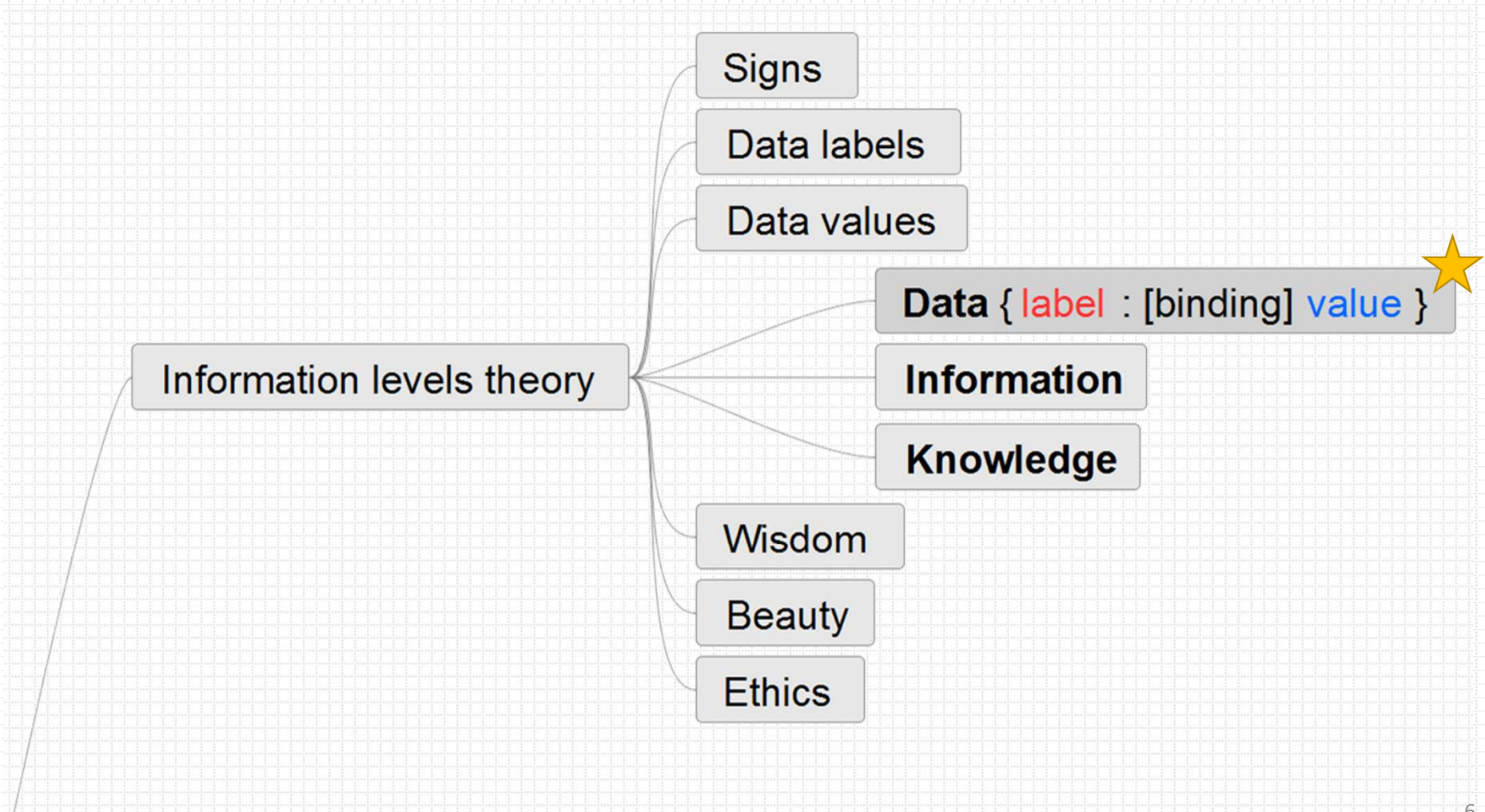
Madrid, 21/03/2017

Summary

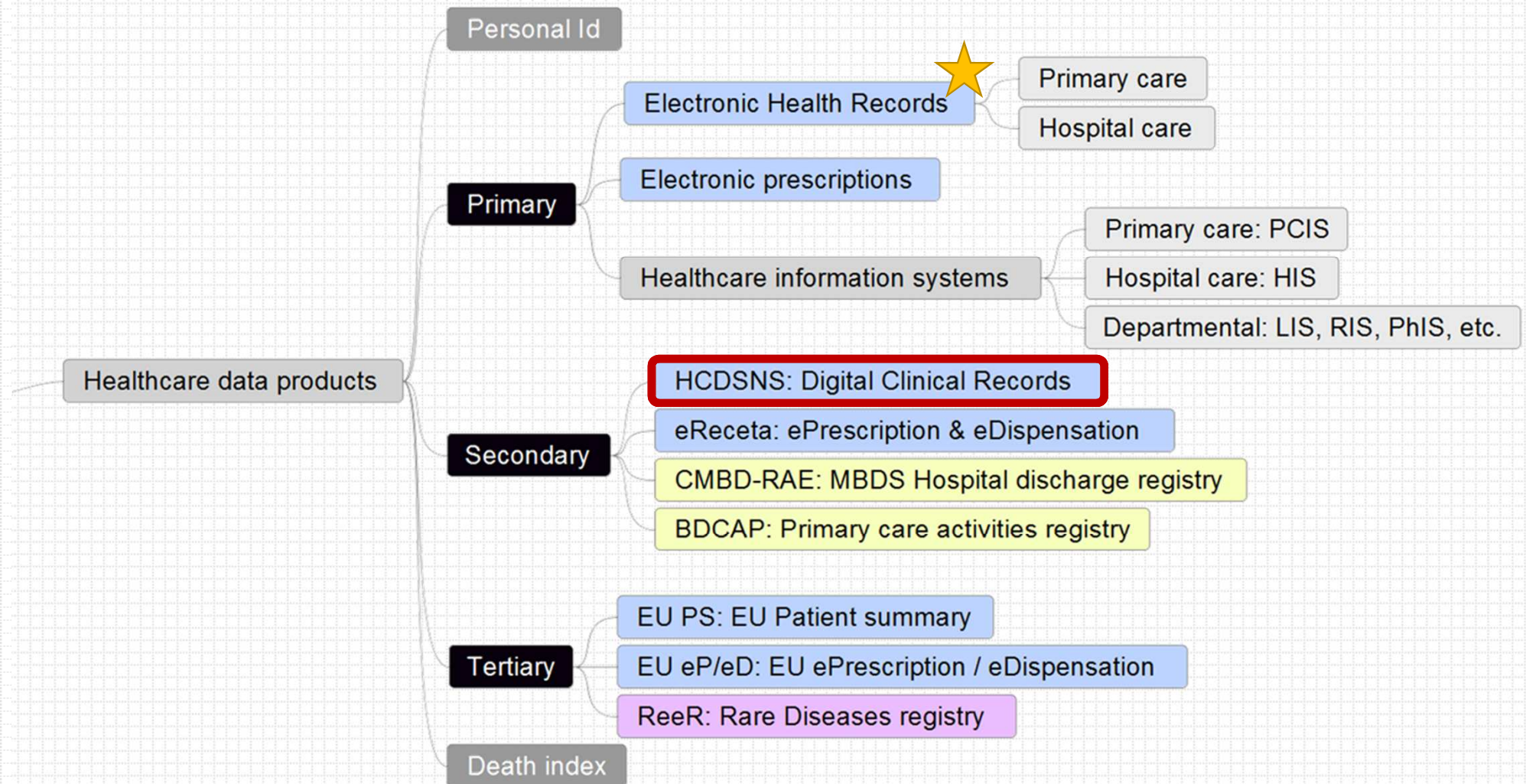


Contextual settings

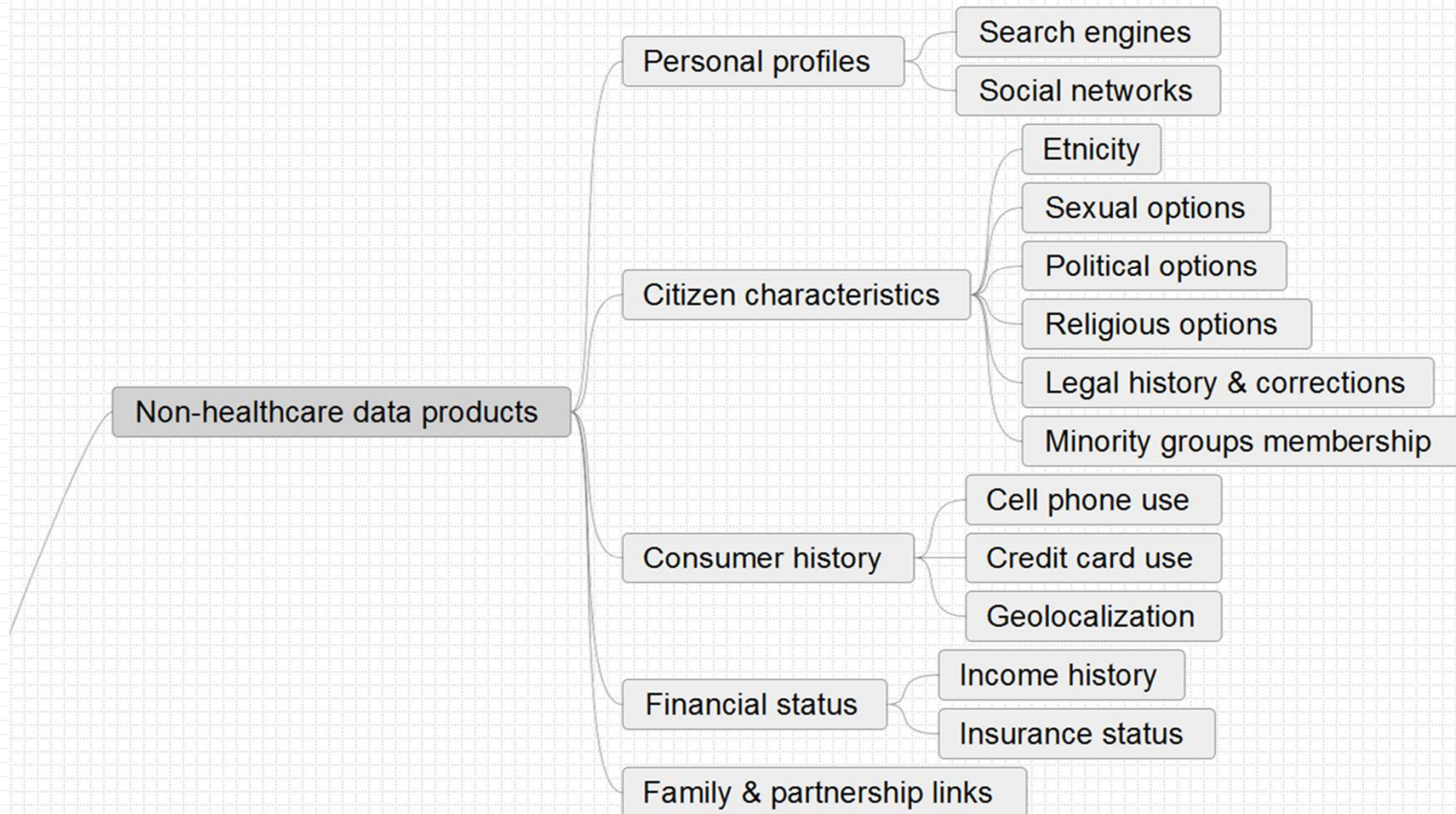
Information levels theory



Primary use & secondary use levels

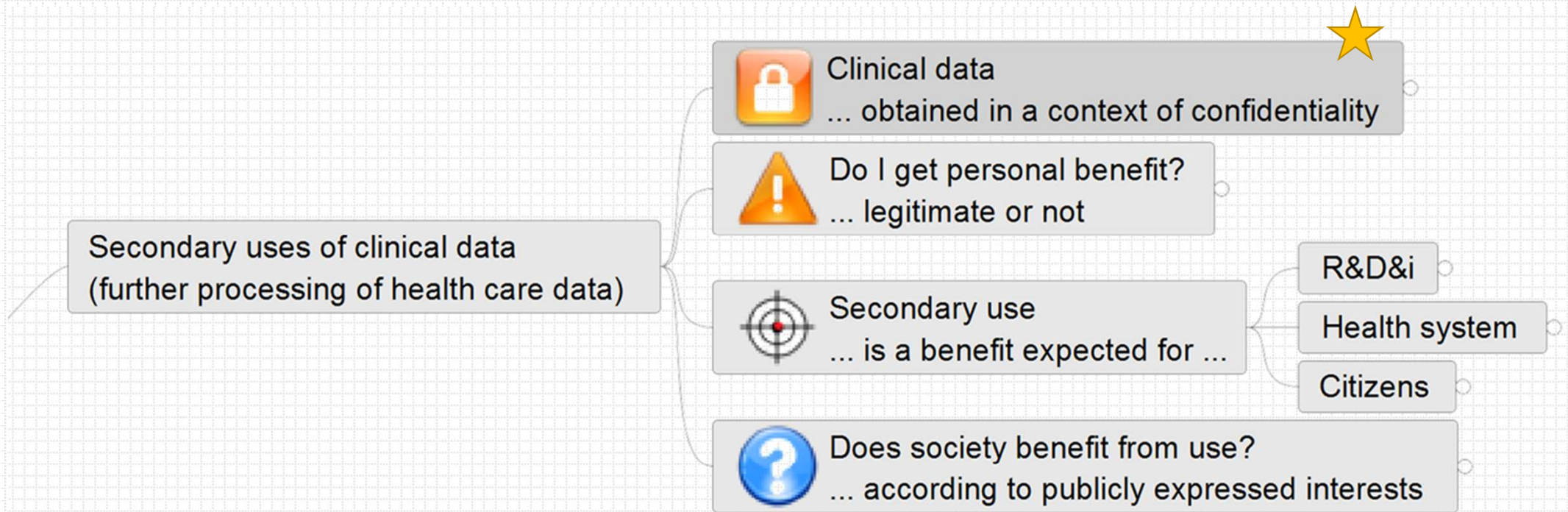


Non-healthcare is *huge data*



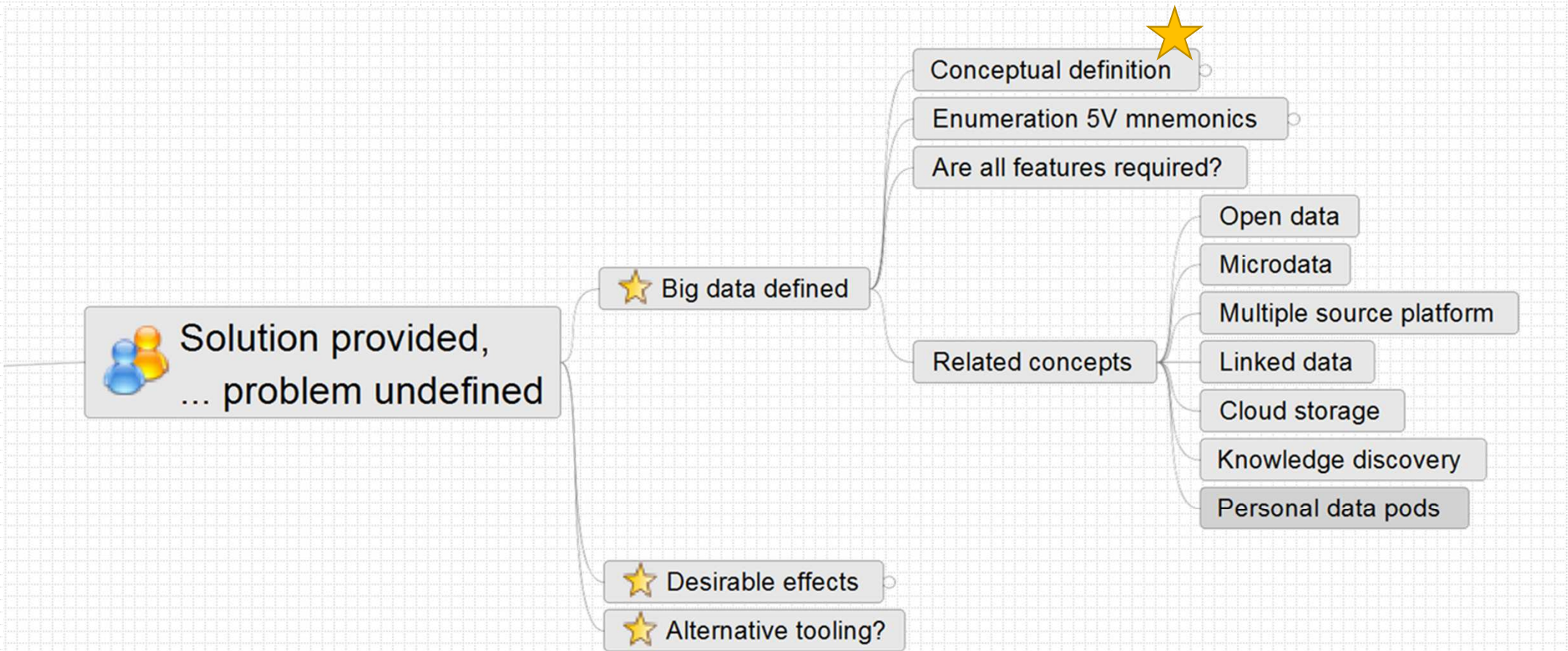
Secondary uses of clinical data

Who gets benefit from Secondary Use?



Solution provided, problem undefined

Solution provided, problem undefined



Risk analysis

Risk analysis



Risk analysis



Just use free text, you don't need that old-school standardization!



Borders between sources of information are being blurred!



Link to non-healthcare sources for powerful analysis!



Do not try to regulate, we know better!



We will be generous if you disclose your data!



If you don't use our services, you're obsolete!



A rational approach

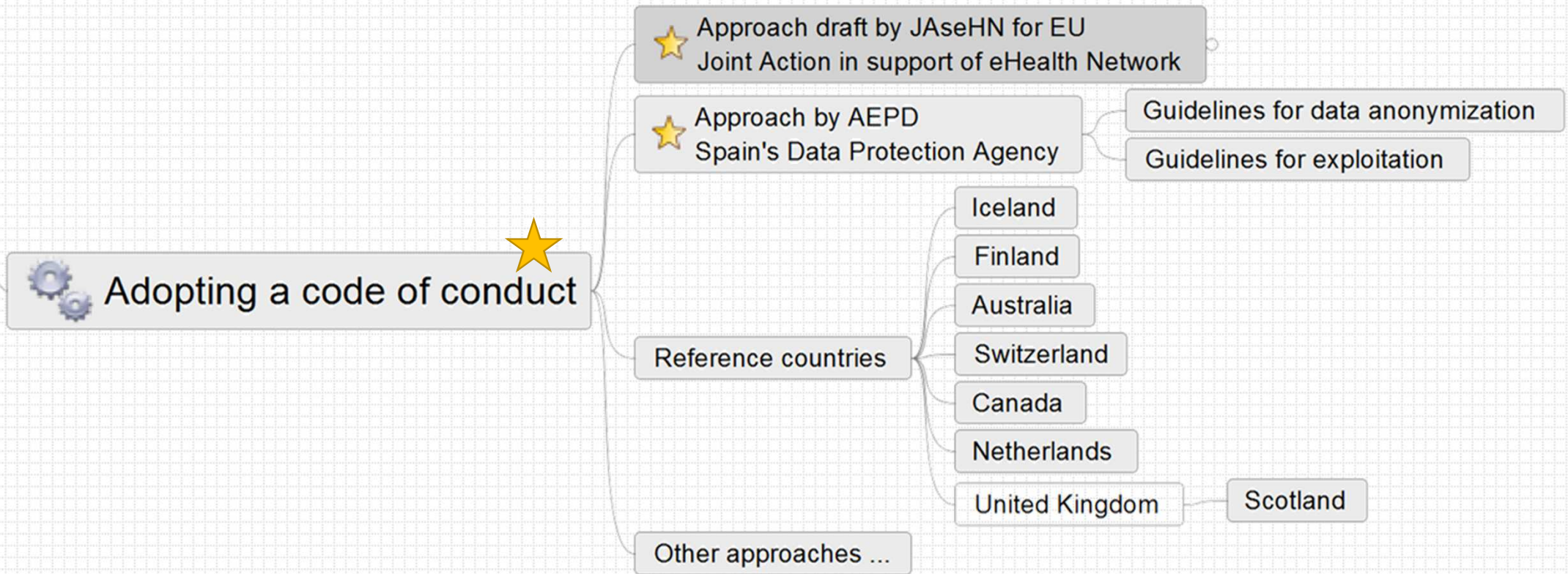
A rational approach

★ A rational approach

- ➡ Zero risk is beyond possible
- 🔒 Basic protection measures first
- ★ Governance authority model ★
- 🚦 Approval process of secondary use proposals
- 📝 Informed consent procedures (when required)
- 🕒 Processing operations
- 🔍 Additional requirements

Adopting a code of conduct

Adopting a code of conduct



Towards a Work Programme for Health Systems

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Towards a Work Programme for Health Systems



Analysis of AEPD Guidelines



Code of Conduct (final version) analysis



UNESCO Report & Recommendations



Promoting Consensus Guidelines for the SNS
(National Health System)



Participation in SNS special projects



Leading EHR Implementation Forums





¡Muchas gracias!

WWW Search: **HCDSNS**

<http://www.msssi.gob.es/profesionales/hcdsns/home.htm>

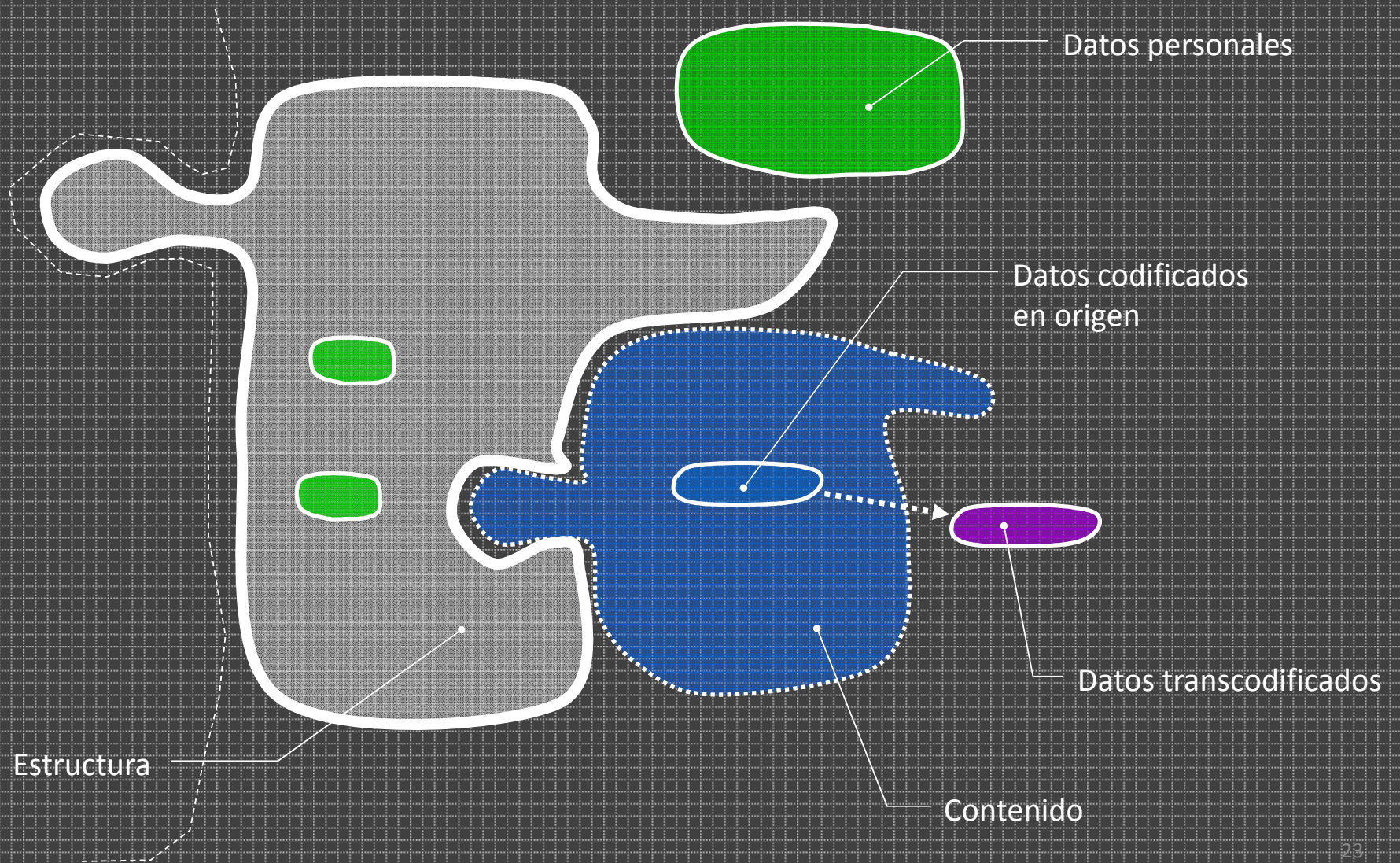
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hcdsnsmodelado@msssi.es
hcdsnsformacion@msssi.es
hcdsnstalleres@msssi.es

Requests and comments ...

Preparando la HCE para usos secundarios ...



“Historias clínicas que nos guíen y nos enseñen” (1)



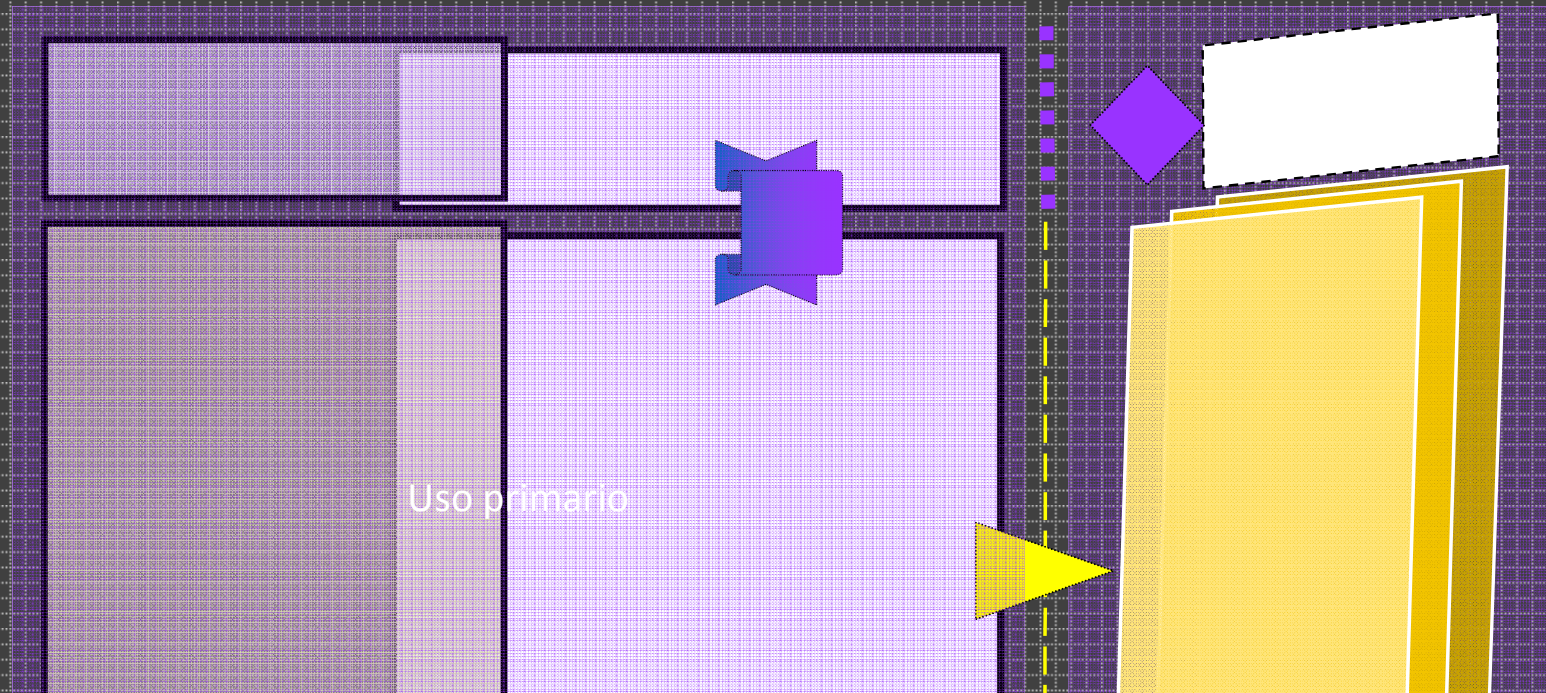
Identificación

Datos clínicos

Estructura

Valores primarios

Valores secundarios



Datos para uso interno (no orientados a informar al paciente)

Datos reservados (con finalidad de protección)

(1) Paráfrasis sobre *Lawrence L Weed - Medical Records that Guide and Teach*

Letra 32 pt

- Letra 24 pt



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