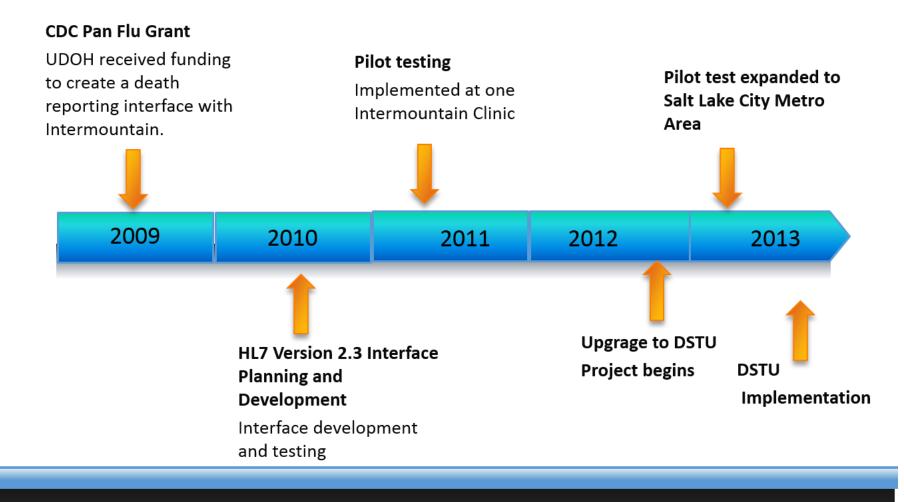
# Interoperability between vital records and EHRs in Utah

Jeff Duncan, MS
Utah Department of Health



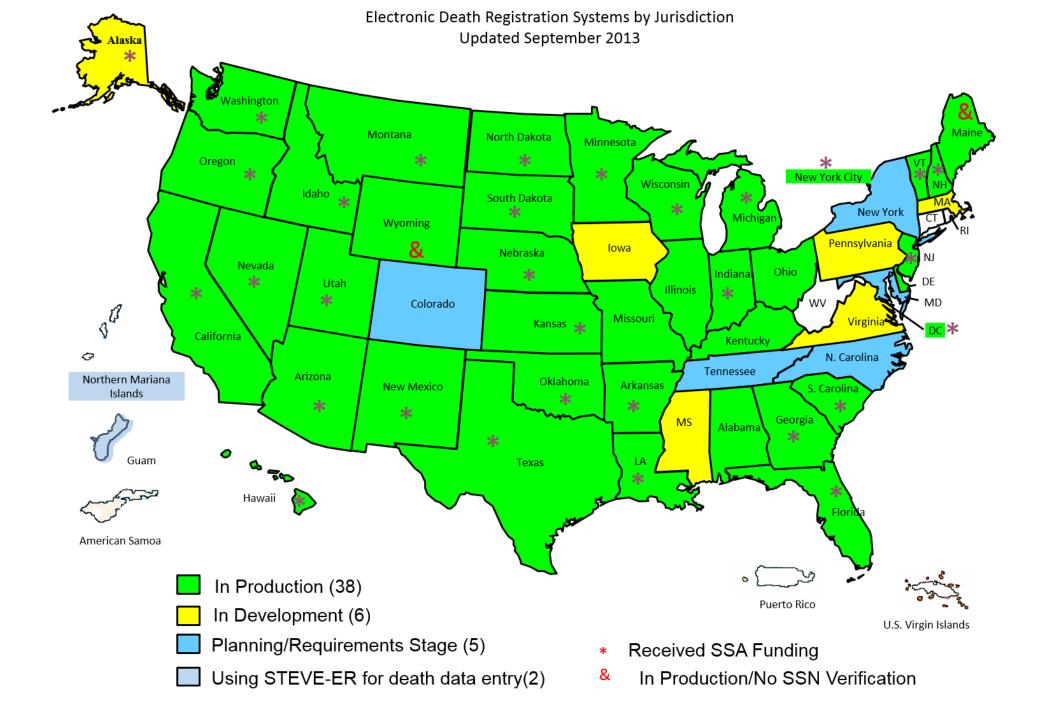
#### Timeline of events—UDOH-Intermountain Death Interface



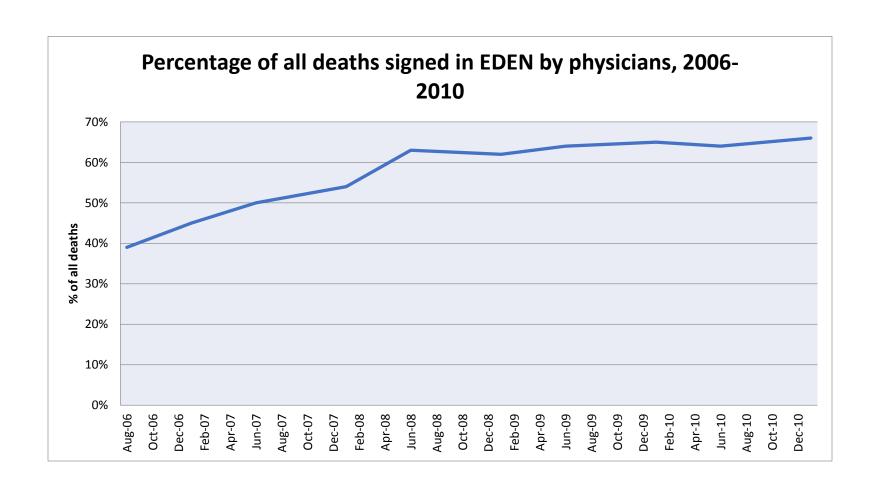
### Death Registration in the US

- Death certificate is...
  - A legal document
  - A public health report
- A cooperation between funeral directors, physicians, coroners and medical examiners, and public health departments

- Electronic death registration
  - 38 states now have some form of EDR
  - Utah's Electronic Death Entry Network (EDEN) August 1, 2006



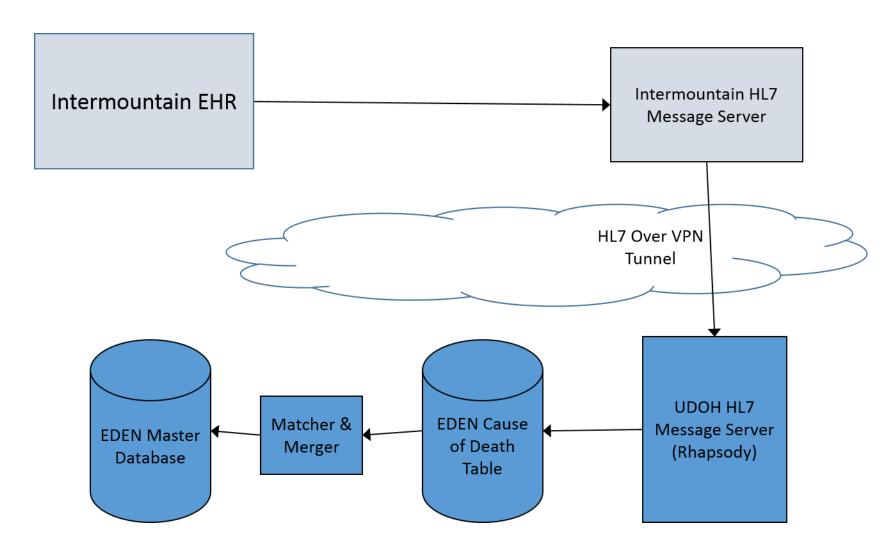
## The Eden plateau



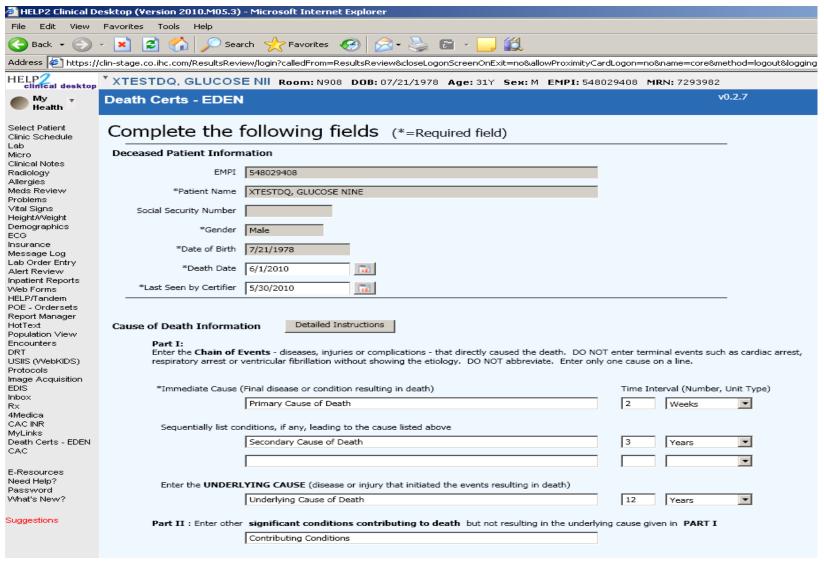
#### Reasons for low physician participation

- About 75 % of physicians that certify a death do <1 death certificate per year.
- They account for about 35 % of all DC's
- Difficult to maintain EDEN skills
- Lack of incentive to complete death certificates

#### From Intermountain to EDEN



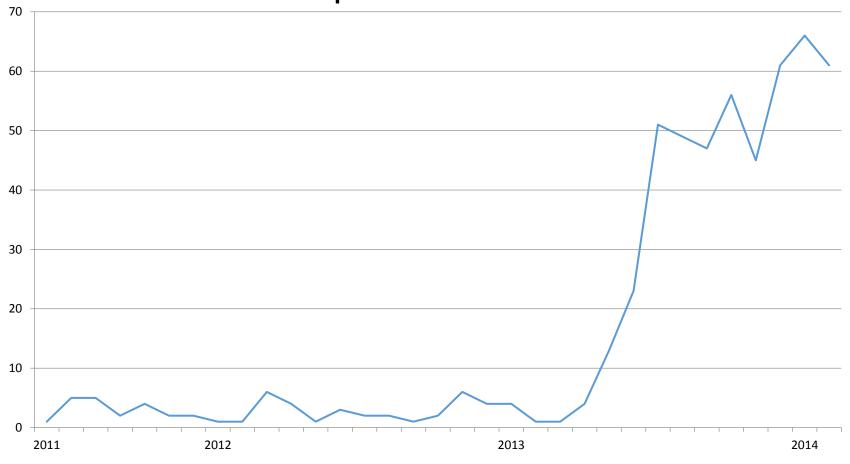
#### Intermountain's EHR screen:



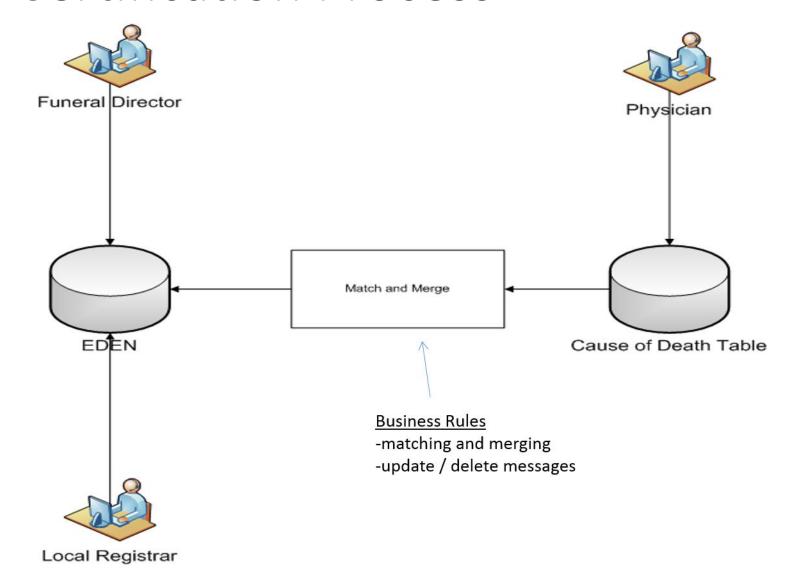
### HL7 death message

- In 2009 UDOH and Intermountain created an HL7 v2.3.1 message using a lot of z-segments
- We used existing gateway for immunization records from Intermountain
- Began pilot testing in 2011 at a large family practice clinic
- In 2013, began work to implement a v2.5.1 draft standard death message

## Death Certificates per Month

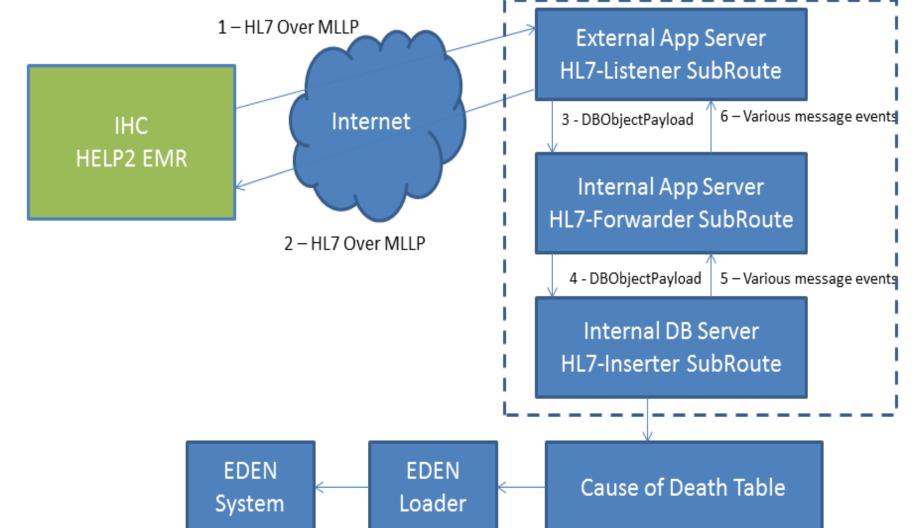


#### Death Certification Process

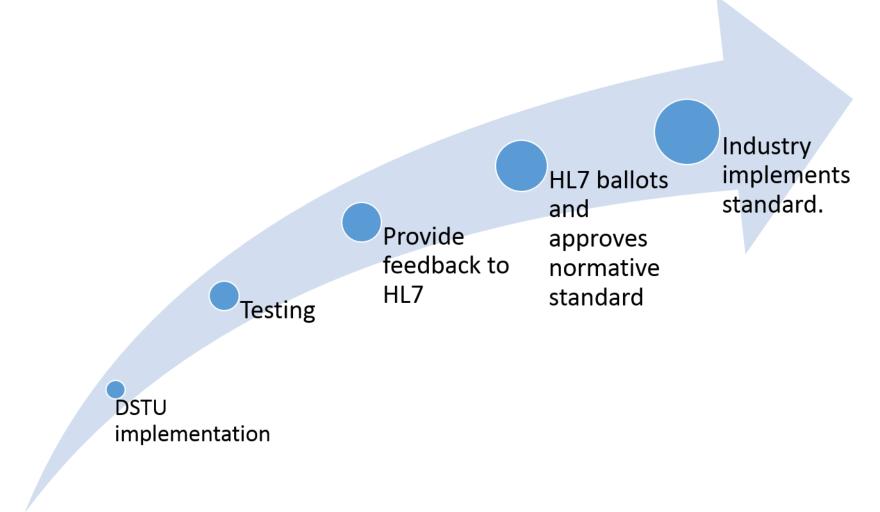


#### The

System Architecture



## Next Steps



## Acknowledgements

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