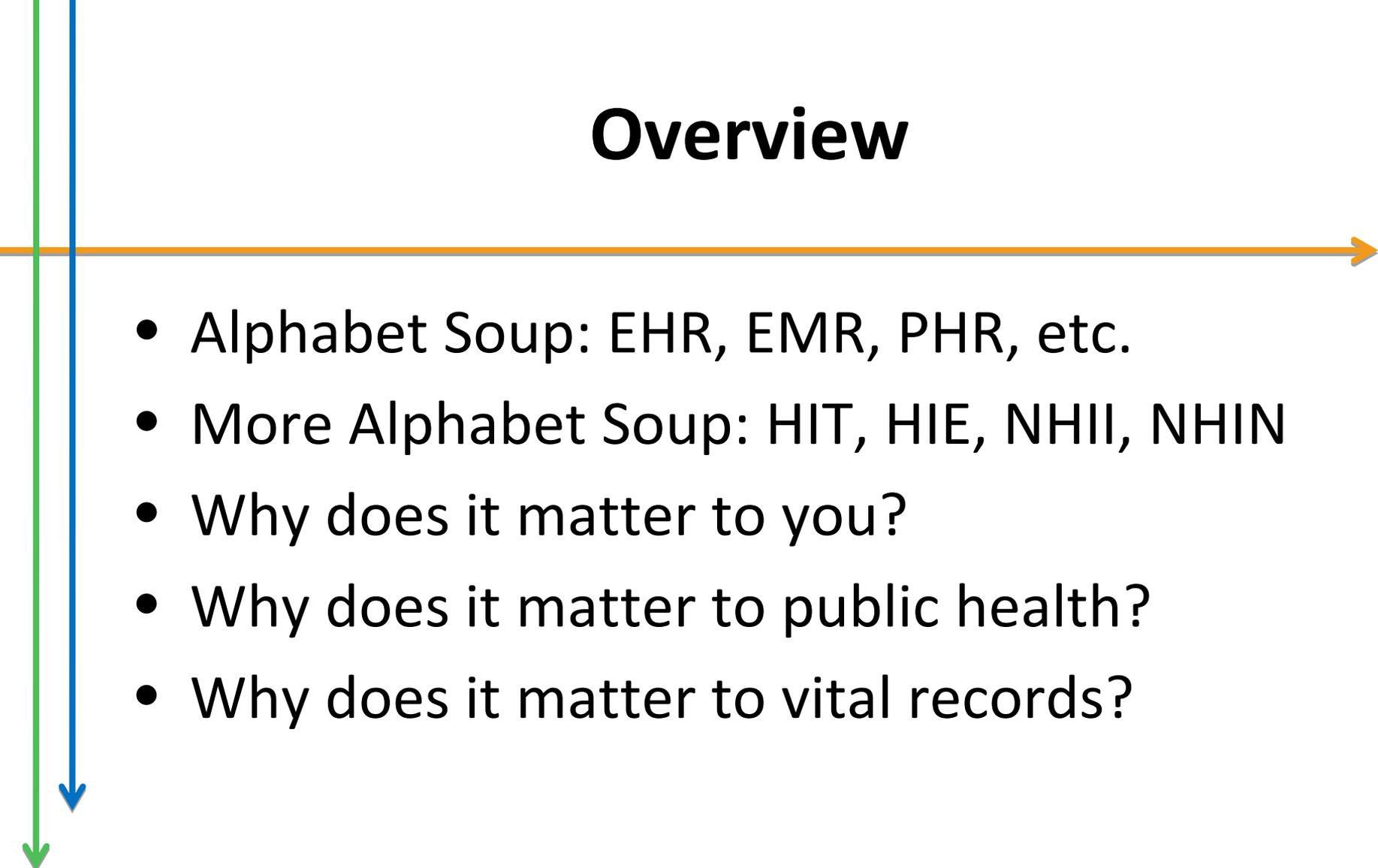


Electronic Health Records: Why are they important?

Linette T Scott, MD, MPH
Deputy Director
Health Information and Strategic Planning
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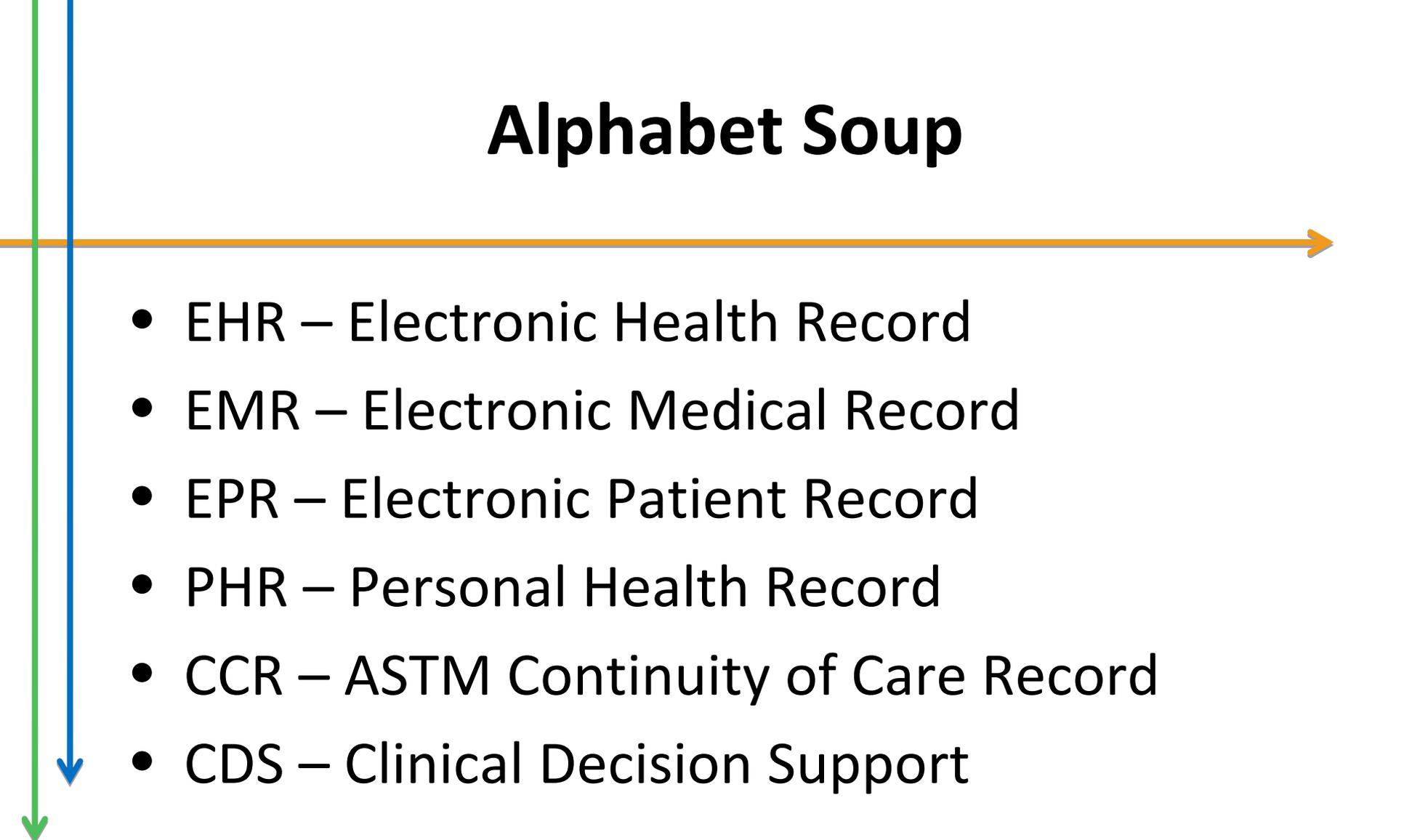
June 3, 2009

Overview



- Alphabet Soup: EHR, EMR, PHR, etc.
- More Alphabet Soup: HIT, HIE, NHII, NHIN
- Why does it matter to you?
- Why does it matter to public health?
- Why does it matter to vital records?

Alphabet Soup



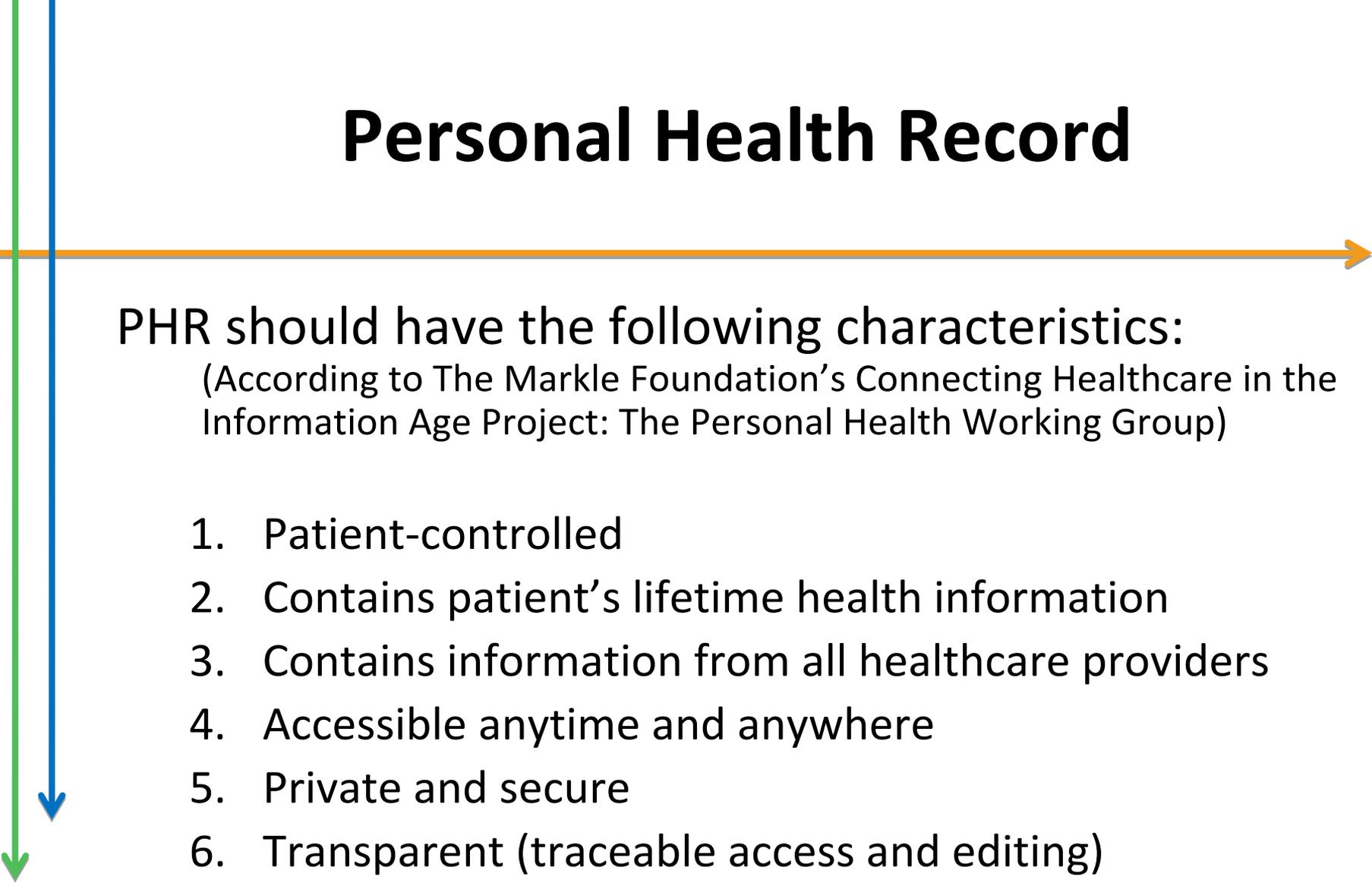
- EHR – Electronic Health Record
- EMR – Electronic Medical Record
- EPR – Electronic Patient Record
- PHR – Personal Health Record
- CCR – ASTM Continuity of Care Record
- CDS – Clinical Decision Support

Electronic Health Record



- Electronic Health Records (EHR)
Electronic Medical Records (EMR)
Electronic Patient Records (EPR)
- Records are electronic, structured, secure and accessible
- Owned by providers/facilities
- Linked together by a patient identifier

Personal Health Record

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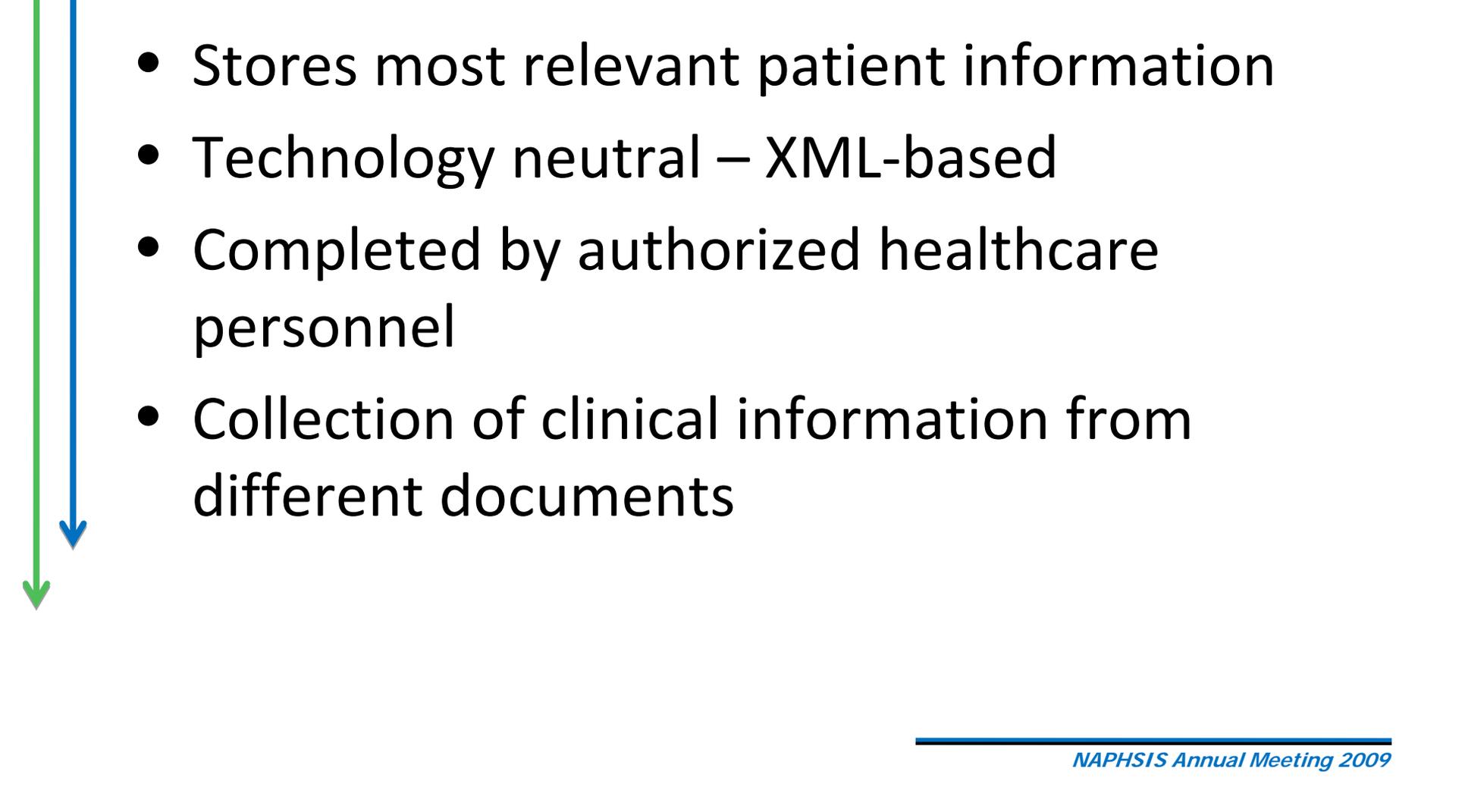
PHR should have the following characteristics:

(According to The Markle Foundation's Connecting Healthcare in the Information Age Project: The Personal Health Working Group)

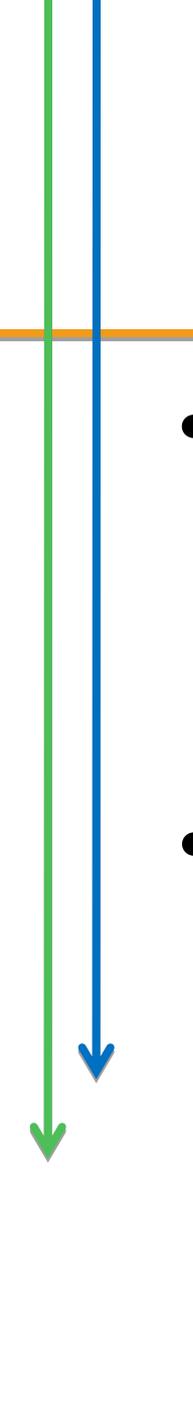
1. Patient-controlled
2. Contains patient's lifetime health information
3. Contains information from all healthcare providers
4. Accessible anytime and anywhere
5. Private and secure
6. Transparent (traceable access and editing)
7. Interoperable

ASTM Continuity of Care Record



- Stores most relevant patient information
 - Technology neutral – XML-based
 - Completed by authorized healthcare personnel
 - Collection of clinical information from different documents
- 

Clinical Decision Support

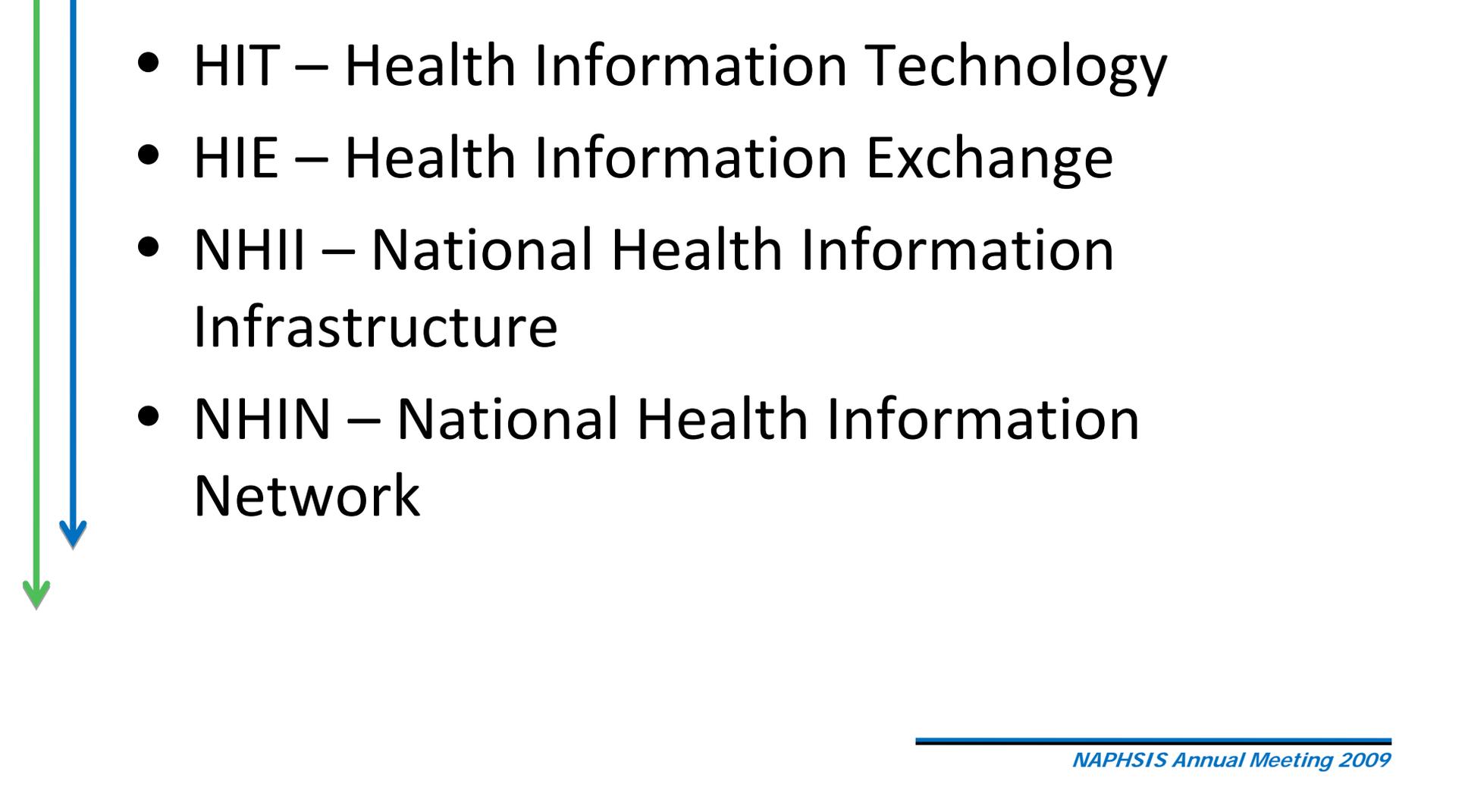
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- Provides clinicians, staff, patients or other individuals with knowledge and person-specific information, intelligently filtered or presented at appropriate times, to enhance health and health care.
- Encompasses computerized alerts and reminders to care providers and patients, clinical guidelines, condition-focused order sets, patient data reports and summaries, documentation templates, and diagnostic support.

<http://healthit.hhs.gov>

More Alphabet Soup



- HIT – Health Information Technology
 - HIE – Health Information Exchange
 - NHII – National Health Information Infrastructure
 - NHIN – National Health Information Network
- 

Translating Soup



So ...

Health Information Technology

is used for

Health Information Exchange

which moves through the

National Health Information Network

which sits on the

National Health Information Infrastructure.

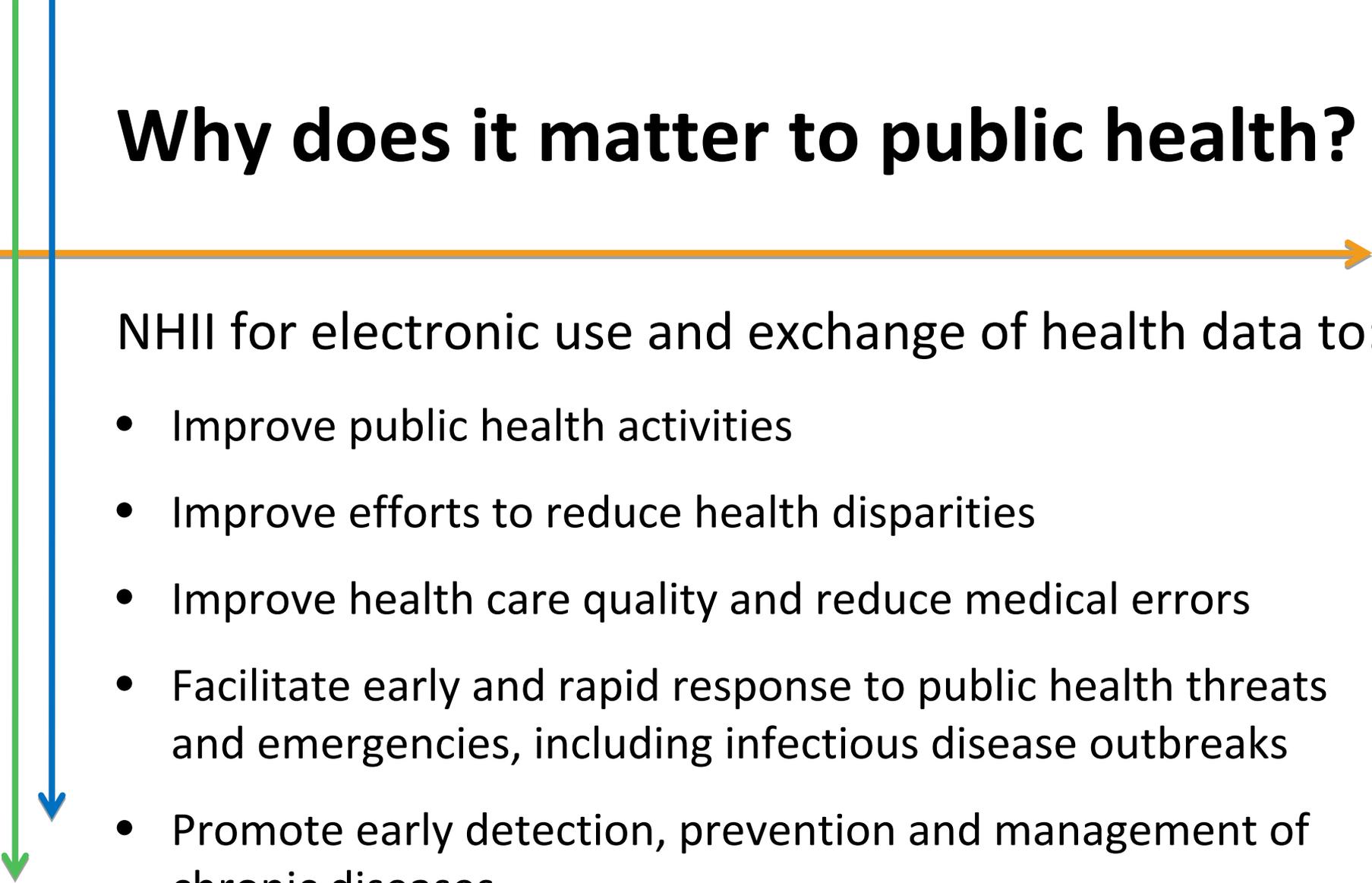


Why does it matter to you?



- My doctor knows my medications.
 - I know my lab results.
 - The computer speaks when I can't.
 - My doctor is warned when it isn't the right medication for me.
 - My doctor is reminded to check my labs before giving me the medicine.
- 

Why does it matter to public health?

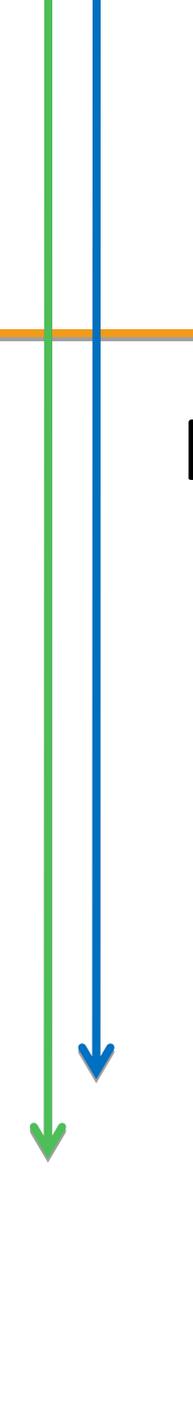
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NHII for electronic use and exchange of health data to:

- Improve public health activities
- Improve efforts to reduce health disparities
- Improve health care quality and reduce medical errors
- Facilitate early and rapid response to public health threats and emergencies, including infectious disease outbreaks
- Promote early detection, prevention and management of chronic diseases

ARRA HITECH Bill

Meet Public Health Reporting

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Required reporting of

- Infectious diseases
- Cancer cases
- Birth defects
- Lead exposure
- Etc.

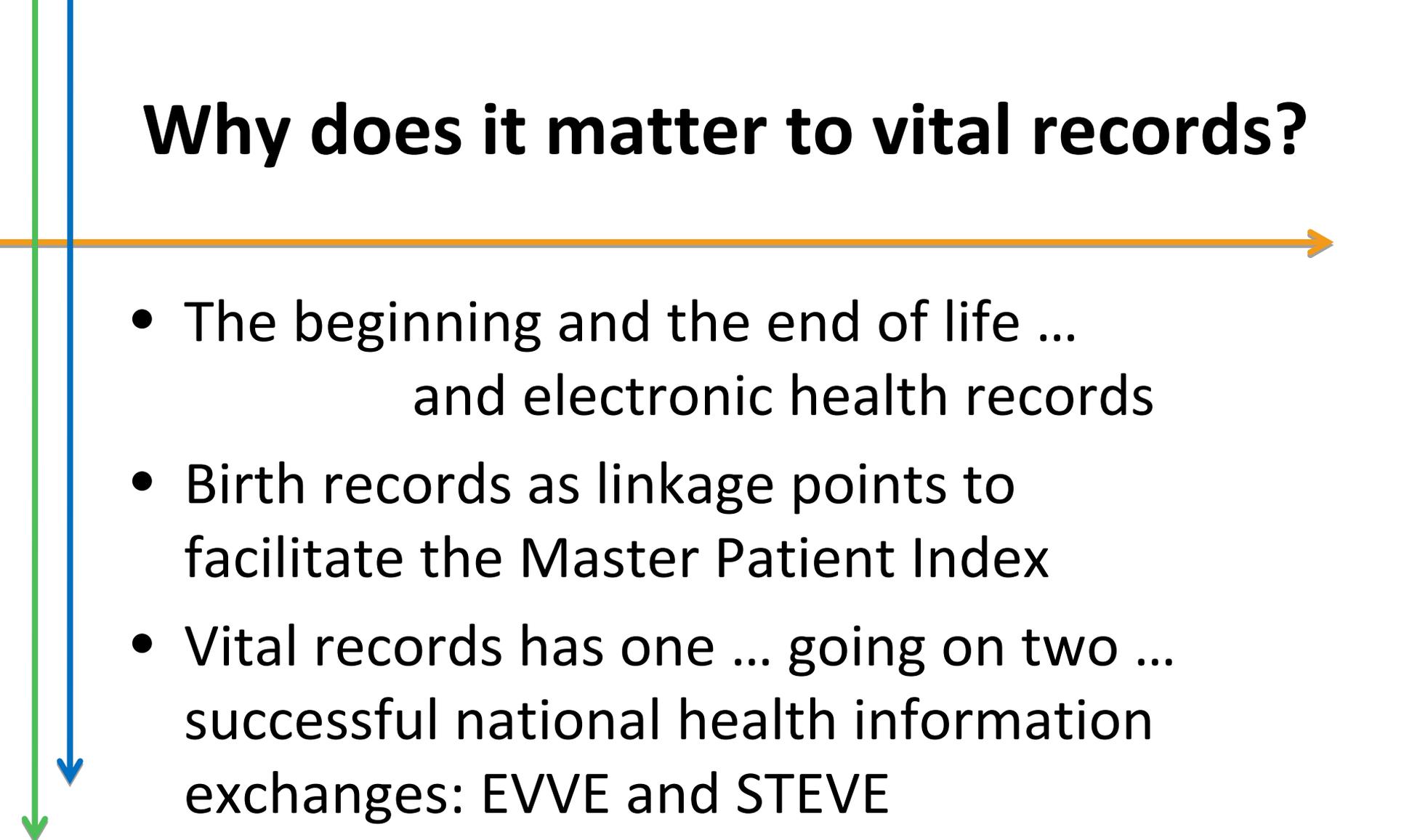
Public Health Data Integration



Child Health Information Systems:

- Potential cost savings of system integration
 - Public Health Informatics Institute
<http://www.phii.org/resources/doc/IntegratedCHIS.pdf>
 - Link data from separate child health programs resulting in cost savings for the organization:
 - Newborn hearing screening
 - Genetic screening - dried blood spot
 - WIC – Women, Infant and Children
 - Immunizations
 - Vital Records
- 

Why does it matter to vital records?



- The beginning and the end of life ...
and electronic health records
- Birth records as linkage points to
facilitate the Master Patient Index
- Vital records has one ... going on two ...
successful national health information
exchanges: EVVE and STEVE

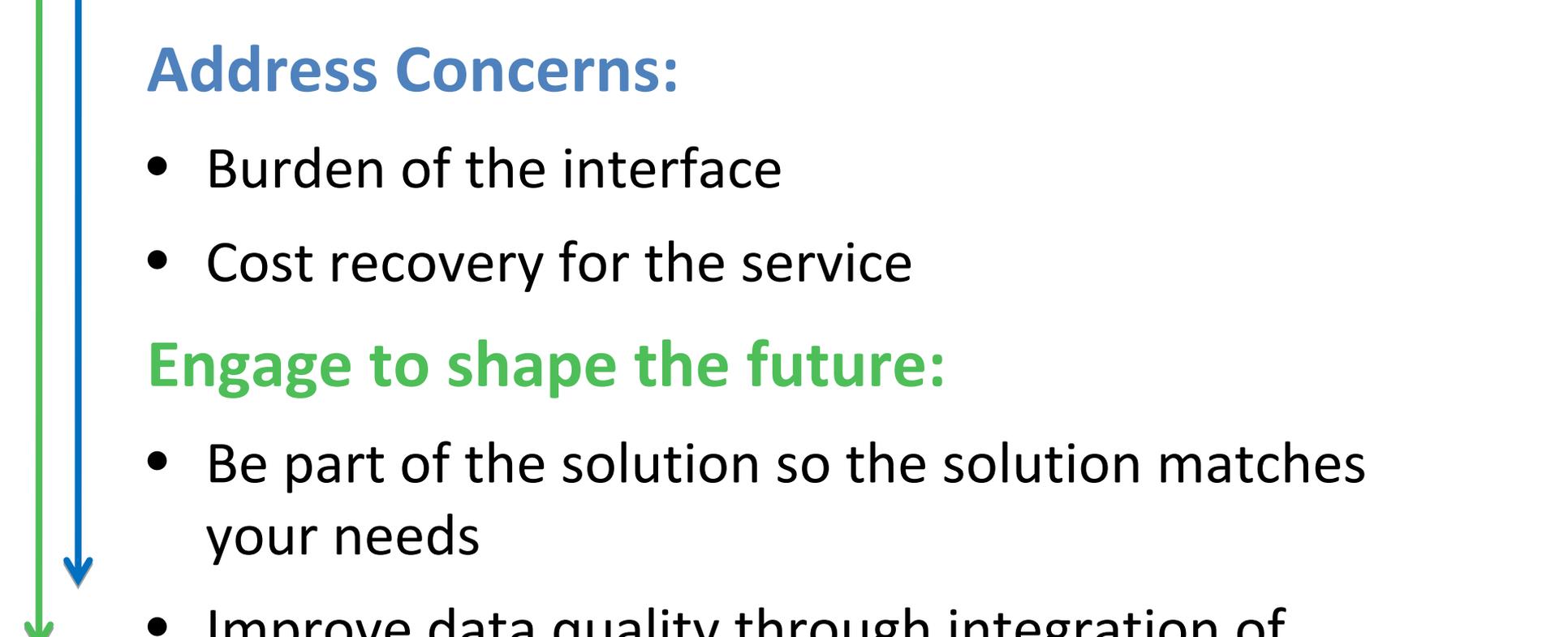
Next Steps for Vital Records



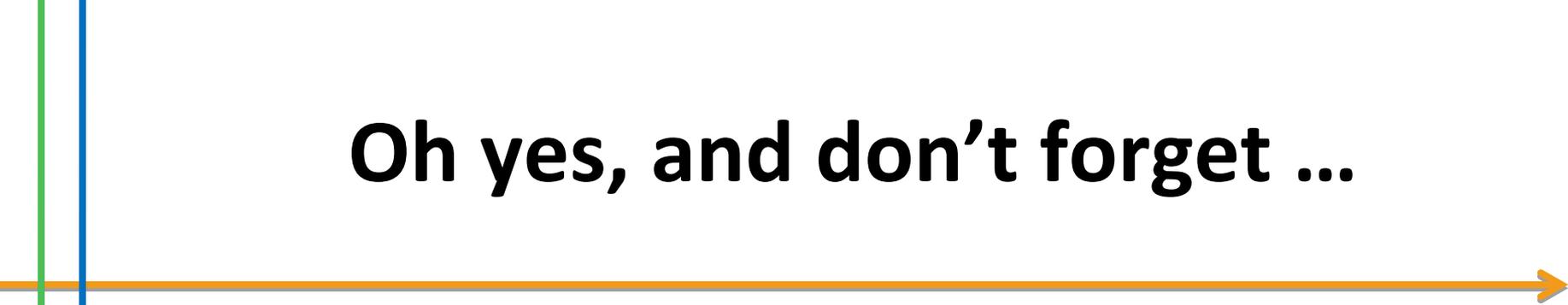
Address Concerns:

- Burden of the interface
- Cost recovery for the service

Engage to shape the future:

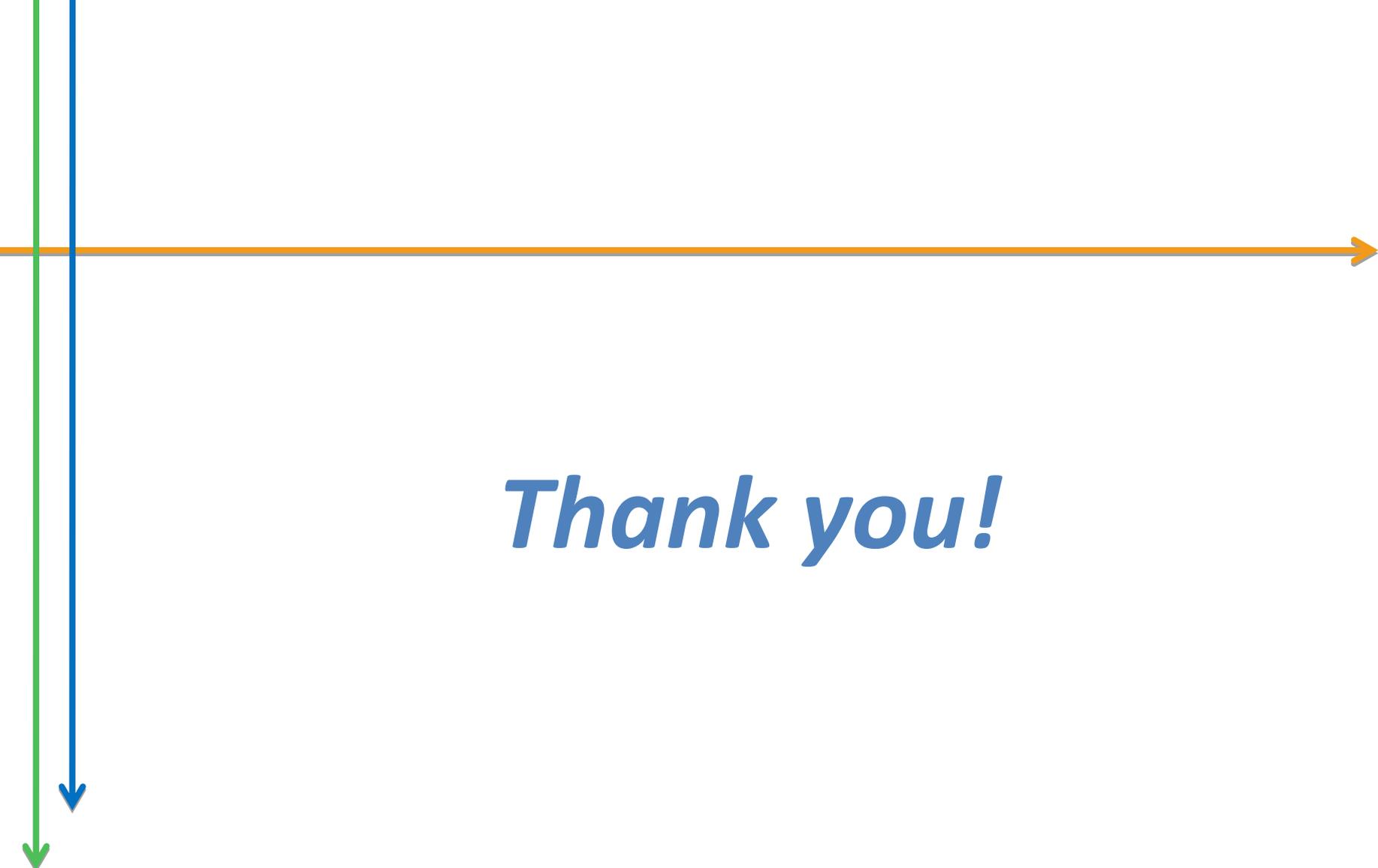
- Be part of the solution so the solution matches your needs
 - Improve data quality through integration of systems and minimizing data entry errors
- 

Oh yes, and don't forget ...



\$\$\$

- Cost savings for hospitals
 - Cost savings for health care system
 - Quality improvement for patients
 - Decreased cost for insurers
 - Cost savings for Government
- 



Thank you!