

DiálogosPHC

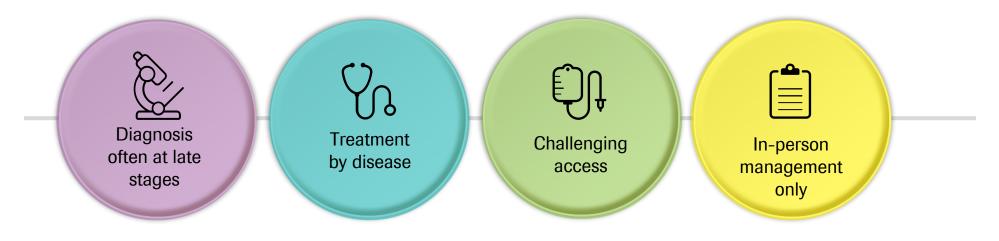
Personalized Medicine

TRANSFORMING HEALTHCARE



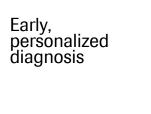
The Healthcare System was not designed to face the challenges of our time.

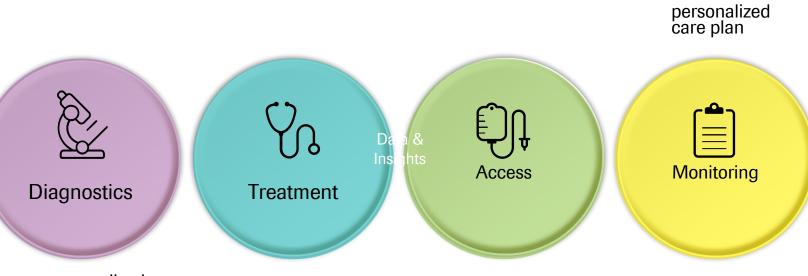
Patient experience TODAY: focused on the illness



Roche

Personalized healthcare focused on knowledge about the patient and on data.





personalized remote monitoring & care

> Rapid access to personalized interventions

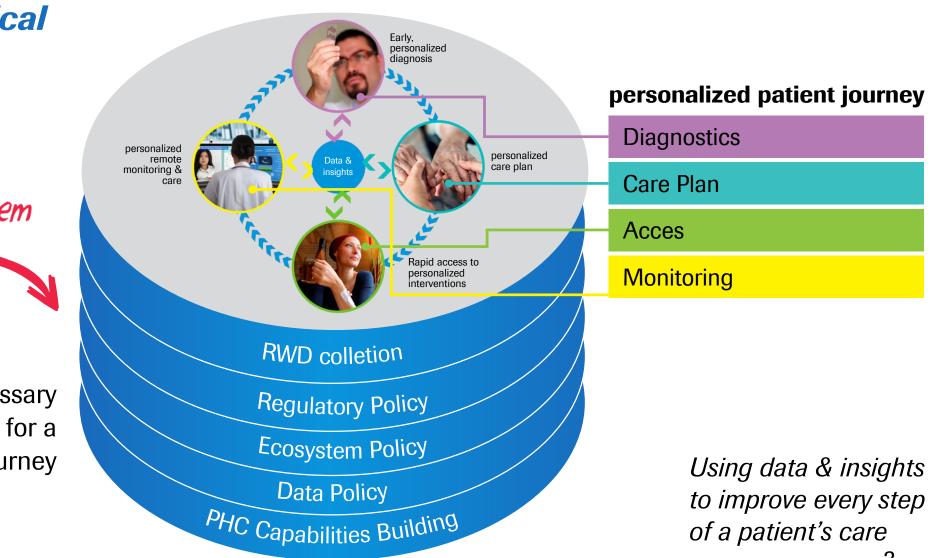
Using data & insights to improve and connect every step of a patient's care



Personalized patient care: a new medical ecosystem.



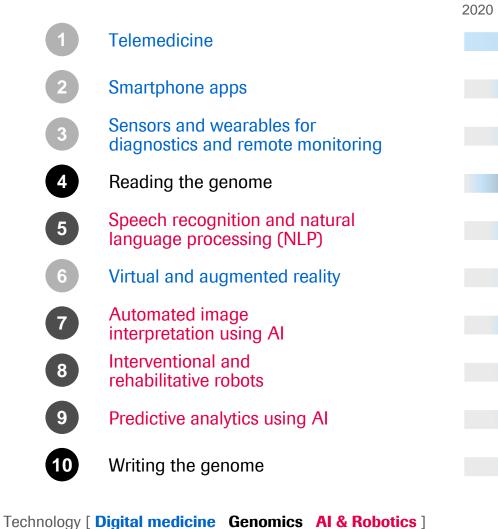
The necessary foundation for a personalized patient journey

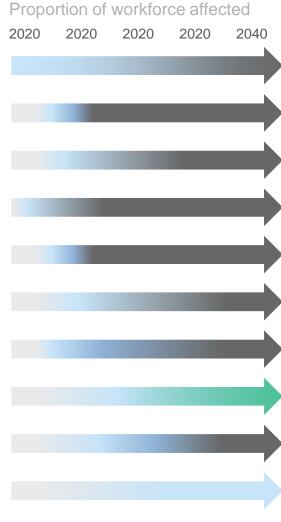




Developing new capabilities and infrastructures.



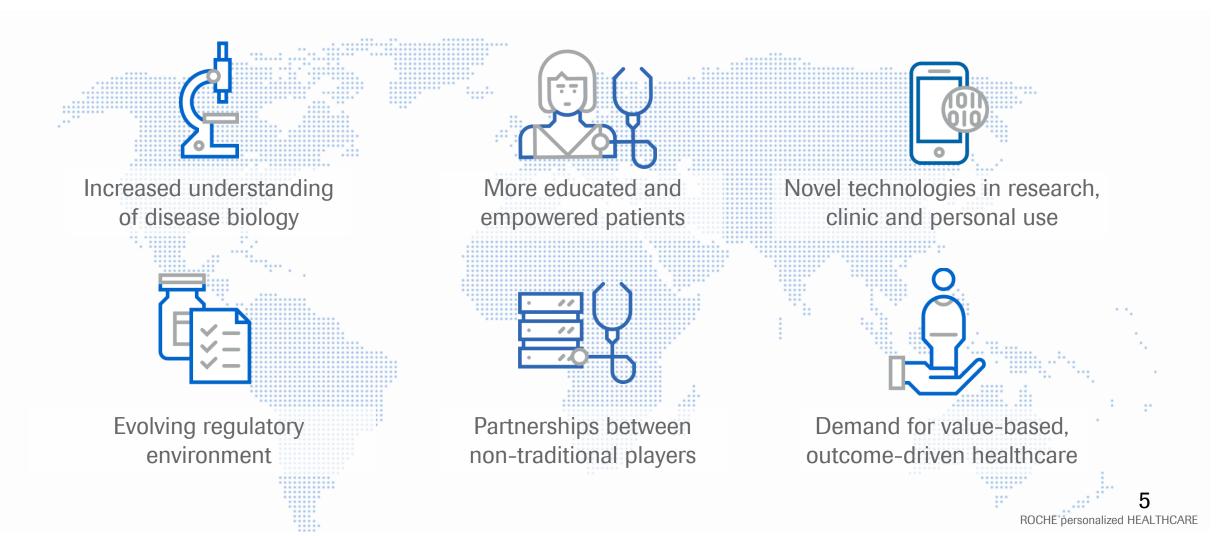






Transforming patient care.

The right treatment for the right patient at the right time.







The future of the Healthcare System.

- By 2030, healthcare will be centered on patients empowered to prevent diseases rather than seek treatment.
- They will receive personalized health solutions in ways that are integrated seamlessly into their daily lives.
- All of this will be enabled by data and algorithms and provided within a healthcare system that is organized and regulated in an entirely new way.



The future of the Healthcare System.

How national healthcare budgets will shift by 2030 (2018 vs. 2030)

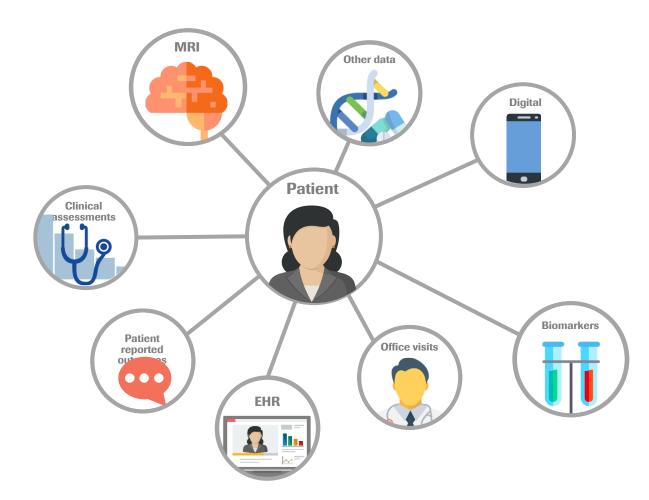
	•	EU 5				Total budget (no 2018 data)			
Total budget in 2030 (US\$ billions)	France 380	Germany <mark>570</mark>	Italy <mark>250</mark>	Spain 180	UK 330	US 4,170	China 3,390	India <mark>870</mark>	
Diagnostics	11	18	-4	4	14	185	193	49	
Preventive care	30	39	14	14	15	301	319	82	
Other (e.g., digital health)	25	32	21	13	21	244	282	72	
Government & health system	5	14	12	7	16	-30	217	56	
Medication	-1	-2	-5	-7	16	207	558	143	
Care excl. medication	-29	-28	-10	-9	-47	-185		,819 466	

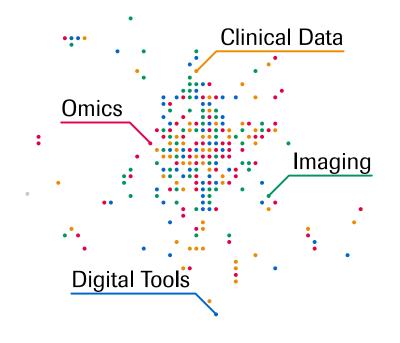
Source: OECD data; The Lancet: Strategy & analysis.

EXHIBIT 2



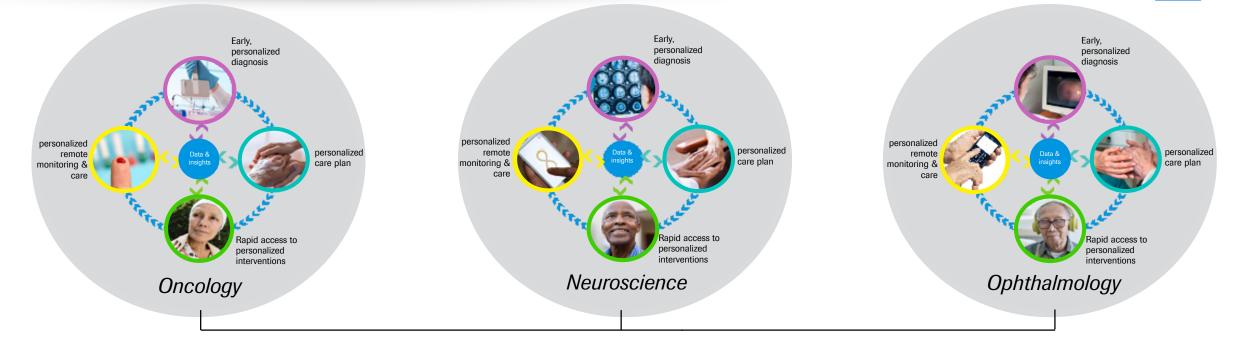
Patient data: EMR, RWD1



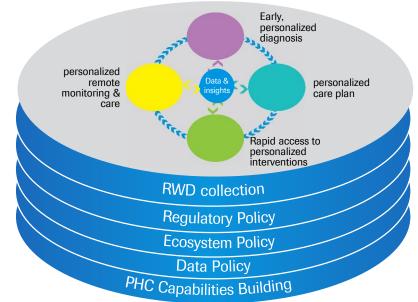


Diálogos PHC PRESENT DAY AND FUTURE CHALLENGES





A personalized healthcare ecosystem makes it possible for all therapeutic areas to provide personalized patient care.



The PHC ecosystem

will support and reinforce the ongoing development of each TA patient journey



#MadurezDigitalSalud #TecnologíaparaVivir





FENIN INDEX ON DIGITAL MATURITY IN HEALTHCARE

Analyzes the degree of maturity of the healthcare systems in the 17 autonomous regions regarding the implementation of digital tools and services.



DIGITAL MATURITY INDEX BY AREA



Fenin. (2020, June 1). ÍNDICE FENIN DE MADUREZ DIGITAL EN SAL. https://www.fenin.es/documents/document/781

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180



Precision medicine asset approvals 2018.

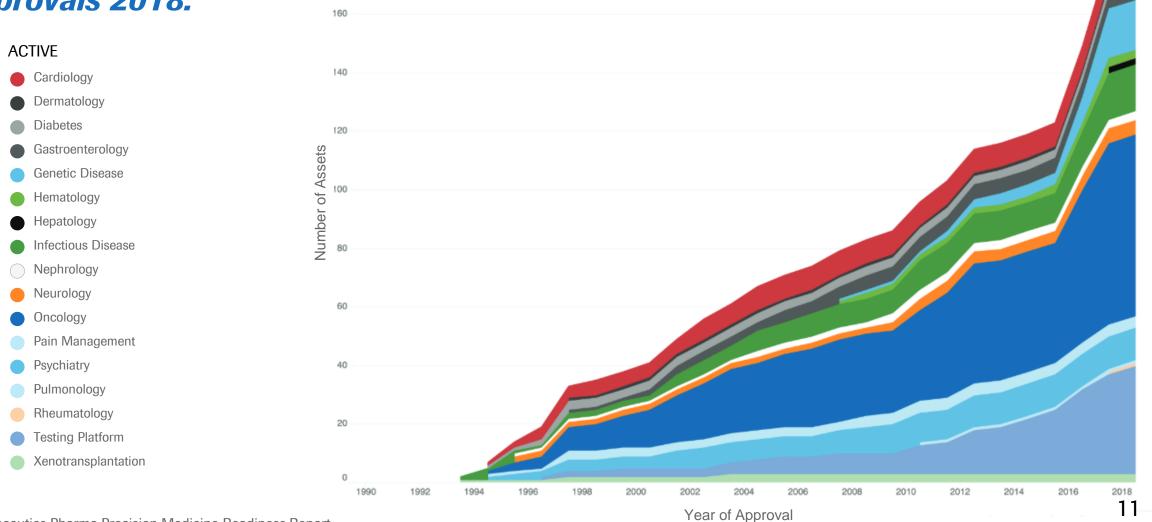


Figure 1. Precision Medicine asset approvals over time (cumulative) in the United States by the endo of 2018. 4-7

2019 Diaceutics Pharma Precision Medicine Readiness Report