CCH Analytic Dashboards

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The Common Data Model (CDM) was created to normalize states’ data

- Based on JTF standard
- Added data elements for specific CCH elements – sentence data
- Added derived and calculated data elements
Data Collection

• Worked with individual states
  • Arkansas, Connecticut, Maine
• Received the CCH data tables as CSV tables
  • Used Data Dictionaries and ERDs
• Work directly with state DBAs and repository staff on data mapping
• Set up automated data extracts on monthly basis
• Secure environment for states to share raw data
• Remove PII or hash identification numbers
• Develop code tables to standardize dispositions, charge categories, etc.
• Separate CDM for each state
• Add NCIC offense codes and other codes as needed
• Review with contributing state
• Add the derived and calculated elements
• **Dimensional Model for Analytics**
  – Used to form data to human-readable metrics
  – Improve data retrieval
  – Defines granularity – what level of detail to view the data
  – Create facts based on dimensions
  – Star schema
Thinking beyond dashboards
  – CDM is a rich uniform data set
  – Inform survey

Ability to do research and inform state and national Criminal Justice policy

Comparison of state data

Data integration and new exchanges