



*Virginia Information Technologies Agency*

# Enterprise Data Standard: Person and Contact Methods

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# Agenda

- Scope
- Context
- Data Standard Purpose
- Data Standard Walk-through
  - Narrative
  - Person & Alias
  - Address & Telephone
- Next Steps
- Questions



## Scope

- In scope:
  - Data Standard for Person that includes Address and Telephone
- Out of scope:
  - Legal aspects of data sharing and reuse; Sec. Hazel has convened another group to address



# Context



## VITA's Role in the MITA Program - Standards

- Facilitate the development of Data Standards for:
  - Person
  - Organization (generic)
  - Provider
  - Organization (health care)
- Facilitate the development of Data Exchange Standards for:
  - Care Management data exchanges
  - Member Management data exchanges
  - Other as determined by the needs of the HIE and MITA and eventually the Enterprise



## IBM Initiate

- IBM Initiate uses probabilistic algorithms to match records – Person, Organization, Provider
- Algorithms may be tuned or modified but are based on extensive experience and best practices established over time
- Success of the algorithms is dependent on the degree to which the data is populated in the source system(s). Sparsely populated attributes or fields should not be used in matching



# Data Standard Purpose

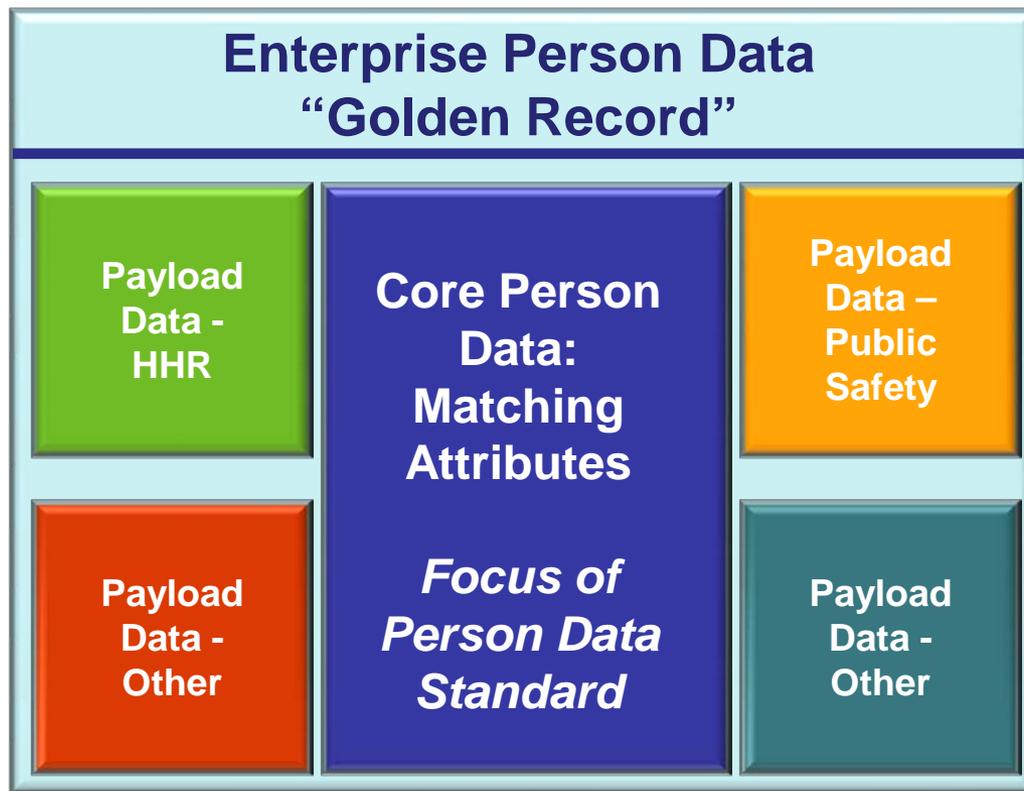


# Person Data Standard Purpose

- Define the attributes used for matching in the Enterprise Data Management (EDM) tool
  - Matching may be within a single source database (e.g., to identify duplicates)
  - Matching may be across multiple source databases (e.g., locating a specific individual person in DSS, VDH and DMV databases)
- Support the configuration of the EDM tool and its matching functionality



# High Level EDM Data Model





## Person Data Standard Purpose

- Does **not** define all attributes that may be retained by the EDM tool
- Does **not** define unique requirements of individual agencies
- Does **not** define unique requirements of a specific Community of Practice (e.g., only HHR agencies)

**Purpose: Define the Person attributes that are typically common across agencies and that will be used to uniquely identify an individual**



# Data Standard Walk Through



# Draft Logical Model Development

- Initial list of high-level attributes (e.g., Name, Address) identified in January 2011 discussions on CAS and EDM
- Identified the detailed attributes required (e.g., First Name, Middle Name, City)
- Reviewed the detailed attributes in the context of existing standards:
  - National Information Exchange Model (NIEM)
  - Health Level 7 (HL7)
  - X12 (Medicaid, HIPAA)
- Validated the draft logical model against IBM Initiate best practices and default functionality



# Draft Logical Model Development

- Convened meeting on 8/8/2011 of Enterprise Data Management (EDM) Governance Work Group
  - 17 agencies invited, 16 accepted: DOE, TAX, DMV, SBE, DMAS, DSS, DBHDS, VDH, DGS/DCLS, VEC, VCCS, DOC, DRS, VSP, DGIF and APA
  - Identified a number of questions/clarifications for IBM (e.g., should we use Race? Clarify "Alias" vs. "History")
  - Put the subject of handling Newborns in a Parking lot for further discussion with IBM and others
- VITA staff met with IBM on 8/10/2011 for further discussion and clarification; answers to pending items documented
- Convened second meeting of EDM Governance Work Group on 8/11/2011
  - Minimal additional clarifications required; general agreement on the logical model



## Draft Logical Model Discussion Points

Does the logical model include the correct:

1. Entities?
2. Definition for each Entity?
3. Attributes for each Entity?
4. Definition for each Attribute?
5. Valid Values for those Attributes requiring them?



# Next Steps



## Next Steps

- HITSAC agreement to recommend approval
- Post to ORCA for 30 day public comment period
- Address comments received (may require review by the EDM Governance Work Group and HITSAC)
- Finalize the draft Data Standard
- Submit the Data Standard for approval by the CIO and SoTech

