WISCONSIN
DWD

Common Intake and Data Integration Updates

AIMEE JAHNKE

WI Dept. of Workforce Development

Vision Story

- Remember Jordan:

Mission

- **When:** No later than June 2020,

- **Who:** DWD and WTCS, in consultation with stakeholders,

- **What:** Build a "Common Intake" system to support program participants served through "No Wrong Door" using an integrated, and interoperable platform.

- **In order to:**
  - Co-manage cases (leveraging resources);
  - Make appropriate referrals;
  - Report Federal deliverables and Evaluate Programs;
  - Improve Customer Experience

Reasons To Link

Coordinate Service Delivery	Cross Program Reporting
Automate Required Data Collection	Evidence Building

Completed or in Process Sub-Projects

Co Enrollment Reports and WDI

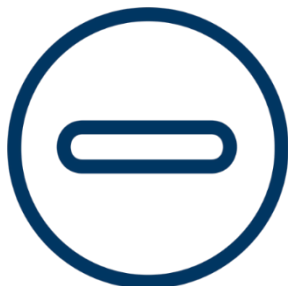**Connection to NSCH**

IBM Tool

IBM Infosphere Identity Insight

Who is who?

Determines when multiple records that seem to describe different entities, are actually a single entity.

Who knows who?

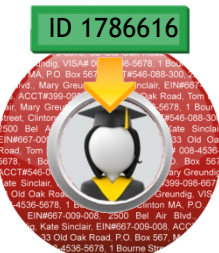Detects Relationships.

Identity Insight – Identity Resolution

Identity Resolution

- **Full Attribution** – Entities maintain full attribution

- **Perpetual Analytics** - Real-time perpetually updated, accurate, high fidelity identities
  - ✓ Automatic self-correcting
  - ✓ No data latency
  - ✓ No refreshes/reloads required

- **Physical/Digital Attributes**

- **More Data The Better** - Massive Scalability
  - ✓ Internal & external sources
  - ✓ Supports limitless data sources

- **Fuzzy Matching** – Seeing Through The Subtle

- Cleans up identity network visualization "NODE DETECTION"

ID 1987839

ID 8987009

ID 1786616

ID 3335673

Easton, MA 02334

1 Bourne St.
Bolton, MA 01512

P.O. Box 12743
Clinton, MA 01510

Kate Mills-Green
Katie Green
Kate Mills
Kate Green
Kate M. Green

Phone:(508)278-6019
(978)365-6631
(501)661-8044
Work: Zycast Int.
Silverback
Kinear

Green
on Dr.
A 02334
e:(508)278-6019

Zycast Int.
DOB: 11/13/71

Global Name Management

- Names can have correct variations that appear very different.

- Enables entity resolution process to use fuzzy name matching.

- Culture -specific name data and linguistic rules.

Identity Insight – **Global Name Management Integration OOTB**

Global Name Management

Name Variations,	*Andras, André, Andre, Drue, Ohndre*
Nicknames.	*Drew, Manny, Cat*
Shortened names,	*Andy, Eman*
Prefixes,	*Abdul, Fitz, O', De La,*
Name Order,	*Hussein, Mohammed Abu Ali*
Titles,	*Dr., Rev, Haj, Sri., Col*
Phonetics,	*Worchester, Wooster, "Worcester"*

Cait

Katchen

Katya

Catriona

Catriona

Katrin

Kathy

Casey

Catherine

-4536-5678, 1 Bourne Str
T#546-088-300

UI Wage File

- Problem: Limited Fields to Match
  - First Name, Last Name, SSN

- What can the tool do?

- What it can 't do?

Can Do:

- Context Accumulation

RecID: 20001
- Name: Gerald Singer
- DOB: 06/02/1965
- Address 1016 N Howard Street

RecID: 20002
- Name: Gerald Singer
- SSN: 157-02-4567

RecID: 20003
- Name: Gerry Singer
- DOB: 06/02/1965
- SSN: 157-02-4567
- Address: 1016 Howard Avenue

Can't Do: Name Alone Match

- Leverage Tool Relationship Score

- What if you want to get away from SSN all together?

DWD Future Plans with Tool

Real Time
Data Sharing

Quality
Assurance

Reporting

Common Intake Data Integration
Target Dates

Current Program Year

- Reports 2/2020

Program Year July 2020

- IBM Tool Connected
- Code Phase 1
- Start Automated Source #2

Program Year July 2021

- Release Phase 1
- Code Phase 2
- Automated Source #2, #3

Program Year July 2022

- Release Phase 2
- Automate Source #4

Teams

Data Steward Committee

Communications

Policy and Guiding Principles

IT and Data Security

Contact Us

Overall Coordination: Aimee Jahnke

Technical Projects: Nithanth Boggaram

Policy Team: John Gelletta

Communications Team: Kara Leffelman

Data Steward Team: Bryan Huebsch