Business leads work closely with data-management staff to coordinate how information architecture can better support business outcomes.

Project teams bring data-management staff in on project planning, scheduling and cost estimation.

Procurement staff coordinates with data-management staff when purchasing new IT solutions.

Application developers engage with data-management staff throughout the system development lifecycle.

Agency leadership integrates data management/information architecture with organizational change management strategies.

Please indicate your level of agreement with the following statements within your Agency.

- Strongly disagree
- Disagree
- Agree
- Strongly agree
How involved are the following staff members in your Agency's EIA activities?

- Agency Head
- Agency Chief Information Officer (CIO)/IT Director
- Information Security Officer (ISO)
- Agency IT Resource (AITR)
- Database Administrators
- Project/Program Managers
- Data Stewards
- Business Analysts
- Technical Staff
- Procurement Staff

Legend:
- Not Applicable
- Not aware and not involved
- Aware but not involved
- Supports but not active
- Actively participates
Which of the following EIA deliverables have been implemented by your Agency?

- **Agency data/information strategy aligning with business strategy**
- **Agency data/information management policies, procedures and processes**
- **Agency data standards and/or compliance with adopted Commonwealth data standards**
- **Agency data/information management training for data stewards**
- **Metadata for Agency’s enterprise data systems**
- **Agency/Interagency data-sharing agreement(s)**

Legend:
- □ Agency does not plan to implement
- ■ Still exploring implementation potential
- □ Developing implementation plan
- ■ Fully implementing the deliverable
Agency has designated data stewards with clearly defined roles and responsibilities.

Agency's data stewards receive periodic training on data governance.

Agency's data governance strategy includes electronic records management.

Agency has adopted data governance policies, standards, guidelines and procedures.

Agency holds regularly scheduled stakeholder meetings relating to data governance.

Agency's data stewards actively participate in Commonwealth-wide data governance activities.

Agency's data governance program has been designed in line with Agency business requirements.

How organized and stakeholder-driven is your Agency's data governance program?

- Strongly disagree
- Disagree
- Agree
- Strongly agree
Agency formally plans its data governance activities rather than take an ad hoc approach.
Agency regularly engages its stakeholders for data governance.
Agency tailors its data governance activities to meet stakeholder needs.

How frequently do the following data governance activities occur in your Agency?

- Always
- Often
- Rarely
- Never
How involved are the following staff members in your Agency’s data governance activities?

- Agency Head
- Agency Chief Information Officer (CIO)/IT Director
- Information Security Officer (ISO)
- Agency IT Resource (AITR)
- Database Administrators
- Project/Program Managers
- Data Stewards
- Business Analysts
- Technical Staff
- Procurement Staff

Options:
- Not Applicable
- Not aware and not involved
- Aware but not involved
- Supports but not active
- Actively participates
Does your Agency maintain metadata - descriptive information about agency data - as part of its data management practice?

Yes: 56.0%
No: 44.0%
How well documented and tracked are your Agency’s data assets?

- Agency maintains an inventory of its enterprise data assets.
- Agency tracks which enterprise data assets are exchanged and with what other systems.
- Agency has a detailed taxonomy to track its enterprise data assets.
- Agency has documented metadata for its enterprise data assets.
- Agency publishes and maintains its metadata in a metadata repository or registry.
- Agency maps its enterprise data assets to adopted Commonwealth data standards.

![Survey Results](chart.png)
Which of the following best describes your Agency’s approach to maintaining metadata for enterprise data assets?

- 84.6%: Agency uses basic tools such as Microsoft Word, Excel or Access with general descriptive information on the data assets.
- 11.5%: Agency uses specialized tools such as OneMeta MDR or LogiXML with general descriptive information on the data assets.
- 3.8%: Agency uses specialized tools such as OneMeta MDR or LogiXML with standardized metadata information for all data assets.
Who would you consider the most active user(s) of your data asset inventory and metadata? (Select the top three (3) users.)

- Agency Head
- Agency Chief Information Officer (CIO)/IT Director
- Information Security Officer (ISO)
- Agency IT Resource (AITR)
- Database Administrators
- Project/Program Managers
- Data Stewards
- Business Analysts
- Technical Staff
- Procurement Staff

Options:
- Not Applicable
- Choose top three (3) only
Agency views data standardization as vital for enterprise interoperability.

Agency understands the value of data standards for sharing and maximizing its data assets.

Agency views enterprise data standards and interoperability as central to its business outcomes.

Agency maintains full compliance with adopted Commonwealth data standards.
Which of the following best describes your Agency’s approach to data standards?

- 62.8%: Agency develops its data-management solutions based on adopted Commonwealth data standards and/or standards maintained by national/international Standards Development Organizations (SDOs).
- 20.9%: Agency develops its data-management solutions based on adopted Commonwealth data standards and/or standards maintained by national/international Standards Development Organizations (SDOs) and regularly tracks these standards for new versions or updates.
- 11.6%: Agency develops its data-management solutions based on “internal” standards designed for the Agency or each individual system.
- 4.7%: Agency develops its data-management solutions without considering or identifying applicable data standards.
How involved are the following staff members in your Agency’s compliance monitoring for data standards?

- Not Applicable
- Not aware of monitoring
- Aware but not involved in monitoring
- Some monitoring role
- Strong monitoring role
During which of the following project or product phases does your Agency monitor compliance with adopted data standards?

<table>
<thead>
<tr>
<th>Phase</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Initiation</td>
<td>20.0%</td>
</tr>
<tr>
<td>Project Planning</td>
<td>30.0%</td>
</tr>
<tr>
<td>Project Execution and Control</td>
<td>40.0%</td>
</tr>
<tr>
<td>System Design</td>
<td>50.0%</td>
</tr>
<tr>
<td>System Development/Testing</td>
<td>60.0%</td>
</tr>
<tr>
<td>System Verification</td>
<td>70.0%</td>
</tr>
<tr>
<td>System Implementation</td>
<td>80.0%</td>
</tr>
<tr>
<td>System Maintenance &amp; Update</td>
<td>0.0%</td>
</tr>
</tbody>
</table>
COV/EIA provides adequate notice to data stewards during its process of establishing Commonwealth data standards.

COV/EIA publishes adopted Commonwealth data standards in an accessible, easy to use Web-based repository.

COV/EIA fully engages data stewards, business leads and other stakeholders in the adoption of Commonwealth data standards.

COV/EIA maintains an appropriate extension/mitigation process to support Agency compliance with adopted Commonwealth data standards.

COV/EIA compliance and enforcement activities are clearly defined and communicated to Commonwealth Agencies.

How does your Agency view the Commonwealth EIA Program’s process for data standards?

- Strongly disagree
- Disagree
- Agree
- Strongly agree
Does your Agency share data with other Agencies or external partners?

- 84.1% Yes
- 15.9% No
Agency views data sharing as vital for maximizing the value of enterprise data assets.

Agency participates in data-sharing relationships with other entities.

Agency develops its EIA strategies based on data-sharing relationships.

Agency uses data shared within/with other entities in its business strategies.

Agency integrates shared data into its program performance/outcome measurement.

Agency continuously explores new data-sharing opportunities.

How would you describe your Agency’s view of enterprise data sharing?

- Strongly disagree
- Disagree
- Agree
- Strongly agree
With what entities does your Agency share its enterprise data assets and through what type of agreement?

- No data sharing of this type
- Data sharing but no formal agreement(s)
- Point-to-point agreement (e.g., MOU)
- Multi-agency agreement (e.g., DURSA)
Technical barriers associated with legacy systems
Human resource (staffing) barriers within my Agency
Political and cultural barriers within my Agency
Political and cultural barriers between Agencies
Formal Agency policies and procedures - security
Formal Agency policies and procedures - privacy
Formal provisions in the Code of Virginia - security
Formal provisions in the Code of Virginia - privacy
Federal regulations - security
Federal regulations - privacy

What would you consider to be your Agency's biggest barriers to enterprise data sharing?

Choose top three (3) only
How would you rank the following Agency staff members as drivers of enterprise data sharing?

- Agency Head
- Agency Chief Information Officer (CIO)/IT Director
- Information Security Officer (ISO)
- Agency IT Resource (AITR)
- Database Administrators
- Project/Program Managers
- Data Stewards
- Business Analysts
- Technical Staff
- Procurement Staff
- Other

- Major driver for data sharing
- Supports but does not initiate
- Aware but not supportive
- Often a barrier to data sharing
- Not Applicable