The Changing Face of Public Health

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Forces of Change

- **External**
  - Health Care Reform
  - Health Information Technology
  - Economy

- **Internal to NC Public Health Enterprise**
  - Vision for LHD-DPH partnership in CD work
    - Nurse consultants
    - Outbreak response
Health Care Reform

- Health care delivery
- Fewer uninsured
- First dollar coverage for preventive services
- Quality Improvement model
- Core public health services
Core Public Health Services

- Communicable Disease Control
  - Surveillance, investigation, testing and treatment (STDs and TB), other control measures (e.g., I & Q, PEP)

- Immunizations
  - Assurance and enforcement

- Birth and Death Registration

- Preparedness
Health Information Technology

- Electronic Health Records
- Electronic Health Information Exchange (HIE)
- Electronic Surveillance Systems
- Faster, more complete, more transparent
HIT Goals

- Improved healthcare quality
- Better health outcomes
  - Individuals
  - Populations
- Control costs
- Better engage health care consumers
Public Health HIT

As Is

- NC Immunization Registry
- NC Vital Records
- NC Electronic Disease Reporting
- NC PHIN (HAN)
- NC DETECT (NCHESS, PreMis)
- SLPH LIMS (Electronic Lab Reporting)
To Be

Health Information Exchange can:

Improve Public Health Surveillance:

- Timely and more complete notifiable disease reporting
- More efficient case investigation
- Better prevention and surveillance of chronic conditions and maternal-child health
What is NC HIE?

- NC HIE operates North Carolina’s **statewide health information exchange**, a secure, standardized electronic system where providers can share important patient health information.

- The use of this system promotes the access, exchange and analysis of health information.

- Enables participating organizations to:
  - Save time and reduce paperwork
  - Facilitate more informed treatment decision-making
  - Leads to improved care coordination, higher quality of care, and better health outcomes
Information accessible through the NC HIE

- Patient Identifier and Demographics
- Encounter History
- Laboratory and Microbiology Results
- Radiology Reports and Images
- Adverse Reactions/Allergies
- Medication History
- Diagnosis/Conditions/Problems (primary and secondary)
- Immunizations
- Dictated/Transcribed Documents
Economy

- Doing less with less
  - Triage
  - Clear focus on mission
  - Showing the effectiveness of public health

- We do not get to give up!
LHD-DPH Partnership

- TATP
- Epi on call
- Public health veterinary consultation
- Outbreak support
  - Outbreak training
  - On-site support
We are in this together.