



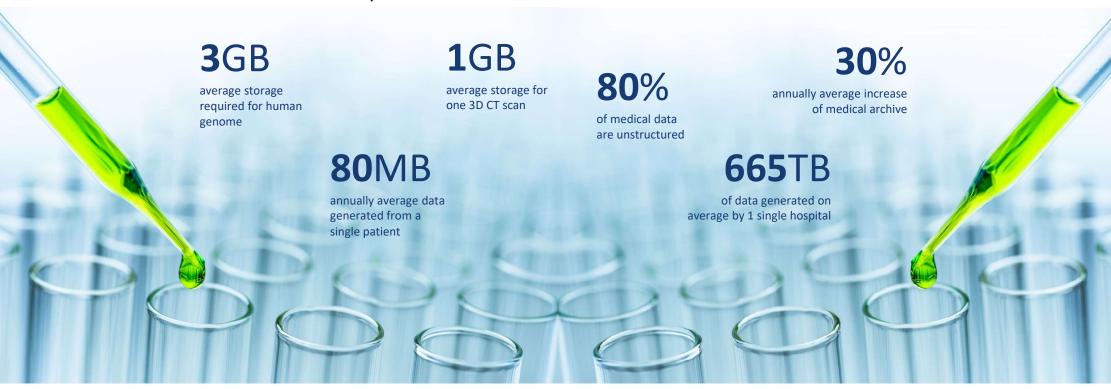
PERSONALIZED MEDICINE IN THE ARTIFICIAL INTELLIGENCE ERA

Farina Annarosa – IEO Bigoni Ilaria – LAIFE REPLY





HEALTHCARE BIGDATA: VOLUME, VELOCITY AND VARIETY



https://www.bigdata4health.unimore.it/bd4h/https://storage.pardot.com/22172/10472/health_graph.jpg





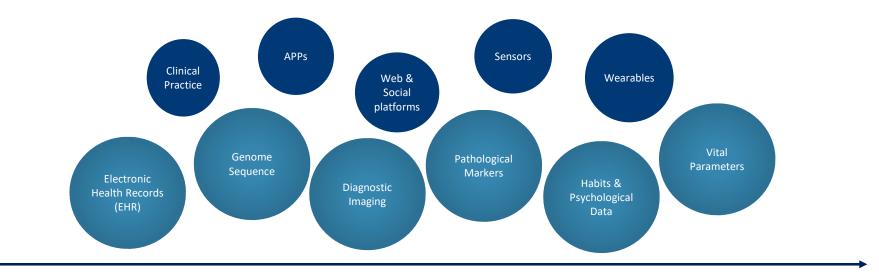








DIGITAL HEALTH ENVIRONMENT: PATIENT DIGITALIZATION AND MULTI-STANDARDS



PATIENT CARE PATHWAY

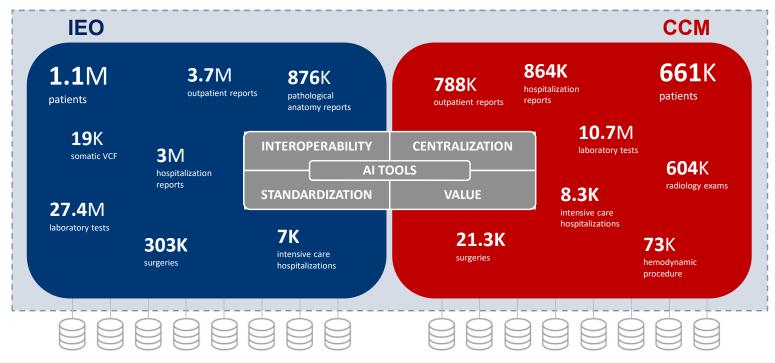
FHIR	SDA	HL7 v2	ОМОР
IHE	CDA	DICOM	XML







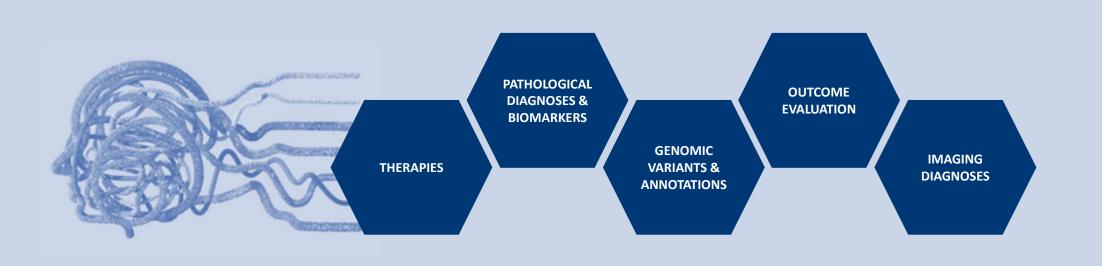
IEO AND CCM SOLUTION: CLINICAL DATA PLATFORM







AI MODELS FOR PERSONALIZED MEDICINE



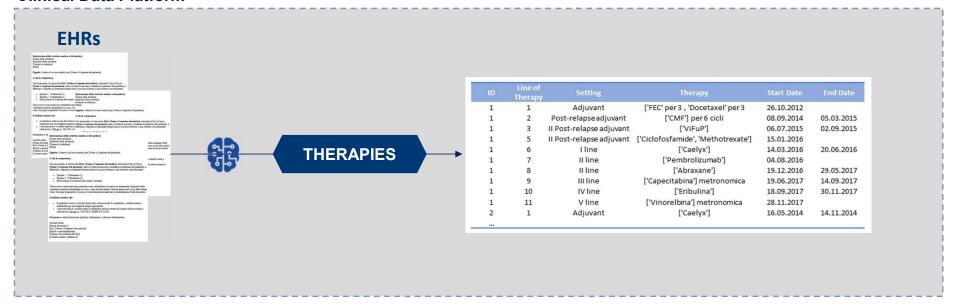








AI MODELS: THERAPIES



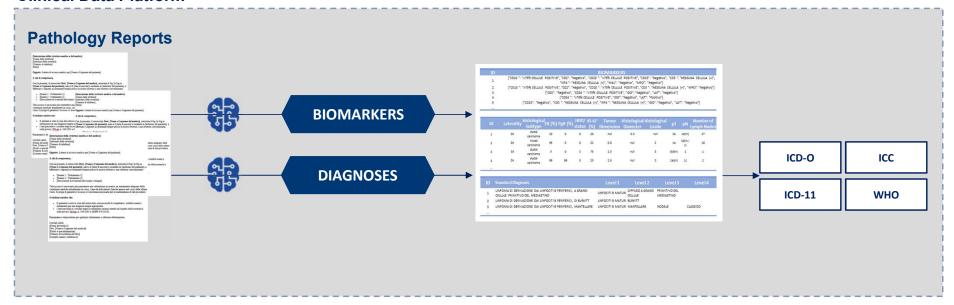








AI MODELS: PATHOLOGICAL DIAGNOSES & BIOMARKERS



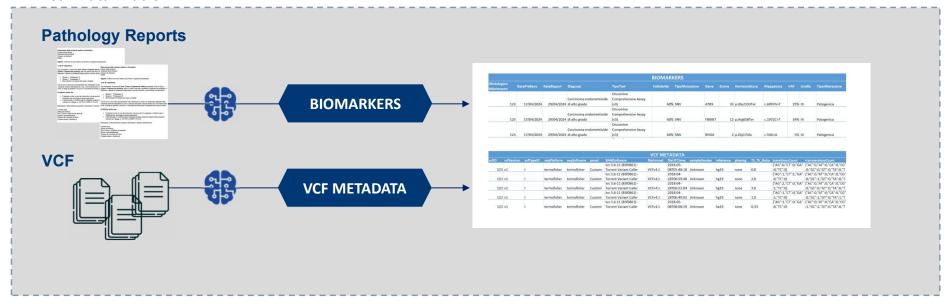








AI MODELS: GENOMIC VARIANTS & ANNOTATIONS



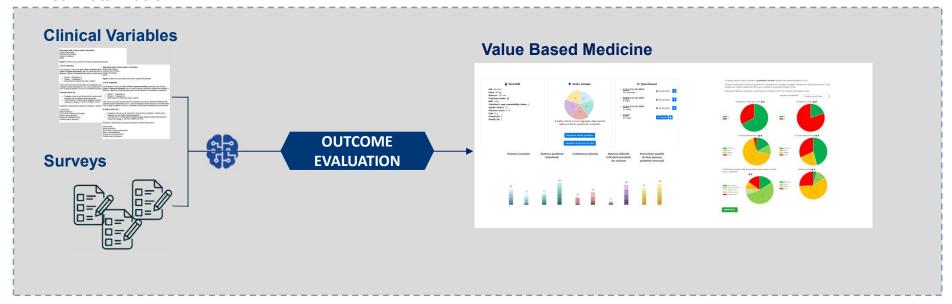








AI MODELS: OUTCOME EVALUATION



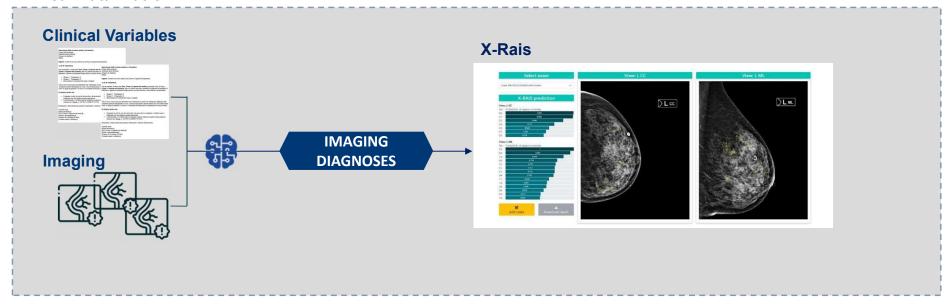








AI MODELS: IMAGING DIAGNOSIS











NEXT STEPS



Increase technological and scientific management collaboration



Technological consolidation



Generate and use synthetic data



Medical algorithms and tools certification



Comply with privacy regulations











THANK YOU

Farina Annarosa – IEO Bigoni Ilaria – LAIFE REPLY

