

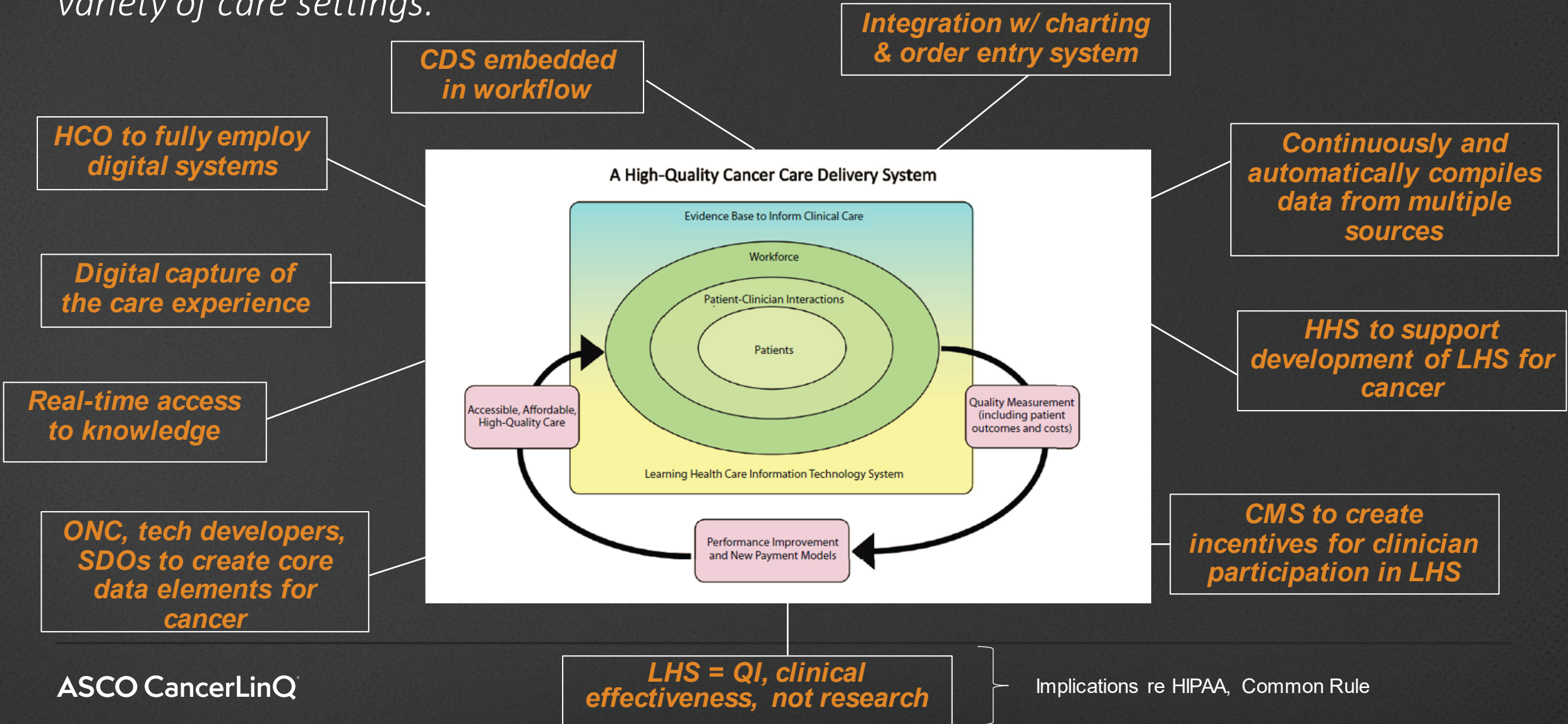
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*I am an employee of ASCO. I have no other financial disclosures.

Goal 7: Develop an ethically sound learning health care information technology system for cancer that enables real-time analysis of data from cancer patients in a variety of care settings.



What's gotten better since 2013



Near-universal adoption of EHRs & growth of digital health tools



Oncology-specific data standards using open-source terminologies and FHIR

mCODE[®]



Successful examples of repositories of aggregated, longitudinal oncology data for care & research (e.g., CancerLinQ, AACR Project GENIE, Flatiron, IQVIA)



Flexible data pipelines and near-unlimited cloud storage



Federal mandates for modern data transmission standards and APIs



Further growth of AI/ML including uses in NLP of free text, computational pathology, radiomics, large language models (ChatGPT)

Continued gaps and 2023 opportunities

