

Data Driven Academic Medical Centers Work Group: Scope & Approach

Scope

The DDAMC Work Group will discuss issues and collaborate around data-driven projects and initiatives that will cover a broad range of topics that may contain the following:

Data & Analytics Governance: the analysis, committees, and approval flows that are necessary to codify institutional data and analytics into approved, authoritative data understood across the institution.

Enterprise Information Management or Data Management : the organization of data in a way that facilitates both technical and business use through modeling, terminology development, reference data set development, and transparency of the data flow and transformations across systems, including warehousing.

Data Warehousing: the extraction, modeling, and loading of data from disparate systems into a centralized warehouse(s) for use in other systems and analytics.

Analytics: data assembled and calculated (generally using measurements) to answer and support operational needs and reporting, typically with visual representations of the measurements.

Visualization: representation of the data through graphs or pictorial representations in order to better facilitate the understanding of concepts or emphasize patterns.

In addition to the technical domain areas, a number of organization and implementation topics might be considered, such as:

Organizational Change: the shift in organizational culture towards the use of data to drive decision-making, and the organizational support required to achieve an enterprise-wide data-driven organization.

Cross-mission approach: tactics to include data across multiple mission areas and institutions in order to provide a more comprehensive view.

Strategic Planning: process of incorporating data analytics within the strategic planning process as a way to select as well as to evaluate an institution's strategic plan.

Staffing and Project Teams: key players and roles necessary to design and execute on a data driven program.

Finance and Sustainability: funding models, sustainability plans, and approaches for return of value/investments.

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Approach

The approach to achieve these goals focuses on two core areas: Communication & Community and Resources. The two primary areas below describe what participants can gain by being a part of this Work Group.

Communication & Community

- Build a community of members interested in this topic that invites all members of the AAMC community, with the potential initial focus on the GBA, GIP, and GIR members.
- Host regular calls and webinars that focus on member participation, sharing different areas of knowledge, ongoing projects, and discussions of challenges at different AMCs.
- Create a web-based 'place' and a listserv (ideally integrated -) for the community to connect and share asynchronously.
- Sponsor events that focus on the various aspects of data driven AMCs including:
 - Dedicated DDAMC events
 - Facilitate and help coordinate data driven presentations and sessions at AAMC meetings

Resources

Build a library of resources for members to find and contribute artifacts including, but not limited to: best practices, trending reports, snapshots of analytics (e.g. dashboards), glossaries, presentations and webinars relevant to DDAMC focus.

Resources can be divided into two core areas:

- Curated resources: This area includes carefully created or reviewed documents that are designed to represent 'best of' or foundational knowledge resources (e.g. best practices, trending reports). This could include a tool that lists the different metrics that schools utilize the most and are the most effective. Also, how to apply the data, and how to leverage data across entities (health sciences, parent campus).
- Community resources: an area that has no barriers to submission and can include any type of artifact contributed by any member.

Additional Resources

- An additional strategic area for potential growth are AAMC initiatives that focus on creating cross-institution analytics/measurements intended to be used by all AMCs.
- Discussions with vendors. If a number of schools are utilizing a specific tool, the WG can facilitate discussions with the vendors.
- Templates that schools are willing to share that other schools can adapt/utilize for their own needs