

# Human Services XML Workgroup

*A Workgroup of the National Human Services Data Consortium*

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# Today's Presentation

- *Who we are and what we're doing*
- *Practical accomplishments*
  - *Overview of standards you may care about*
  - *Standards working together*
- *Practical experiences: Community profiles*
- *Next steps*

# Human Services XML Group

- *Formed in 2002*
- *Human services professionals committed to creating a standard for data sharing, enabling secure sharing of information about clients, available resources, and community needs.*

# VISION AND GOAL

*Community human service organizations will be able to easily and securely share information about clients to **improve client outcomes and achieve efficiencies.***

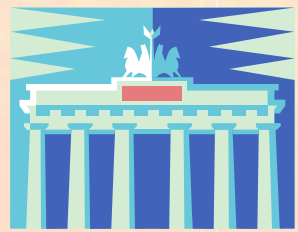
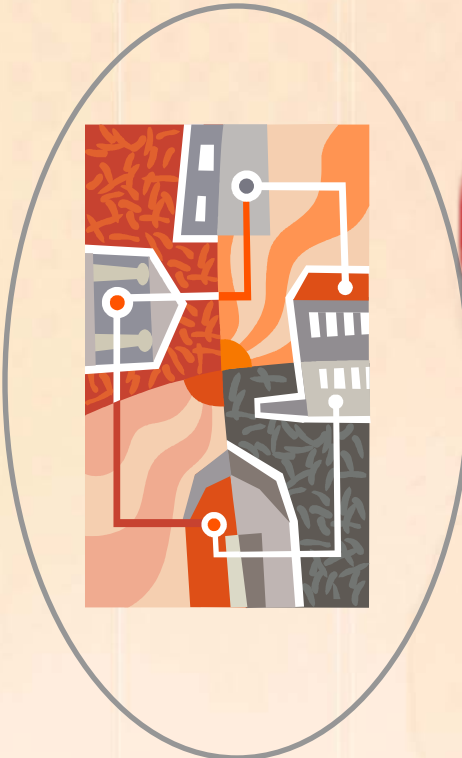
- *To create **interoperability** through linkages between human services standards that will enable easy, affordable, and reliable exchange of client information.*

# WHY DO STANDARDS MATTER?

- *Are technical “rules” about how data is captured.*
- *Enable interoperability.*
- *Interoperability means that multiple information systems may seamlessly exchange data.*
  - *Other communities have developed*
  - *Up-to-date with changes in sector*
  - *Minimize unnecessary randomness*
- *Many times “invisible” to users*

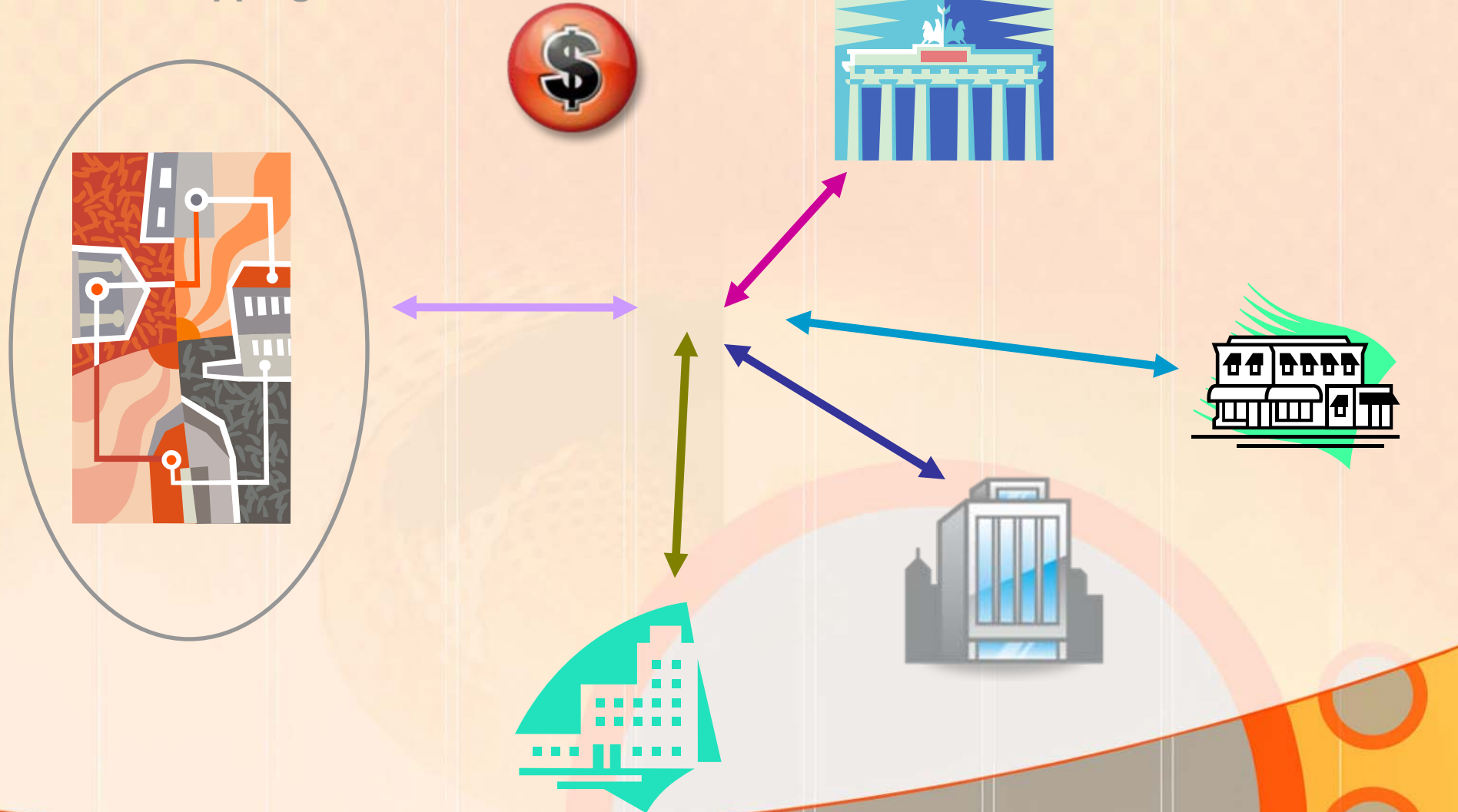
# No Standards

Custom data mapping



# With Standards Interoperability

Mapping to Standards



# INTEROPERABILITY WITH WHOM?

1. *What other organizations serve your clients?*
2. *What organizations do you report to?*
3. *What information do your community's policymakers wish they had about your clients?*
4. *What services do you wish you knew your clients are receiving, are not receiving, or are waiting to receive?*
5. *What services do you wish you knew were available (waiting lists, beds, vouchers) to your clients at the moment the need presents?*



# YOUR POSSIBLE PARTNERS

- *Public Housing* → HUD 50058 reporting
- *Healthcare* → CDA for discharge summaries
- *Behavioral Health* → National Outcome Measures
- *Criminal Justice* → Uniform Crime Reports
- *Emergency Response* → Disaster Surveillance Forms
- *Employment* → Workforce Investment Act Reporting System
- *Children/Youth* → Runaway & Homeless Youth Management Information System



# FINDINGS FROM REPORT TO HUD

- *64 health and human services standards identified in February report for HUD*

- *Areas include:*

Aging

Behavioral Health

Child and Family

Services

Community Resources

Corrections

Criminal Justice/Courts

Emergency/Disaster

Employment/Workforce

Training

Food and Nutrition

Healthcare

Housing/Shelter

Income Support

Public Health



# BROAD VIEW OF "STANDARDS"

- *Reporting Standards or Requirements*
  - *Head Start Program Information Report*
  - *Disaster Surveillance Forms*
- *Data Interoperability Standards*
  - *Continuity of Care Record*
  - *Law Enforcement Information Sharing Program Exchange Specifications (LEXS)*
- *Overarching Frameworks*
  - *Medicaid IT Architecture*
  - *National Information Exchange Model*
- *SDOs or Harmonization Efforts*
  - *Health Information Technology Standards Panel*
  - *ANSI Homeland Security Standards Panel*
- *Certification Organizations*
  - *Certification Commission for Healthcare Information Technology*

# STANDARDS BY SECTOR

Sector	# of Standards
Health Care	21
Child and Family Services	11
Public Health	10
Emergency/Disaster	9
Criminal Justice/Courts	6
Behavioral Health	5
Housing/Shelter	5
Food and Nutrition	4
Community Resources	2
Corrections	2
Aging	1
Employment/Workforce	1
Income Support	1


# STANDARDS BY "TYPE"

<i>Standard Type</i>	<i># Identified</i>
<i>Reporting Standards</i>	33
<i>Data Interoperability Standards</i>	16
<i>Standards Development Organizations/Harmonization Efforts</i>	9
<i>Overarching Frameworks</i>	6
<i>Certification Organizations</i>	1

# FEDERAL SPONSORS

<i><b>Federal Department</b></i>	<i><b># Standards</b></i>
<i><b>Health and Human Services</b></i>	44
<i><b>Justice</b></i>	7
<i><b>Homeland Security</b></i>	5
<i><b>Housing and Urban Development</b></i>	3
<i><b>Agriculture</b></i>	2
<i><b>Energy</b></i>	1
<i><b>Labor</b></i>	1

# OTHER ISSUES

- *Privacy & Confidentiality*
  - *Decisions About Infrastructures*
  - *Data Quality and Content*
  - *Client Matching Strategies*
  - *IT Expertise*
  - *Cost*
- 
- The background features a light orange gradient with vertical lines. A faint globe is visible on the left. A large, light blue semi-circle with a red outline is positioned in the lower right. At the bottom, there is a decorative border with binary code (0s and 1s) and two orange circles on the right side.

# RECOMMENDATIONS

1. *Prioritize standards of most relevance and interest to HUD and its grantees.*
2. *Compare priority standards to the HUD HMIS standards and develop strategies for how standards may interact.*
3. *Document best practices in community data sharing efforts that include data on homeless men, women, and children.*
4. *Participate in, and develop, data sharing dialogues with other health and human services standards efforts.*
5. *Document challenges and solutions to community information sharing.*
6. *Identify additional data resources that may help communities and HUD document homelessness in the United States.*

# HS XML Accomplishments

## *1. AIRS/HMIS integration of data types and style guide*

- HMIS uses AIRS types*
- HMIS relies on AIRS to convey Agency Site Service Provider data*

# Practical Accomplishments (cont.)

## 2. DCDS/HMIS schema harmonization

- *Currently working to get DCDS approved as HUD standard*

## 3. Draft HSXML format

- *client identifiers, cases, releases, demographics, household, services, program entry/exits, etc.*

# Community Panelists

- *Muskegon*
  - *Barb Ritter*
- *Minnesota*
  - *Eric Grumdahl*
  - *Sharon Arch*
- *SHADoW*
  - *Dave Youngs*
- *Other?!*



# Next Steps

*1. Messaging and Synchronization – We've been struggling in the adoption of a synchronization protocol*

- Adoption of Open Mobile Alliance's Data Synchronization standard*

*2. Draft HSXML -> Release Version*

- Needs to be abstracted further and made more modular, perhaps as an OASIS sponsored project*

- Needs broader participation in development*



# Next Steps (cont.)

## 3. Outreach to Other Standards Bodies and Human Services Consortia

- American Public Human Services Association
- IEEE presentation
- National Information Exchange Model (NIEM)
  - NIEM included standards are called Information Exchange (Packages IEP)
  - Pursue making HSXML a NIEM IEP

# Next Steps (cont.)

## *4. Outreach to Other Human Services Agencies*

- Continue the standards cataloging project, contact the various data standards groups*

*5. Grow the HSXML group participation and increase membership at [hsxml.nhsdc.org](http://hsxml.nhsdc.org) portal and the HSXML Google Group listserv.*

# Discussion

