Public Health Surveillance Needs for the COVID-19 Response
Data: Elemental to Health

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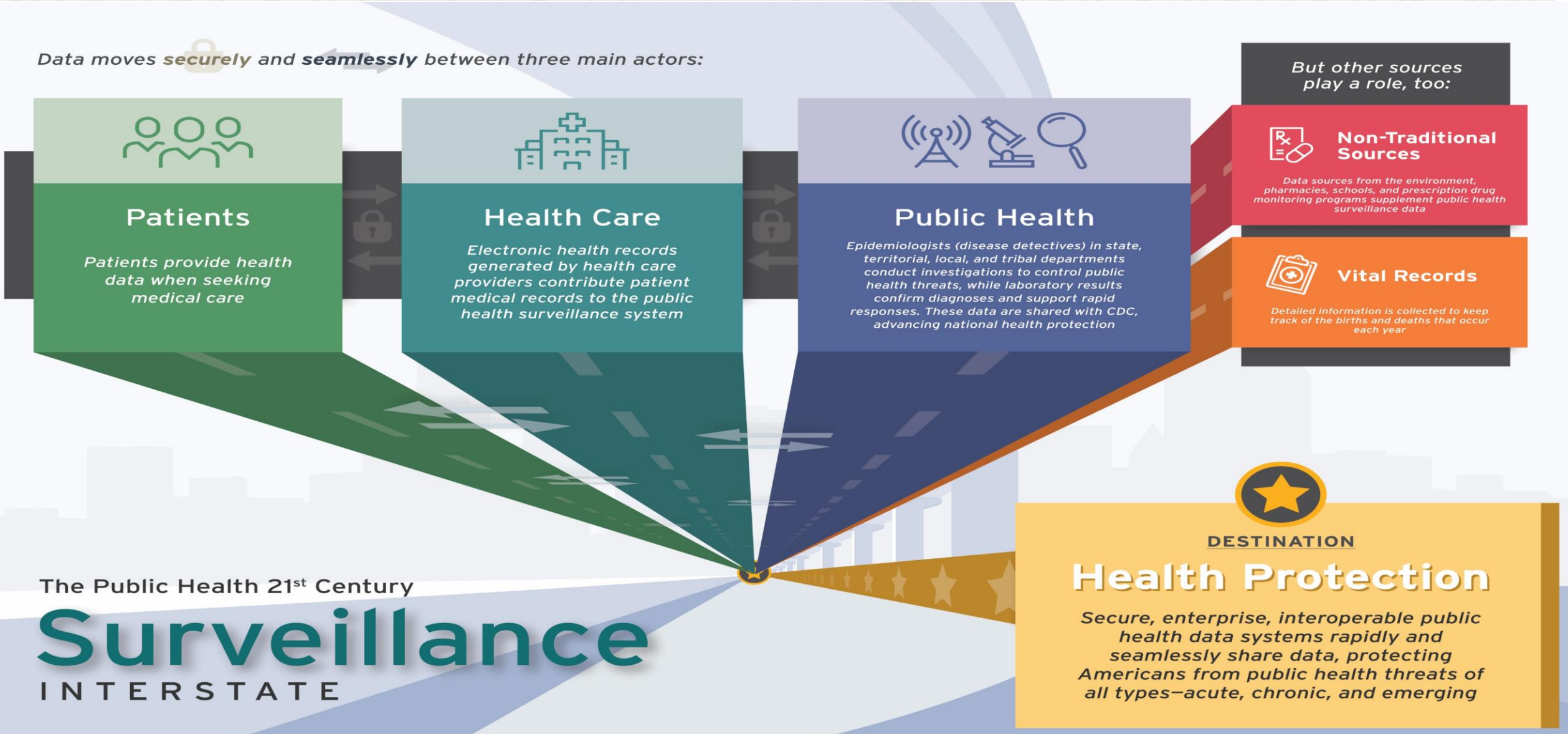

Approach

- Address core areas to support all phases of the response
  - Electronic Case Reporting (eCR)
  - Laboratory Information Systems
    - Electronic Laboratory Reporting to public health
  - Syndromic Surveillance
  - Electronic Vital Records System

How can ONC help: Immediate needs

- **Challenges:**
  - Data not reported or reported with missing critical information = Delays in contacting patients, identifying contacts, identifying those at highest risk, creating policy and evaluating control measures
    - Case reports never made or only made by manual reporting phone calls or faxes!
    - Laboratory reports missing patient address, phone number and demographic information (race and ethnicity)
  - Many data requests from many levels
- **Immediate needs:**
  - Align requests for data: Ensure reporting goes *first* to state/local public health where the data are acted upon
  - Automated reporting of point of care tests with identifiers
  - Laboratory:
    - LOINC codes – (specimen types matter and shouldn't be blank)
    - Orders contain complete patient information
      - Complete patient information needs to "travel with" the specimen even if forwarded to other laboratories for testing
    - Ask on Order Entry (AOE) questions to be answered at the time of order
      - Employed in healthcare? Y/N/U, Symptomatic? Y/N/U, Hospitalized? Y/N/U, ICU? Y/N/U, Pregnant? Y/N/U
  - STANDARD Public health access to EHRs for individual *and* batch patient look up

How ONC can help: Planning for the fall

- Where do we want public health surveillance to be?
  - Rapid, seamless data sharing from health care *to* and *across* the public health enterprise
  - eCR is the transformation we need
    - Patient locating information
    - Demographic information
    - Co-morbidities
    - Point of care tests
    - Treatments
    - Vaccination