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Mark Jones is principal investigator for one of sixteen national federally funded projects by the Agency for Healthcare Research and Quality awarded in 2005 to build model electronic patient health information networks. Prior to taking his current post Mr. Jones served in several capacities for 29 years with the Oklahoma State Health Department. Mr. Jones received a M.S. in clinical Psychology from Indiana State University and an M.B.A. from Northeastern State University. Mr. Jones also serves as a consultant to the Rural Health Institute through Northeastern State University which develops internet based statistical systems to support rural health initiatives.

After a three year effort involving over sixty professionals the publicly run network, named SMRTNET, has begun operations in northeast Oklahoma covering approximately 300,000 patients and will expand to another 400,000 lives the Oklahoma City area in September of 2008. The network is inclusive of all types of providers including the federally qualified health centers, hospitals, universities, physician offices, public health, Native American tribes.

Using Interoperable Electronic Health Systems to Improve Healthcare for the Underserved

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SMRTNET Secure Medical Records Transfer Network

A Publicly Managed Expandable Health Information Exchange Utility for Oklahoma Treatment Providers and Their Support Systems



The underserved may access

- Community clinics
- Emergency Departments
- FQHCs
- Public health
- Medicaid
- Private physicians
- Medicare
- Tribal facilities
- Multiple pharmacies
- Multiple labs
- Specialists



Rodney has disconnected healthcare providers

Diagnosed With Asthma 5-27-99

Diagnosed With Arthritis 2-9-05

Diagnosed With IBS 9-30-02

Diagnosed With Arthritis 4-29-06

Prescribed medication for Cholesterol 12-22-05

Foot Surgery Bone Spur removal 1-15-02



SMRTNET brings them together

Diagnosed Asthma 5-27-99

Diagnosed With Arthritis 2-9-05

Prescribed medication for Cholesterol 12-22-05

Diagnosed With Arthritis 4-29-06

Diagnosed with IBS 9-30-02

Foot Surgery Bone Spur removal 1-15-02



AHRQ Grant Partners Developed SMRTNET as a Publicly Owned and Operated HIE Utility through three year AHRQ grant and \$ 3.4 million

- Oklahoma State Department of Health
- NEO Community Health Center
- Oklahoma Department of Mental Health and Substance Abuse Services
- Northeastern State University
- Tahlequah City Hospital
- Hastings Indian Medical Center
- Cherokee Nation Health Services

Based on AHRQ Transforming Healthcare Quality Through Information Technology 5-UCL-HS016131-03



Quality Improvements

- Medication safety
- Chronic disease tracking
- Influenza, pneumonia and tetanus
- Infection control
- Case management
- Drug seeking
- Surgical national quality measures
- Timeliness measures
- 30 of 90 hospital measures



Initial Data to be Exchanged

- Demographics
- Allergies and Reactions
- Diagnoses
- Pharmacy
- Laboratory
- Immunizations
- Visit History



Legal Aspects

- Use of Bill Braithwaite, M.D. Ph.D., author of HIPAA
- Chris Sears, Indiana exchange
- Nine other attorneys
- 14 privacy officers
- Sovereignty and exchange



SMRTNET Utility Process

- Transparency
- Planning service
- Legal exchange agreement
- Technology and Interfaces
- Liability protection
- Participative governance
- Security
- Data
- Decreased costs (no \$ 1.5 million start-up fees)
- Rapid start-up (4 months vs 2-3 years)



Information Security Concepts

- Only registered network providers
- Nine security levels
- Nobody can make a "list" of patients
- Only treatment and HIPAA related
- Relationship based
- Data is identified and owned by source
- No finance or cost data
- Only released when needed
- Patient can opt out
- Person matching
- No research



SMRTNET Services

Existing SMRTNET provider services

- Community-wide record
- E-prescribing

Added member services

- Personal health record
- Secure messaging for emails and reports
- Chronic condition management

