IOM and HL7 EHR Model Project

- HHS commissioned/encouraged IOM and HL7 to create EHR functional standards
- IOM piggy-backed activity into existing Patient Safety Task Force
- HL7 assigned to EHR SIG

IOM Functional Model

- Sites
  - Hospitals
  - Ambulatory Care
  - Nursing Homes
  - Personal Health /Community Care

IOM Categories

- Health Information and Data
- Results Management
- Order Entry/Management
- Decision Support
- Electronic Communications & Connectivity
- Patient Support
- Administrative Process
- Reporting and Population Health Management

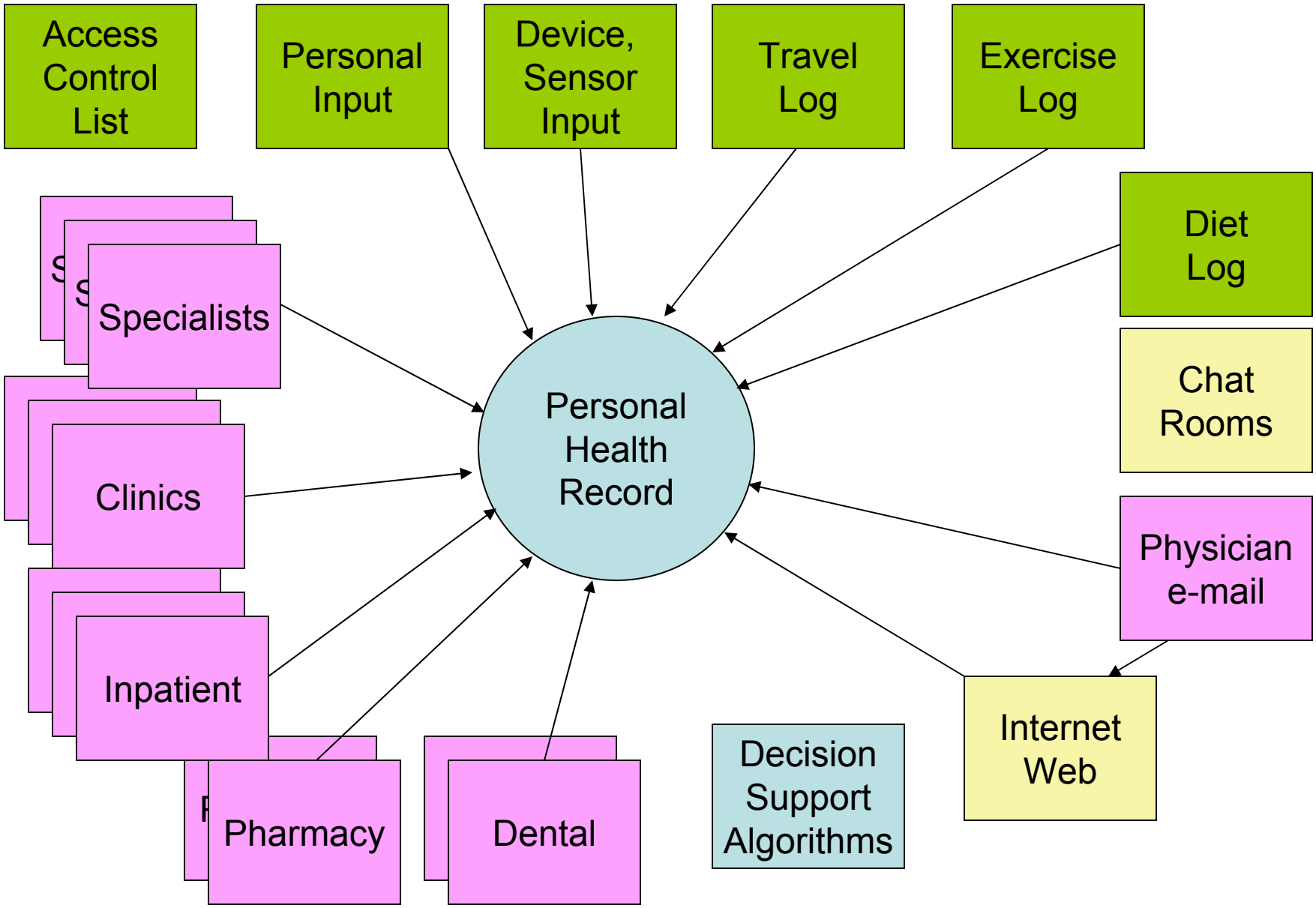
32 second level functional recommendations

HL7

- Added categories
- Normative ballot IOM + gaps
- Informative ballot much more
- Introduced triplets as management tool
  - Functional statement
  - Rationale
  - Conformance Criteria

Data

- Demographics
- Medical Problems
- Laboratory Data
- Vital Signs
- Current and past medications
- Immunizations
- Allergies
- Providers
- Encounters
- Procedures
- Radiology results
- Level of Service
- Health Maintenance
- Advance directives


Access Control List
Personal Input
Device, Sensor Input
Travel Log
Exercise Log
Diet Log
Specialists
Chat Rooms
Personal Health Record
Clinics
Physician e-mail
Inpatient
Internet Web
Pharmacy
Dental
Decision Support Algorithms

Issues

- Definition of EHR and EHRS
- Wide range in background/ experience/ perspective
  - IOM primarily providers and academic
  - HL7 vendors, government, organization, providers, and consultants

Issues

- Definition of EHR and EHRS
- Wide range in background/ experience/ perspective
  - IOM primarily providers and academic
  - HL7 vendors, government, organization, providers, and consultants
- Documentation/terminology issues