

# OMG Standard MDMI in Healthcare

4<sup>th</sup> Annual SOA Conference  
Washington, DC  
July 2011



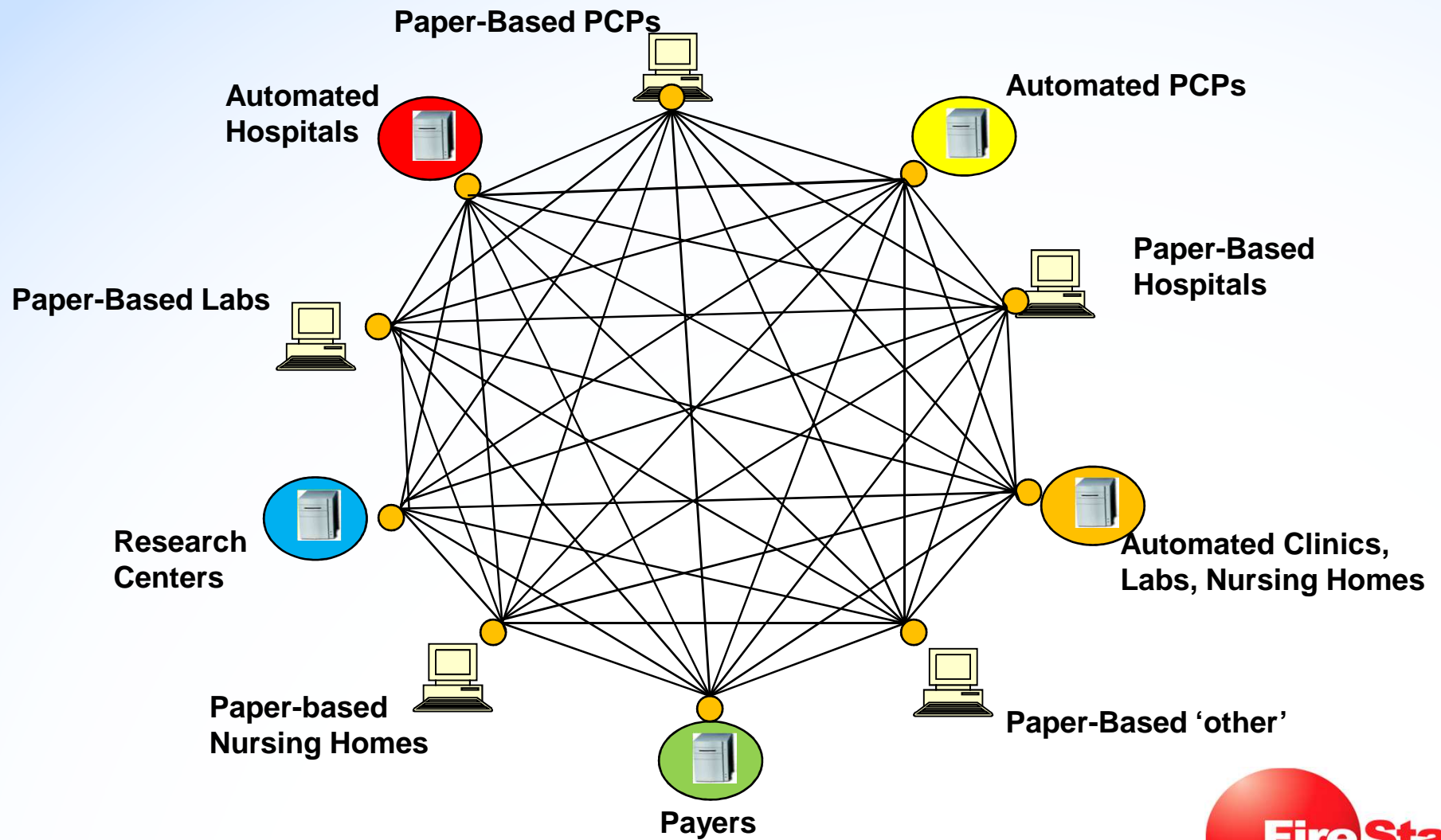
# Agenda

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- Why MDMI is important
- Industry Initiatives
- Healthcare Initiatives
  - SEMHIE
  - ONC Transition of Care Pilot



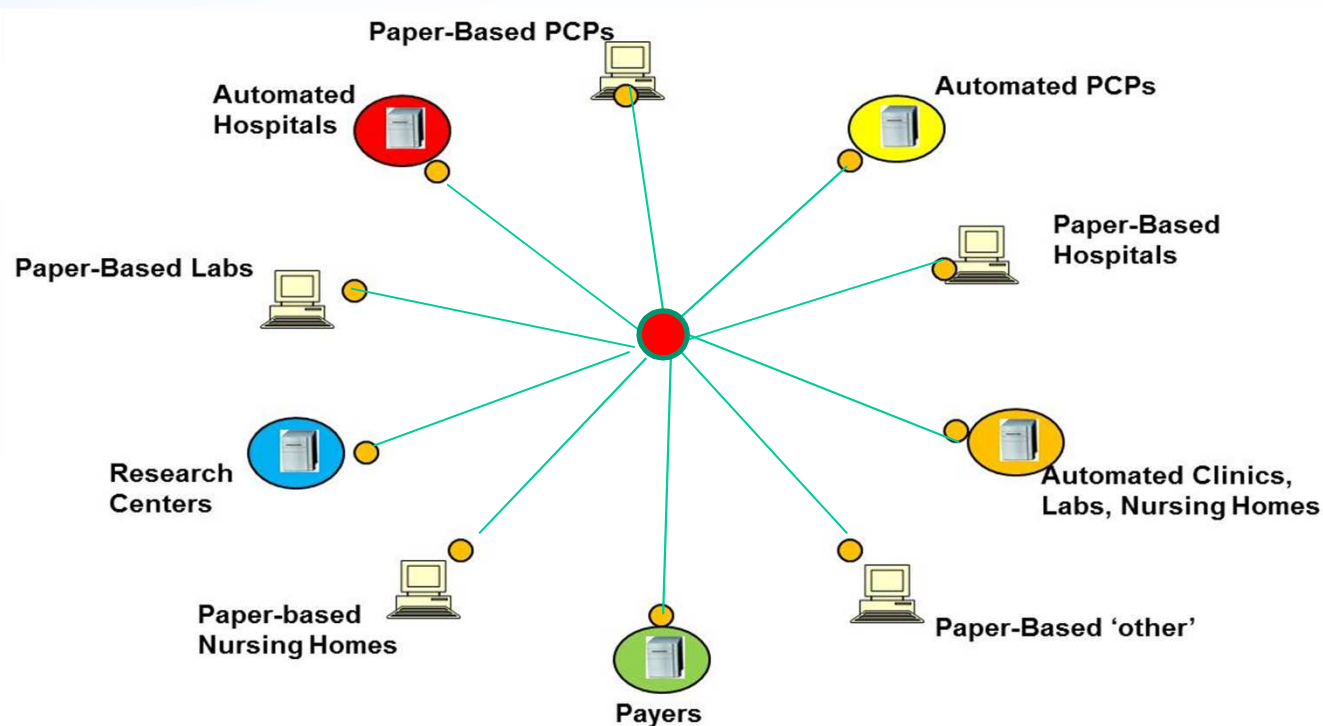
# Healthcare Problem



# What is MDMI

- Model Driven Message Interoperability (MDMI) is an approved OMG Standard.
- It provides an open, standard approach that enables exchange of electronic healthcare information.

“Center of Town” Approach

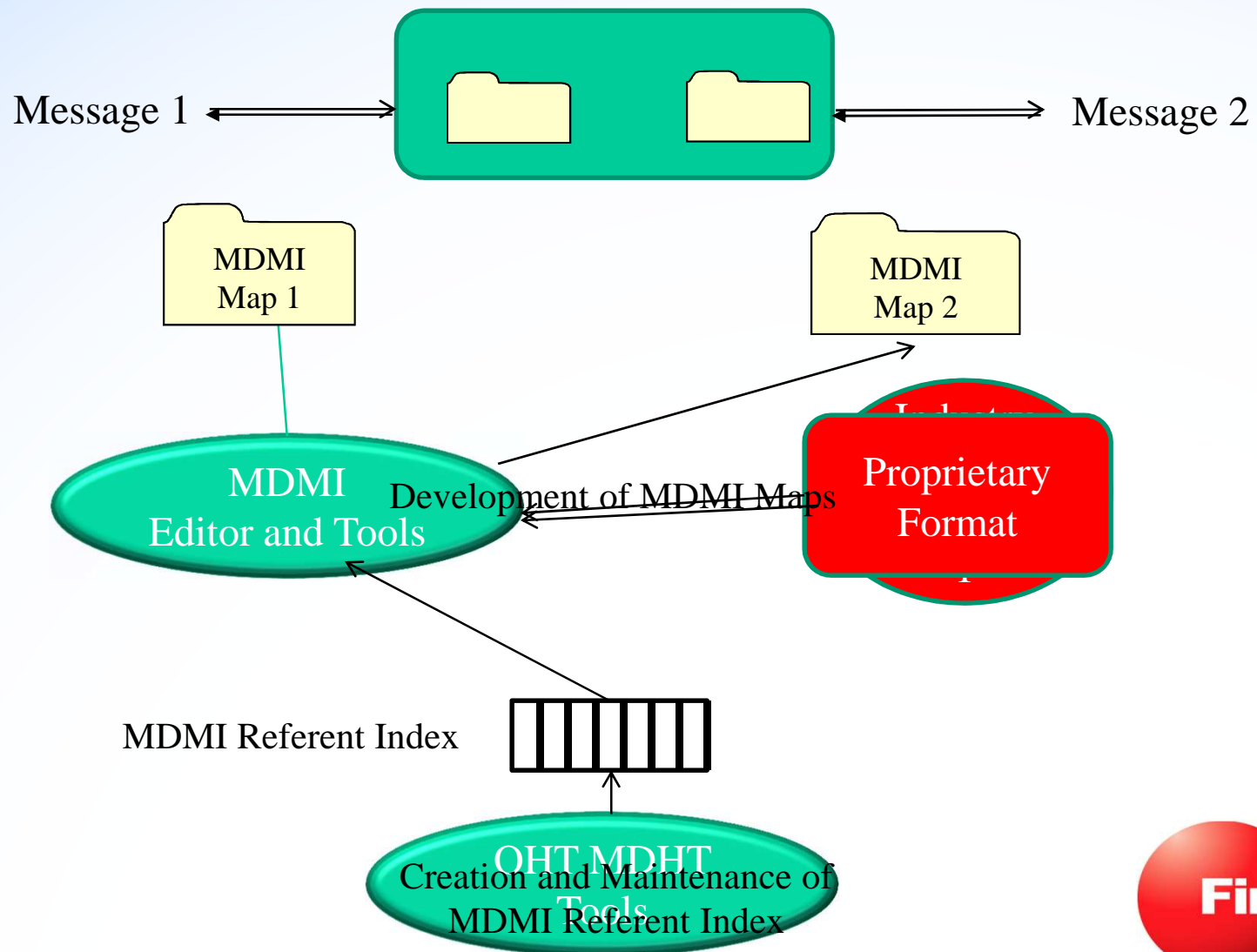


# MDMI Benefits

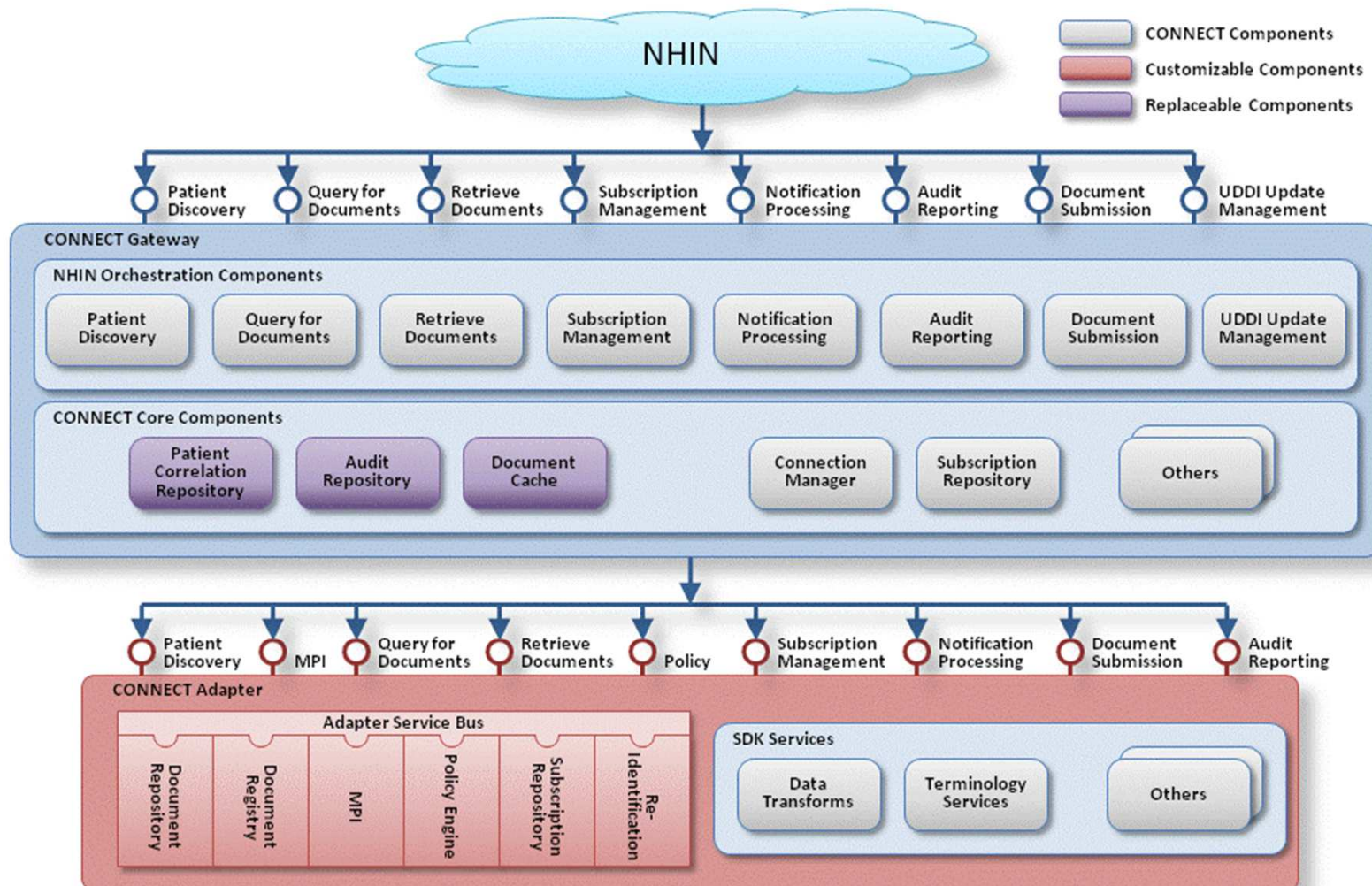
- Simplifies the implementation of information exchange
- Increases the quality of information exchange
- Information exchange can be provided to all members of the healthcare community
- Provides an agile approach to information exchange.



# How MDMI provides Information Exchange

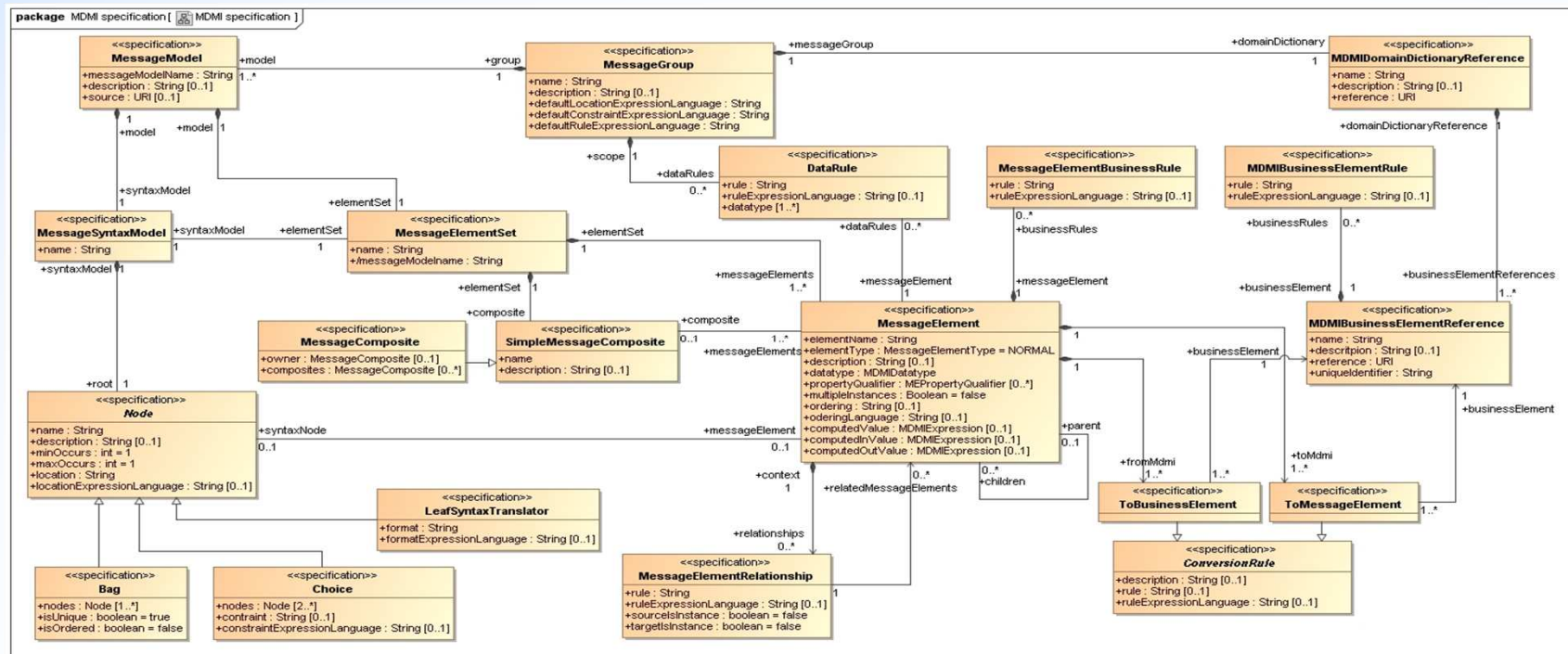






# OMG – Open Standard

- MDMI is an approved OMG Standard (2009)



- [www.omg.org/mdmi](http://www.omg.org/mdmi)





# Open Health Tools (OHT)

- The OHT MDMI program is a sub-project of Model Driven Health Tools (MDHT) Charter OHT program.
- [www.openhealthtools.org](http://www.openhealthtools.org)
- What will be available through the OHT
  - The MDMI Referent Index and associated tools
  - MDMI Maps
  - Software to build your MDMI maps (Editor)
  - Software to run your MDMI maps to convert your data into (Runtime)



# Southeast Michigan Health Information Exchange (SEMHIE)

- SEMHIE website is [www.semhie.org](http://www.semhie.org)
- MDMI is currently being used at SEMHIE in the Social Security Administration Contract
- Present Status of project
  - Infrastructure is in place
  - MDMI Referent Index reversed engineered from scope of project
  - MDMI map for SSA message (“Charlie Test”) built
  - Next phase: Development of MDMI maps for Oakwood Hospital and Henry Ford Hospital
- After initial project, goal is to extend to other practitioners in SEMHIE.
  - “Town Center” - Develop an MDMI Map for their systems.



# ONC Transition of Care Reference Implementation

- The Open Health Tools (OHT) Model Driven Health Tools (MDHT) is working with the ONC on the Transition of Care Reference Implementation
- ONC ToC Use Cases
  - Discharge Summary
  - Patient Referral
  - Complex Care Transaction
- Objective of ToC: Provide Reference Implementations for how organizations can achieve Meaningful Use 2.
- WE ARE LOOKING FOR PILOTS SITES FOR THE REFERENCE IMPLEMENTATIONS



## In Conclusion

- MDMI continues to promise for addressing the problem of exchange of electronic healthcare information in a low-cost, high quality, extensible approach
- We are working on several fronts:
  - OMG
  - OHT
  - SEMHIE
  - ONC
- FireStar is actively seeking partnerships for ONC ToC (Meaningful Use II Compliance)



# MDMI Referent Index

