

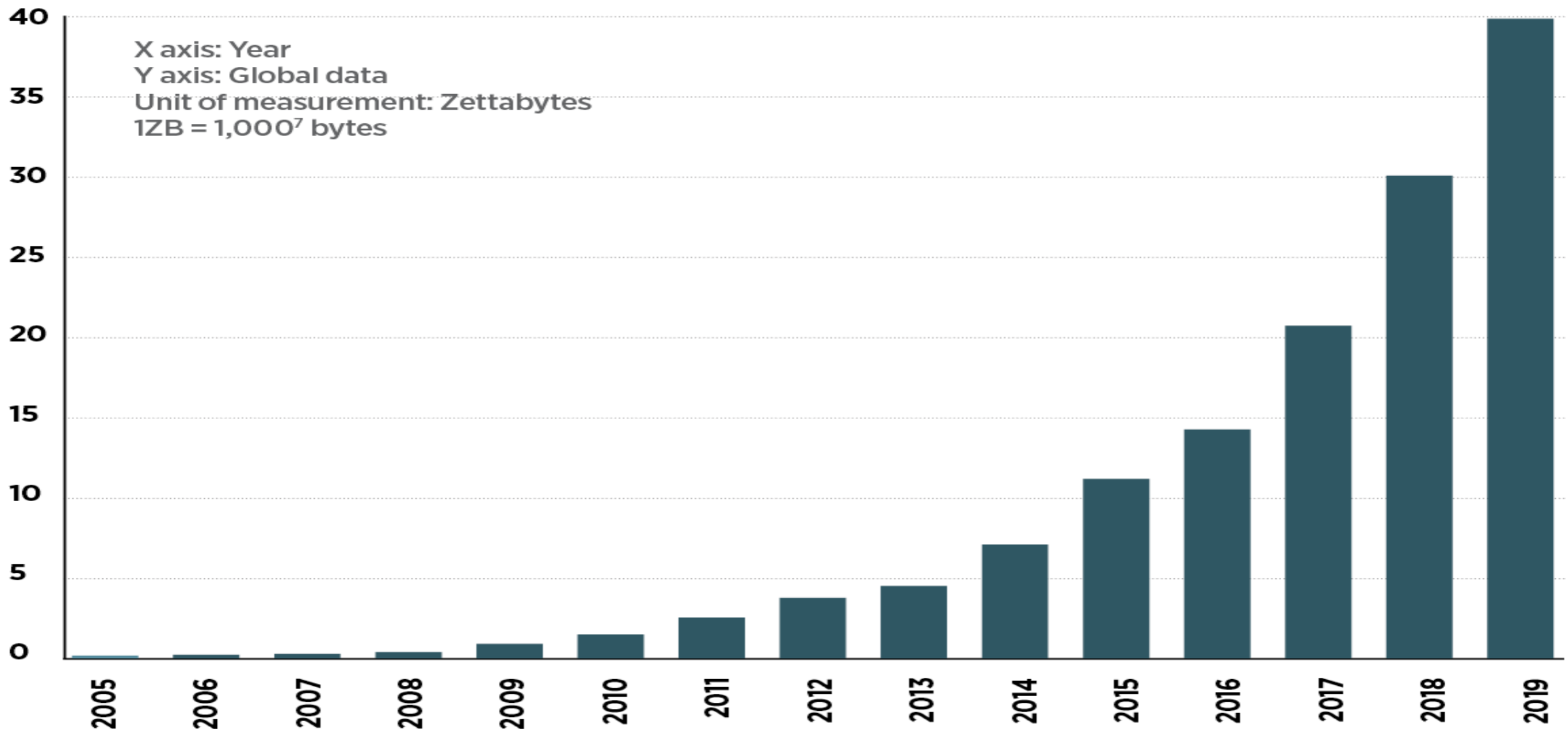
# Creating Trusted Data

Paul Wormeli



# The data explosion

## DATA GROWTH



Note: Post-2013 figures are predicted. Source: UNECE

# The continuum of care



# Social Determinants of Health

Economic Stability	Neighborhood and Physical Environment	Education	Food	Community and Social Context	Health Care System
Employment	Housing	Literacy	Hunger	Social integration	Health coverage
Income	Transportation	Language	Access to healthy options	Support systems	Provider availability
Expenses	Safety	Early childhood education		Community engagement	Provider linguistic and cultural competency
Debt	Parks	Vocational training		Discrimination	Quality of care
Medical bills	Playgrounds	Higher education			
Support	Walkability				

## Health Outcomes

Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations

**AXIOM:**

# Knowledge Sharing

is at the heart of everything we  
can do to improve individual  
and community wellness

# Finding the balance

**TRUST**

**Privacy Policy**

**Interoperability**

**Data standards**

**Governance**



# The opioid crisis

- Over 64,000 overdose deaths in the U.S. in 2016
- A U.S. National Emergency

- Multi-agency  
Response

- Captive Data
  - Medical Services
  - Law Enforcement
  - Social Services



- Need for a Coordinated Response Strategy

# The basis of trust

- A system of governance to effect policy--privacy, access rules, principles
- Identity management—authentication and authorization
  - Trustmarks
  - Identity confirmation
  - new technology (e.g., blockchain)
- Standards for information exchanges
- Preservation of originator access rules
  - metadata on security, privacy, user privileges



# The National Interoperability Consortium

- A “network of networks” involving local, state, and national levels
- A new initiative to advance interoperability and information sharing among health, human services, public safety, public health, and other related realms
- Aimed at catalyzing systemic changes, specifically for underserved populations
- Inaugural partners include California, Virginia, Connecticut and Health Information Management and Systems Society (HIIMSS)