

SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Unità Sanitaria Locale di Reggio Emilia
IRCCS Istituto in tecnologie avanzate e modelli assistenziali in oncologia



Emilia Romagna Regional Healthcare Systems... ready for the challenge of AI

Canada – Italy Business Forum on Artificial Intelligence

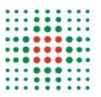




Emilia Romagna Region starte the SOLE Project in 2006



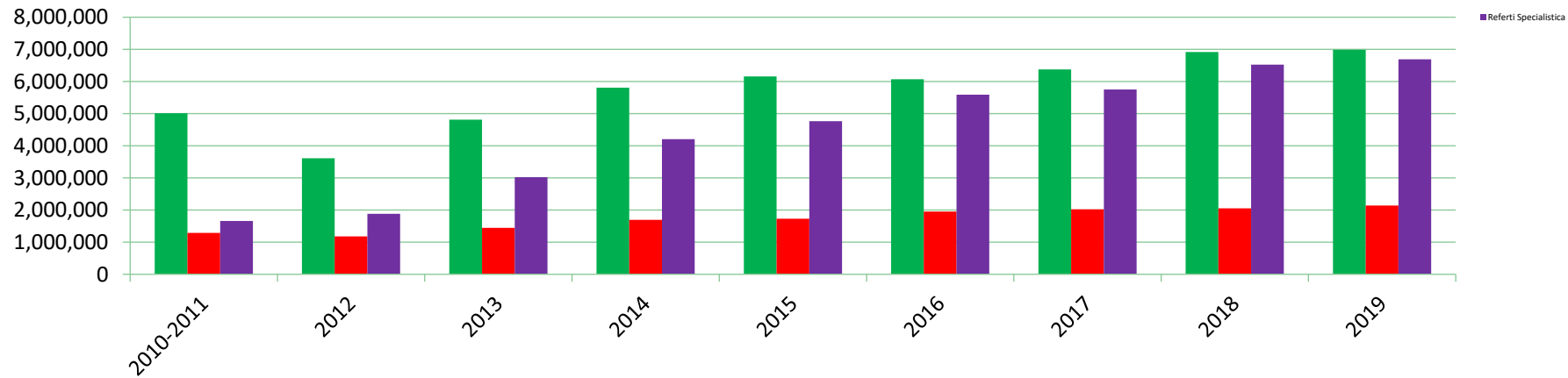
All structured clinical data is sent by local health authorities (and private institutions) to the central registry/repository



4.5 million people
87 million clinical documents/year (*)
62 million prescriptions/year (*)

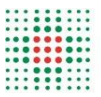


Clinical Documents

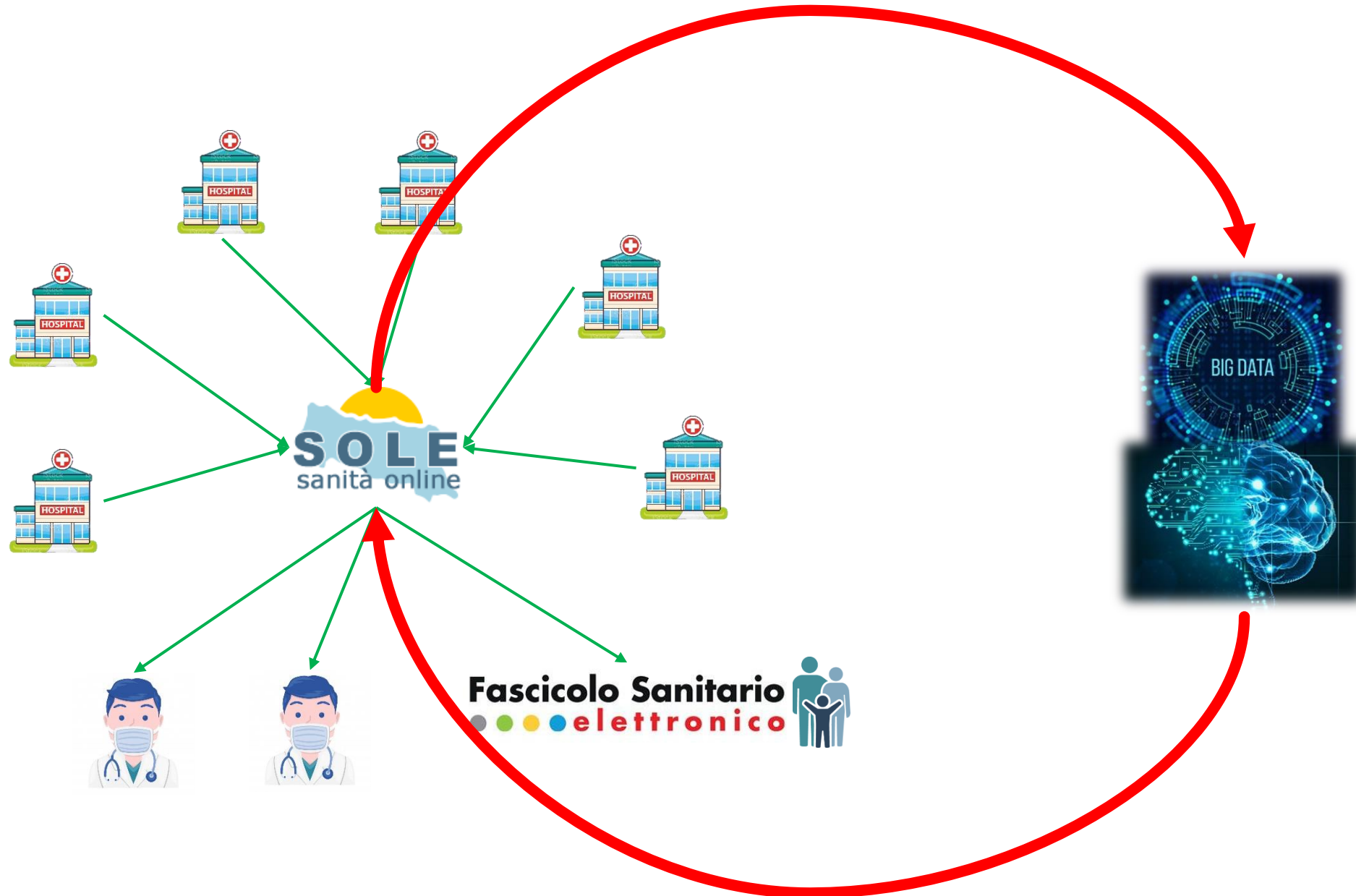


Data collection started in 2006

(*) 2019



We have the Data & We have to closed loop What's the Next Step ?





We currently provide a closed loop evaluation of all clinical evidence to select patients eligible for priority flu vaccination and provide information to GPs, based on «simple» algorithms determining the «risk» conditions (e.g. age, pathologies)

... but ... we have information on who actually gets flu, and could use this to better «train» future algorithms

We process all geo-localized clinical information on infection detections to detect and map local outbreaks

