

Health systems are straining under the pressure of having to do more with less

	Increasing need	Increasing spend
	+63%	+51.2%
X T	cancer incidence	increase in healthcare
	from 2018 to 2040	spend from 2015-2030*
	5b	1/3 * In OECD member countries
	people with no access	of spend increase
	to healthcare in 2030	driven
		by aging population

Sources -gco.iarc.fr/tomorrow/home

who.int/news-room/detail/23-09-2019-who-welcomes-landmark-un-declaration-on-universal-health-coverage eiu.com (for GDP data), oecd.org (for % share of healthcare spending in GDP)

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Christian Kersten, MD PhD, Oncologist



Why am I invited ?



As a Medical Manager at Roche, I have insight to and worked with

- International public private IT partnerships
 - Croatia
 - Australia
 - Taiwan
- National public private IT partnerships
 - IMPRESS Norway
 - several IT companies

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Why am I invited ?



As a physician at Sørlandet Hospital, I have

- experienced a decrease in clinical effectiveness also due to inefficient IT systems that were devoped top-down without involvement from clinicians.
- tried and failed to develop EHR with categorical longitudinal data
 - within DIPS
 - outside of DIPS together with Innovation Norway



Sykehus har fått nye IT-system, men produktiviteten har gått ned



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% Pasientrettet tid for sykehusleger



Sykehus Big Pharma Det koster stadig mer å utvikle nye legemidler

- Det blir stadig vanskeligere å finne frem til nye medisiner som kan toppe den helsegevinsten vi allerede har



R&D returns for our original cohort of 12 large cap biopharma companies have steadily declined since 2010



Roche

Referanse: Legeforskningsinstituttet

My personal view on the potential future of personalized medicine







Koche

My personal view on the potential future of personalized medicine











Public Private Partnership means developing together and sharing the fruits.

Eksempel på en (vellykket) Private Public Partnership - Slide from DiaGraphIT[®] -

коспе



Models for Development of Electronic Health Records









11 Roche PHC ecosystem programmes are collaborating with health systems around the world to deliver better outcomes for patients I am looking forward to discuss. Thank you for your attentiaon!

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Doing now what patients need next