

HIMSS[®]19

CHAMPIONS OF HEALTH UNITE

Global Conference & Exhibition
FEB 11-15, 2019 | ORLANDO

TRANSFORMACION DIGITAL CON MIRAS A VALUE BASED CARE

12 de Febrero de 2019

Cristóbal Carvajal, CMIO, Empresas Banmédica / TISAL

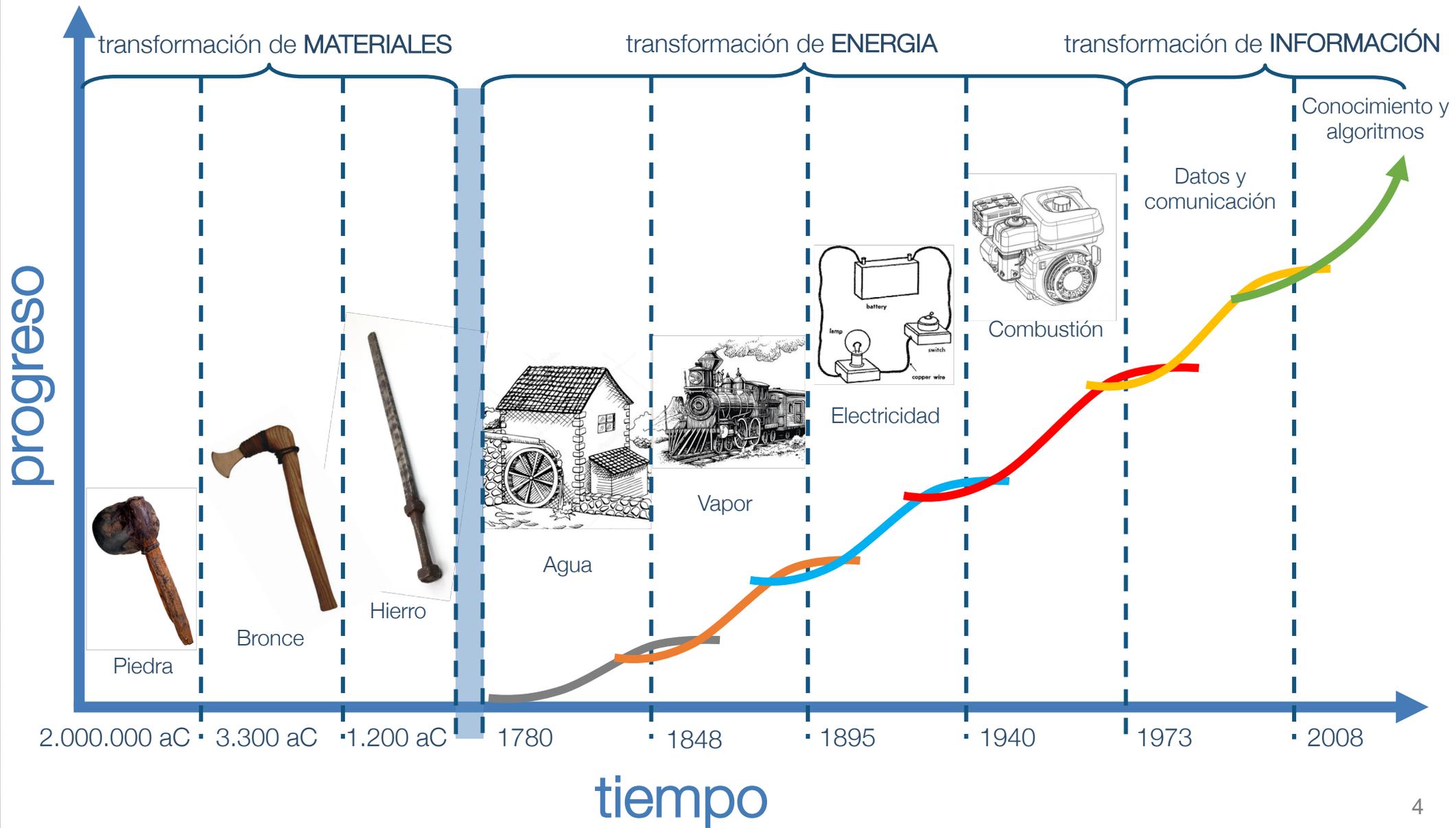
Conflictos de Interés

Cristóbal Carvajal, CMIO Empresas Banmédica / TISAL

Declaro no tener conflictos de interés.

Agenda

- Evolución del progreso
- La importancia de los datos
- Tipos de datos
- EHR's
- Value Based Care
- Uso de tecnologías para apoyar el cambio hacia Value Based Care



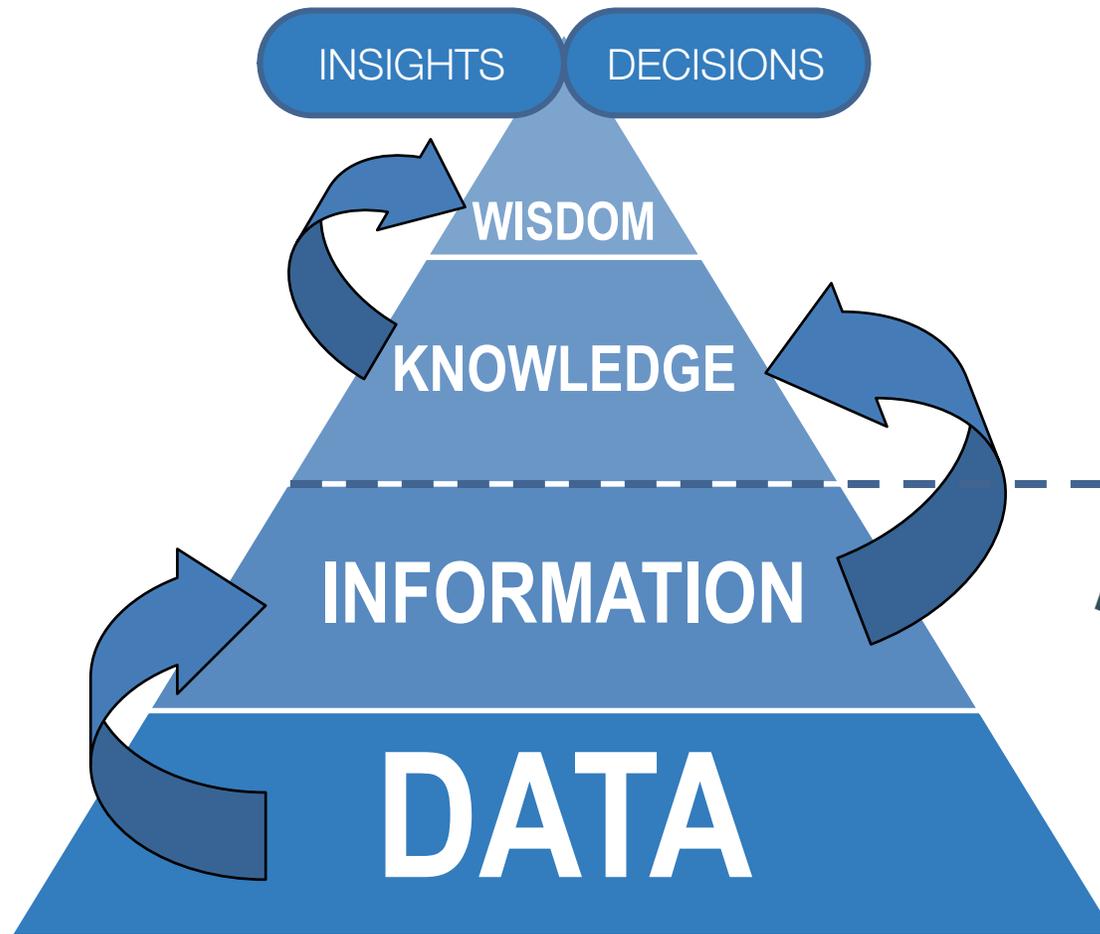
¡El recurso más valioso del mundo ya no es el PETROLEO!



El futuro y desarrollo actualmente tienen una gran base en...

DATOS

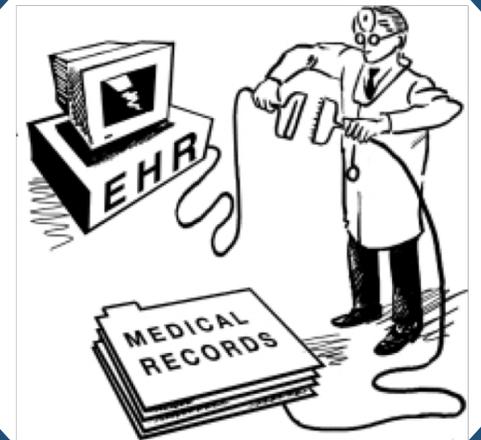
A partir de datos podemos generar conocimiento y tomar decisiones



“War is 90%
information”

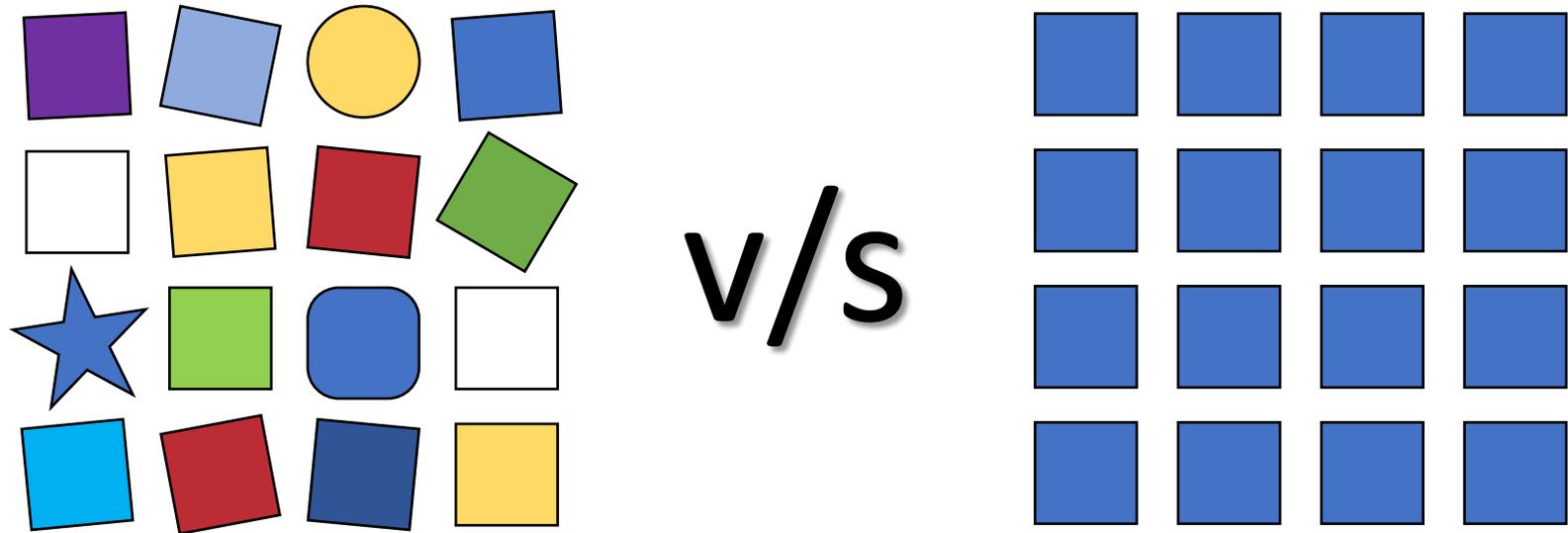
Napoleon Bonaparte

Electronic Health Records (EHR's)



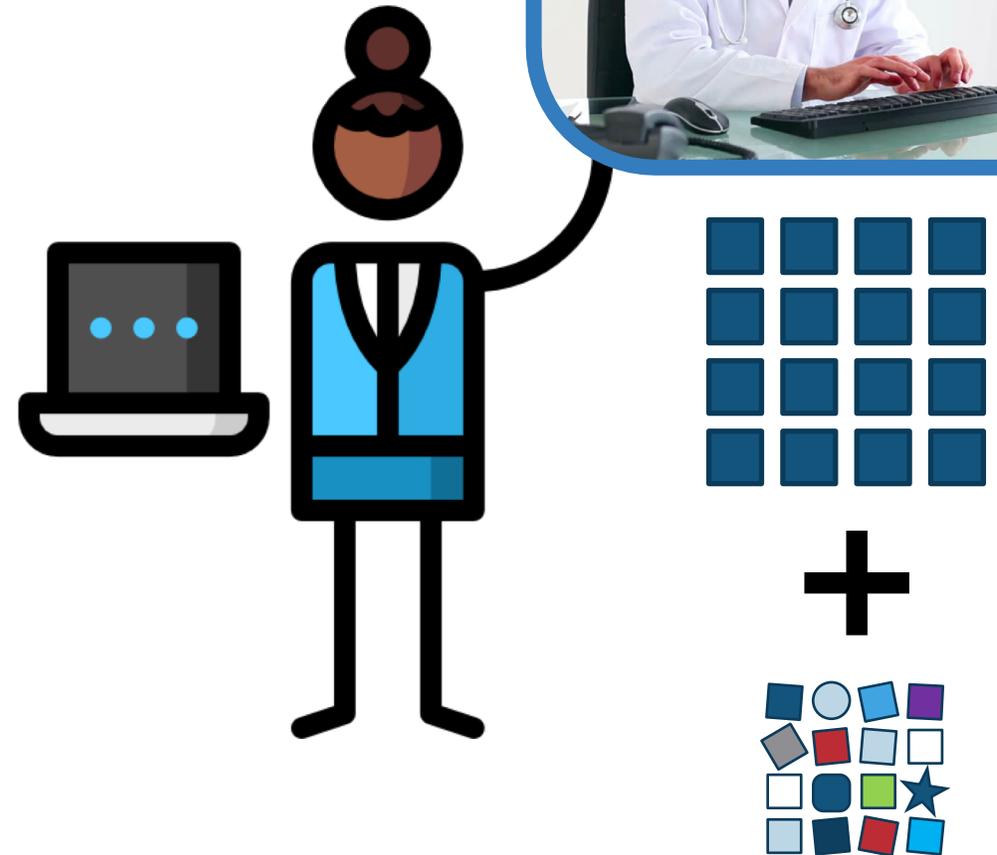
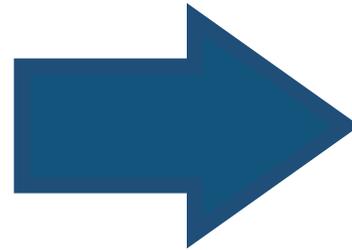
Si no tenemos datos, estamos **CIEGOS**

Datos estructurados V/S NO estructurados

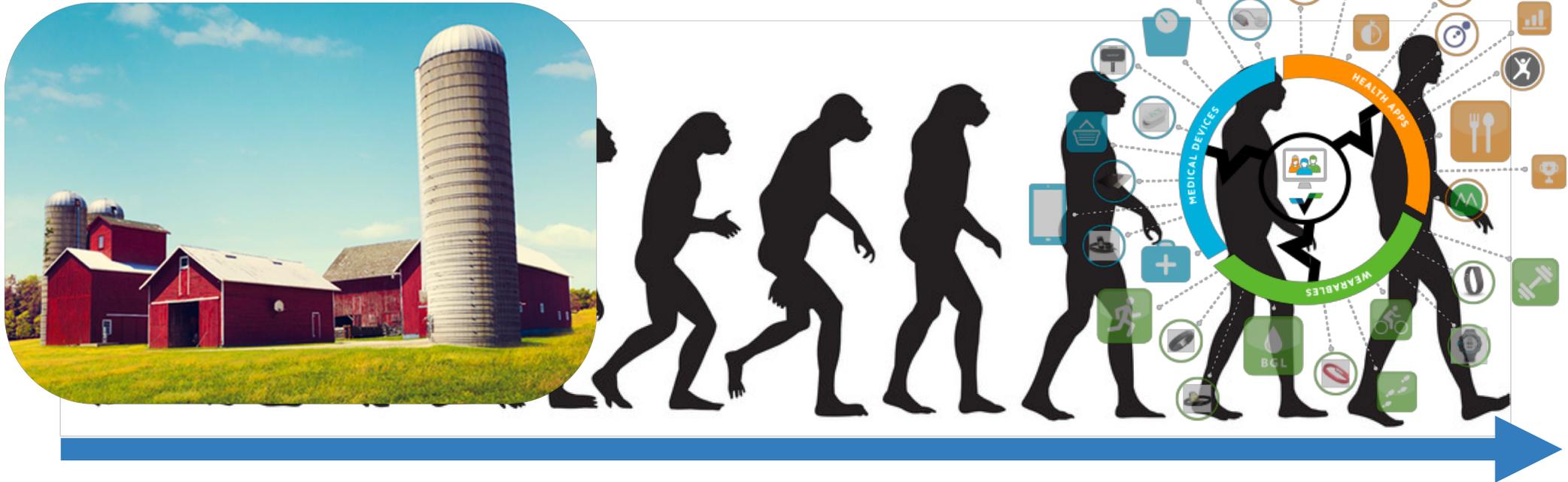


“Up to **70%** of the information in the EHR’s is being stored as **natural language**”

Del papel a formato digital... ¡GRAN OPORTUNIDAD!



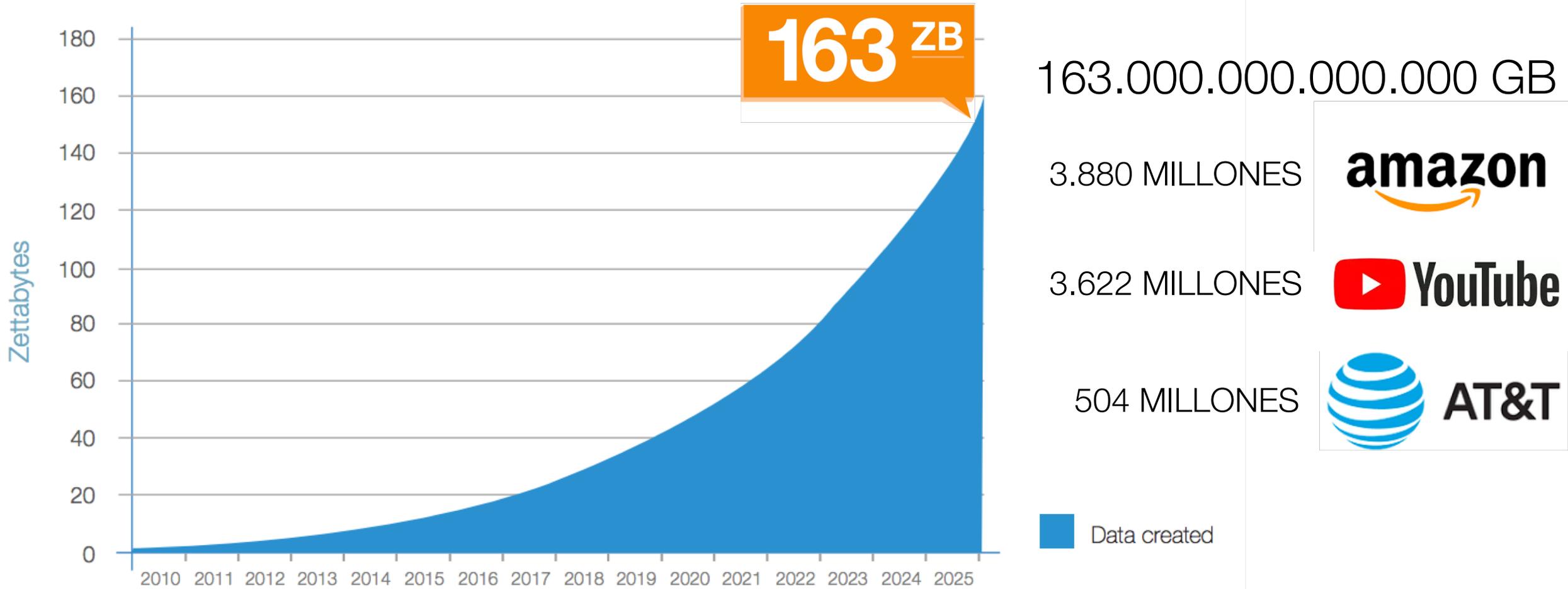
Evolución del manejo de datos en Salud



1960's

2019

¡Las proyecciones de crecimiento son enormes!



Data Age 2025: The Evolution of Data to Life-Critical. Don't Focus on Big Data; Focus on the Data That's Big. David Reinsel, John Gantz, John Rydning | IDC White Paper | April 2017

“If you can't measure it,
you can't improve it”

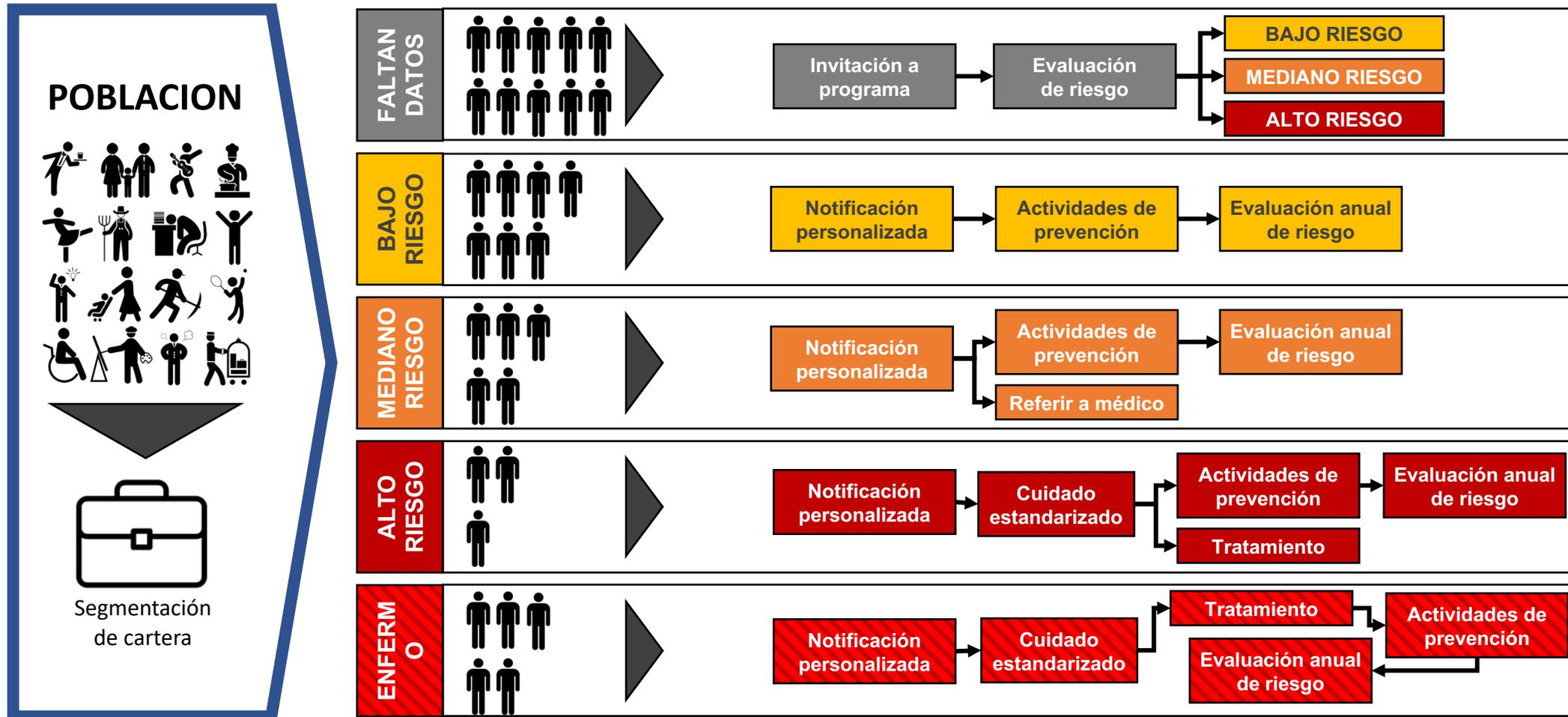
Lord Kelvin



Value Based Care



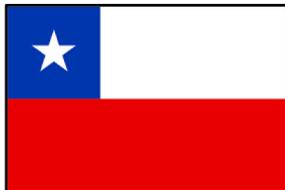
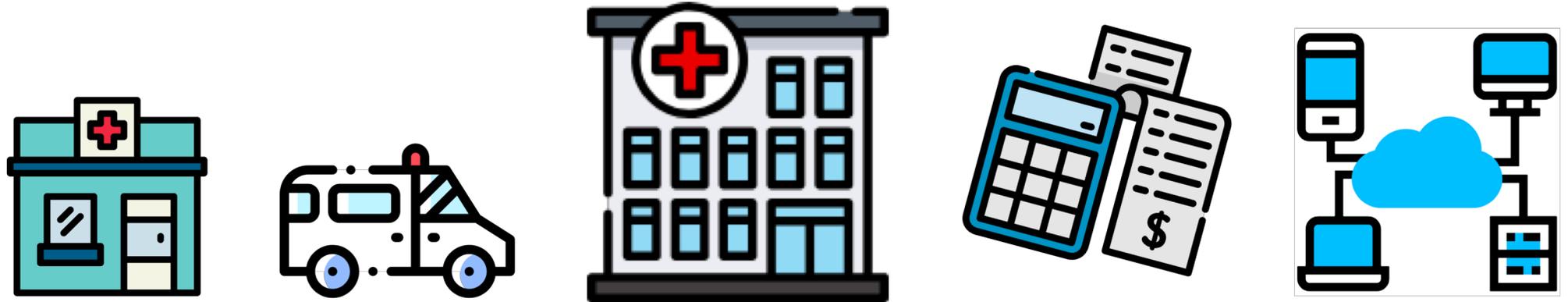
Intervenciones dirigidas optimizan los resultados clínicos



¿Como podemos lograr los mejores resultados?

Estamos viviendo TRANSFORMACIONES DIGITALES

BANMEDICA



Mejorando nuestro EHR's para Value Based Care

1/2 del tiempo en el escritorio (EHR interactions)

Nearly half of physicians' total time (49.2%) was spent on EHR and desk work. Of this time, 38.5% was spent on documentation and review tasks, with the remainder spent on test results (6.3%), medication orders (2.4%), and other orders (2.0%). Physicians spent 1.1%

Sinsky C et al. Allocation of Physician Time in Ambulatory Practice: A Time and Motion Study in 4 Specialties. *Ann Intern Med.* 2016;165(11):753-760

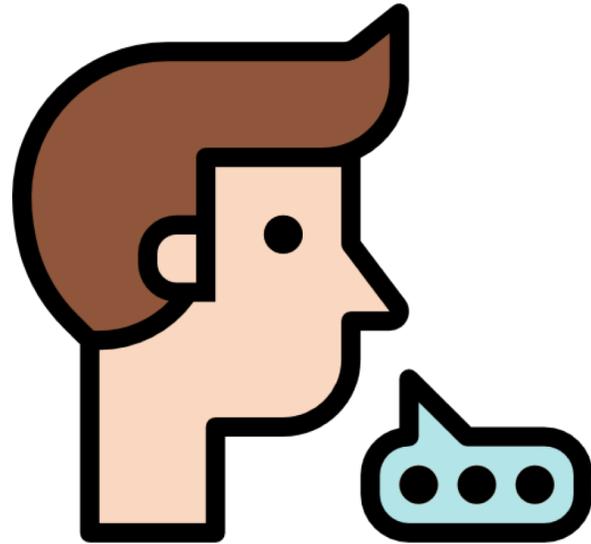
Diferentes soluciones... una de ellas: **ESCRIBANOS**



Más de 17.000
escribanos médicos!
(USA 2016)



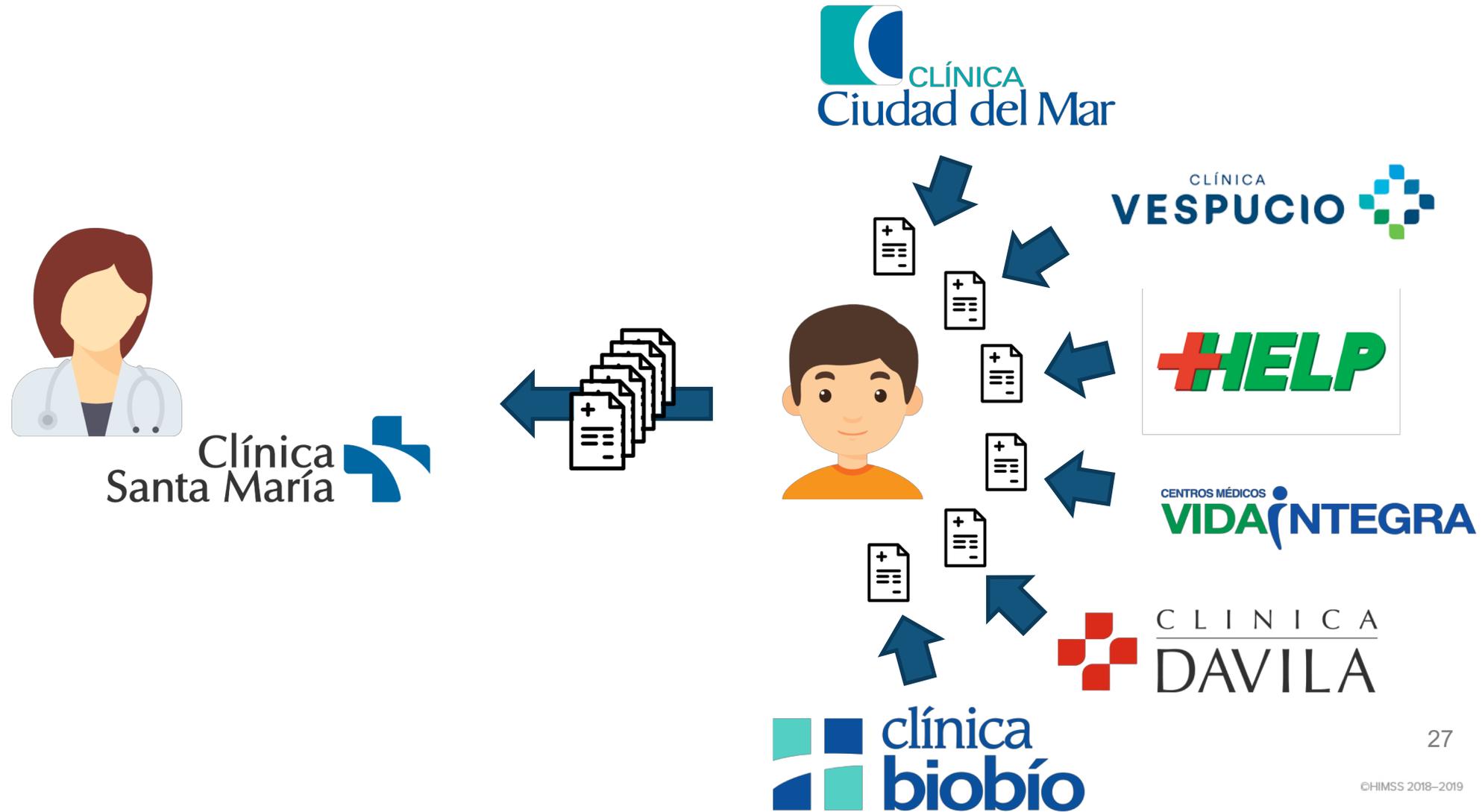
Reconocimiento de voz (speech-to-text)



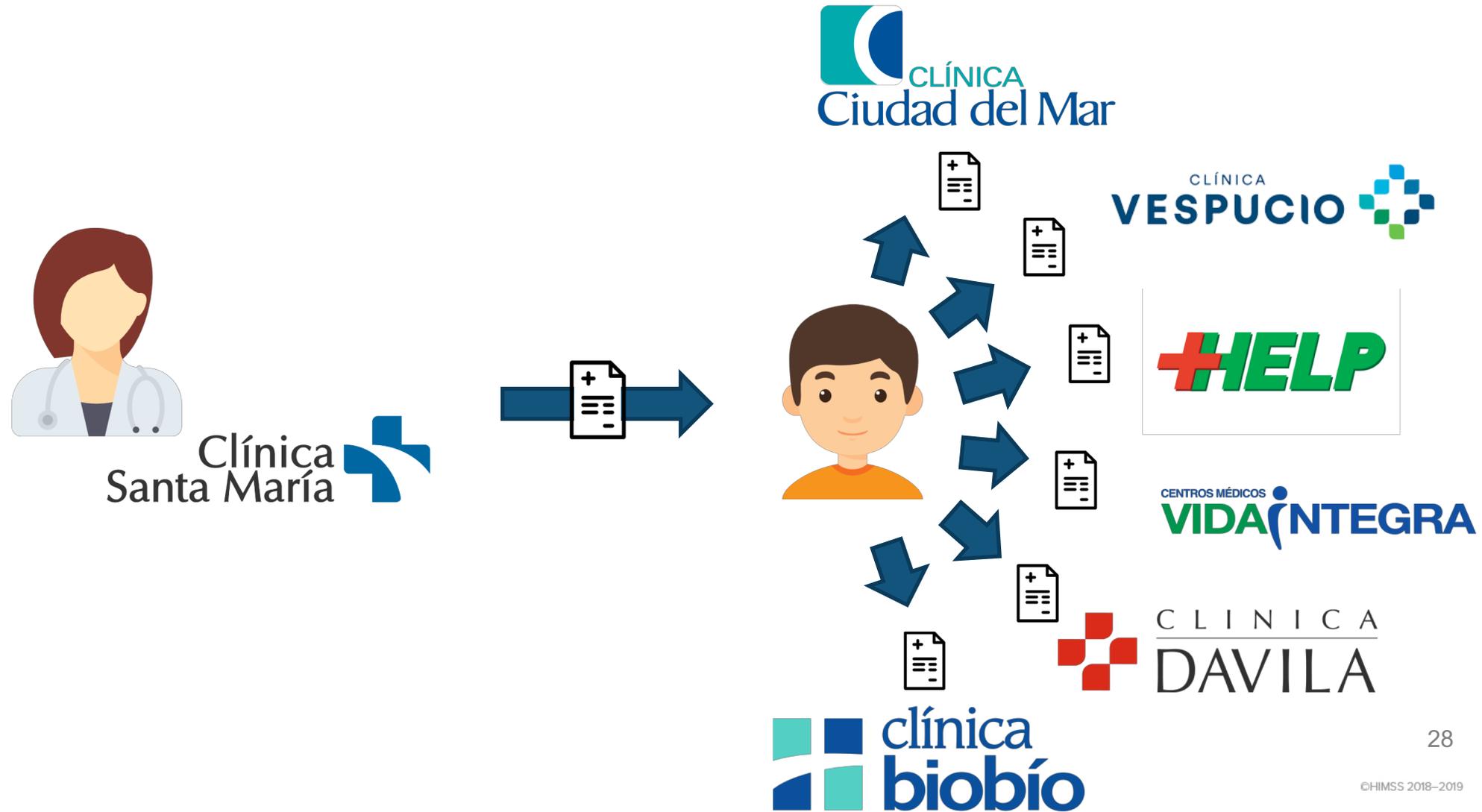
Ayudando a los clínicos



Intercambio de datos de manera bidireccional



Intercambio de datos de manera bidireccional



[HUMANO] vs [HUMANO + TECNOLOGIA]



↑
Persona sin
soporte

ORDER SET: INDICACIONES MEDICAS

DIAGNÓSTICO



RECOMENDACIONES DE
MANEJO MÉDICO



IMÁGENES



EXS LABORATORIO



OTROS EXAMENES



MEDICAMENTOS

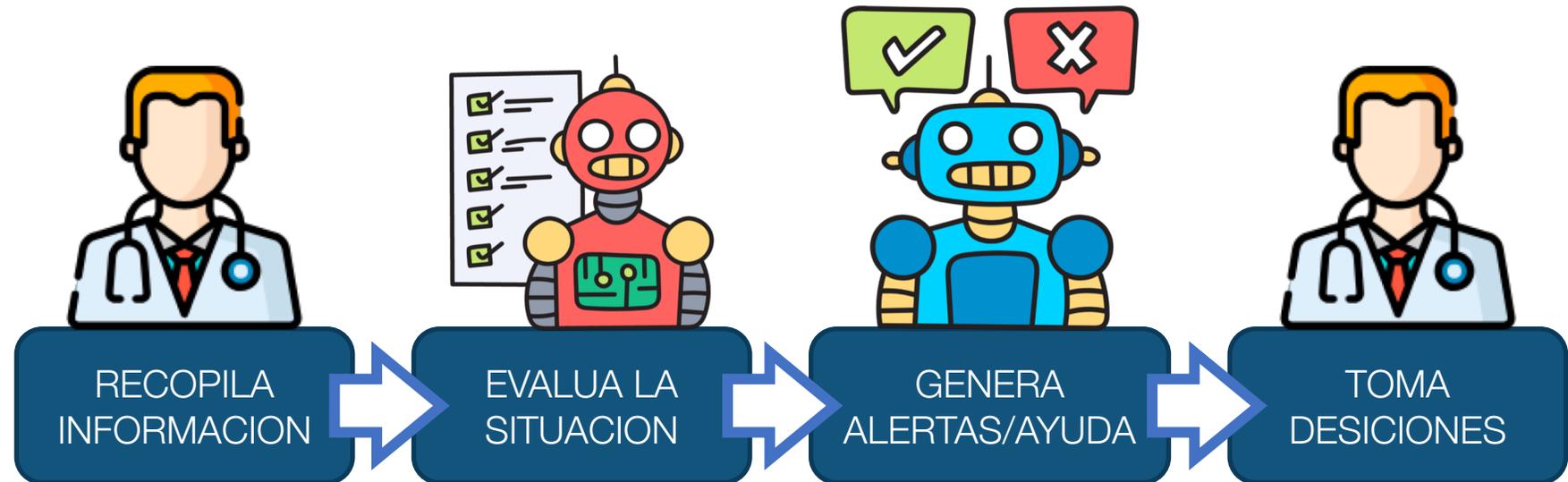


INDICACIONES



INTERCONSULTAS

Clinical Decision Support Systems (CDSS)

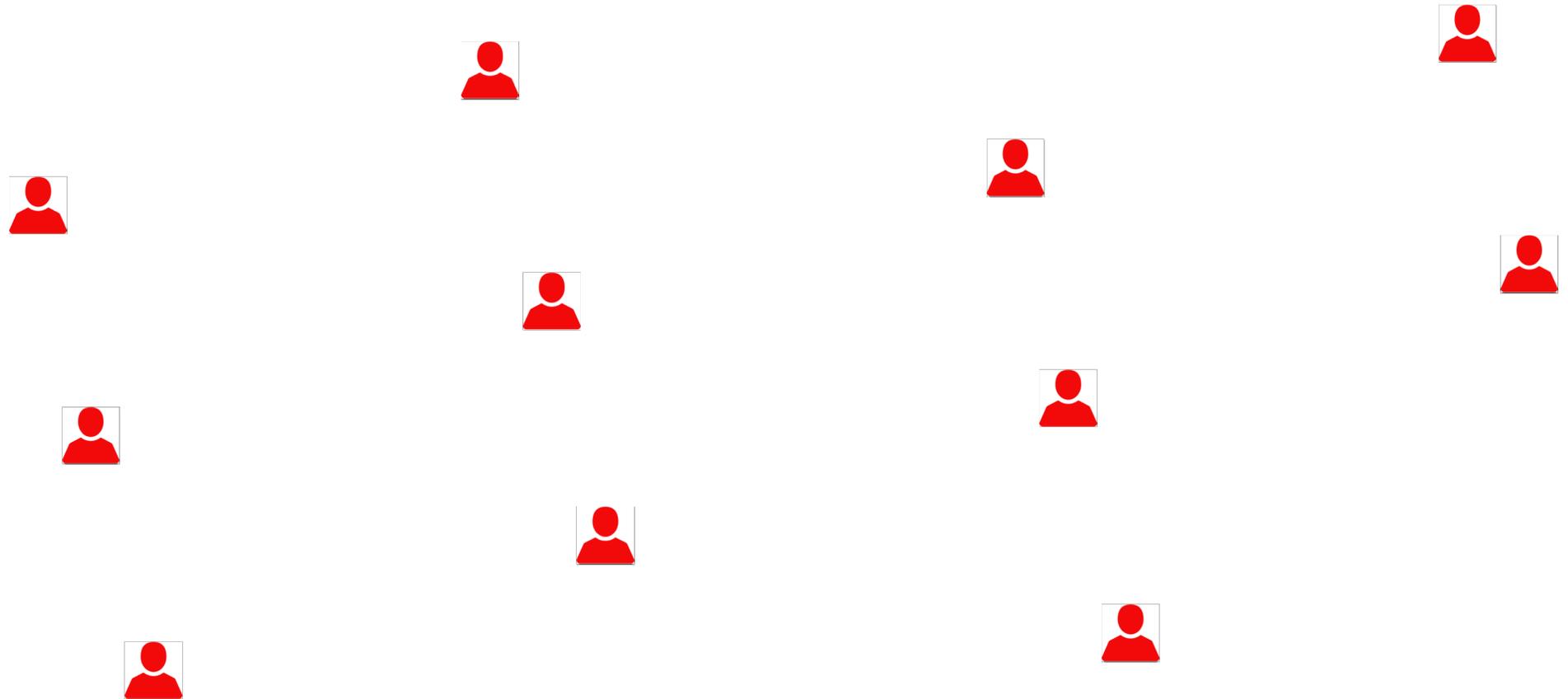


↑ CALIDAD ↑ SEGURIDAD ↑ EFICIENCIA ↑ EFECTIVIDAD

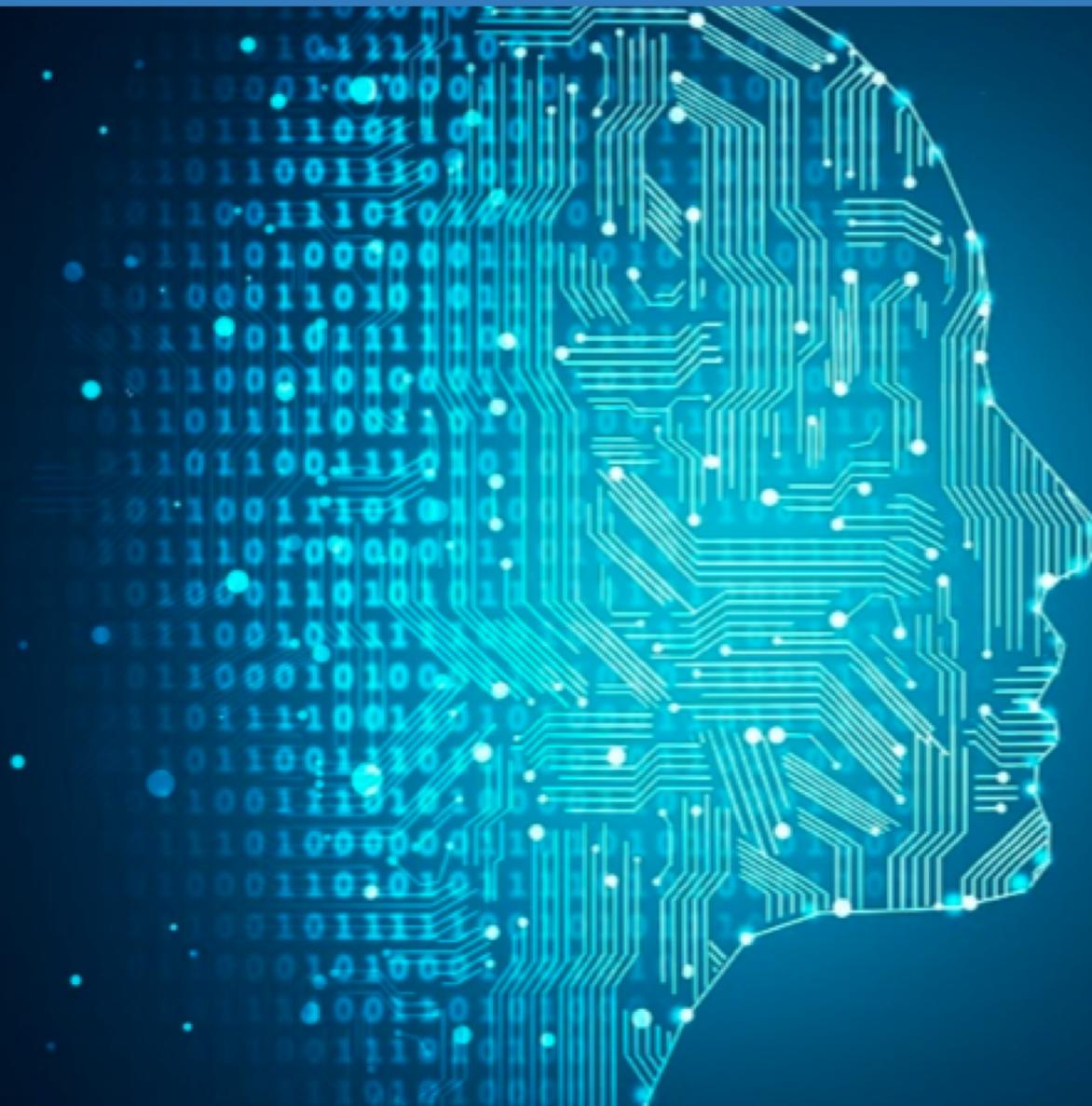
Identificando a los pacientes



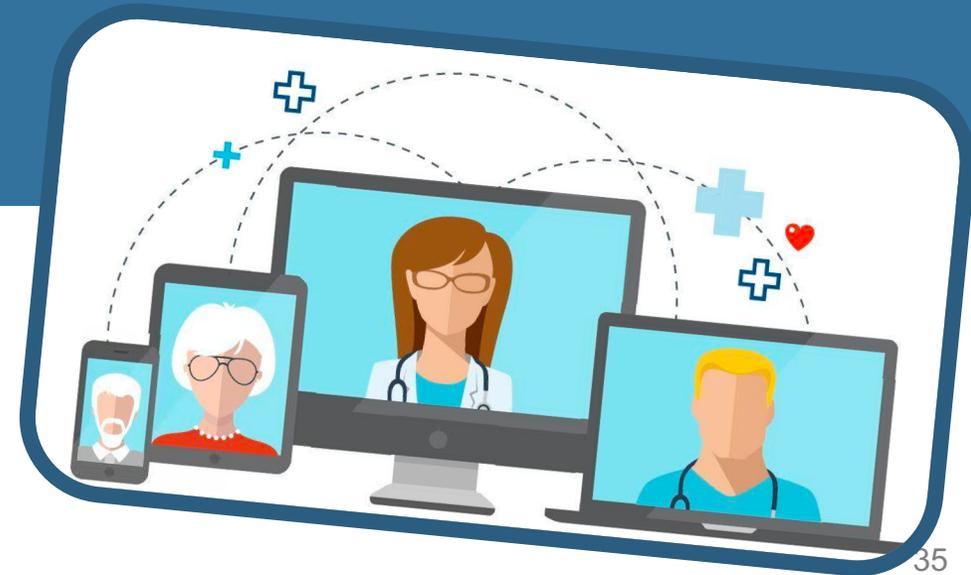
Identificación de cohortes específicas



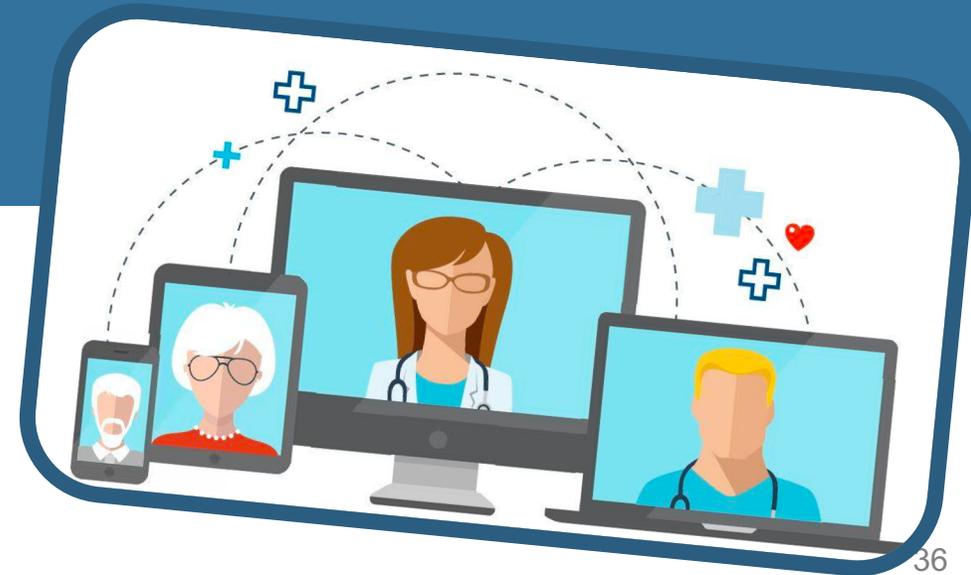
Inteligencia Artificial (IA), gran aporte!!



Telemedicina



Analítica



NEW MINDSET

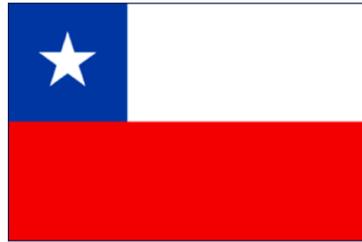


NEW RESULTS

“In God we trust.
All others must
bring data”

W. Edwards Deming





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