

The e-Compendium: An Innovative Cross-Functional Platform for Scientific Statements

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ABSTRACT

Objective: Evidence-based scientific statements provide the basis for educational initiatives and are used to ensure consistency across scientific publications and other medical projects. Ensuring that cross-functional teams have reliable, centralized access to current statements is often a challenge. The objective of this project was to develop a secure, web-based, searchable scientific statement repository with related supporting materials for use across the organization and cross-functional teams (eg, clinical, medical, scientific communication, regulatory, health economics and outcomes research, etc).

Research design and methods: The e-Compendium offers a web-based repository solution that provides user search and source referencing as core capabilities. Publications, slides, abstracts, posters, and oral presentations are continuously updated to ensure that the scientific statements are supported with the most recent data. The platform was designed with an engaging user interface that requires minimal training.

Results: The e-Compendium was demonstrated to have wide utilization during a pilot program designed to assess utility. Notably, users have experienced ready access to current scientific statements and references, thereby ensuring consistency and improving efficiency in the development of medical as well as educational initiatives.

Conclusions: The e-Compendium provides easy access for cross-functional teams, ensuring that the latest scientific statements and supporting materials are readily available. This centralized and dynamic platform may be used broadly across the organization to improve access and consistency in scientific statements that support medical communication and the delivery of appropriate patient care.

BACKGROUND

Unmet Educational Need and Solution

- In order to support consistent educational messages, a tool is needed to maintain scientific statements and related enduring materials
- An effective electronic solution must combine accessibility, an effective user interface, search functionality, and strong security
- An e-Compendium was developed to meet these needs in a web-based platform that enables real-time updating and requires minimal training (Figure 1)

Figure 1. Web-Based, Searchable Program



OBJECTIVE

- Develop a secure, web-based, searchable, evidence-based scientific statement repository
- Include related supporting materials for use across the organization and cross-functional teams (eg, clinical, medical, scientific communication, regulatory, health economics outcomes research, etc)

METHODS

What Is the e-Compendium?

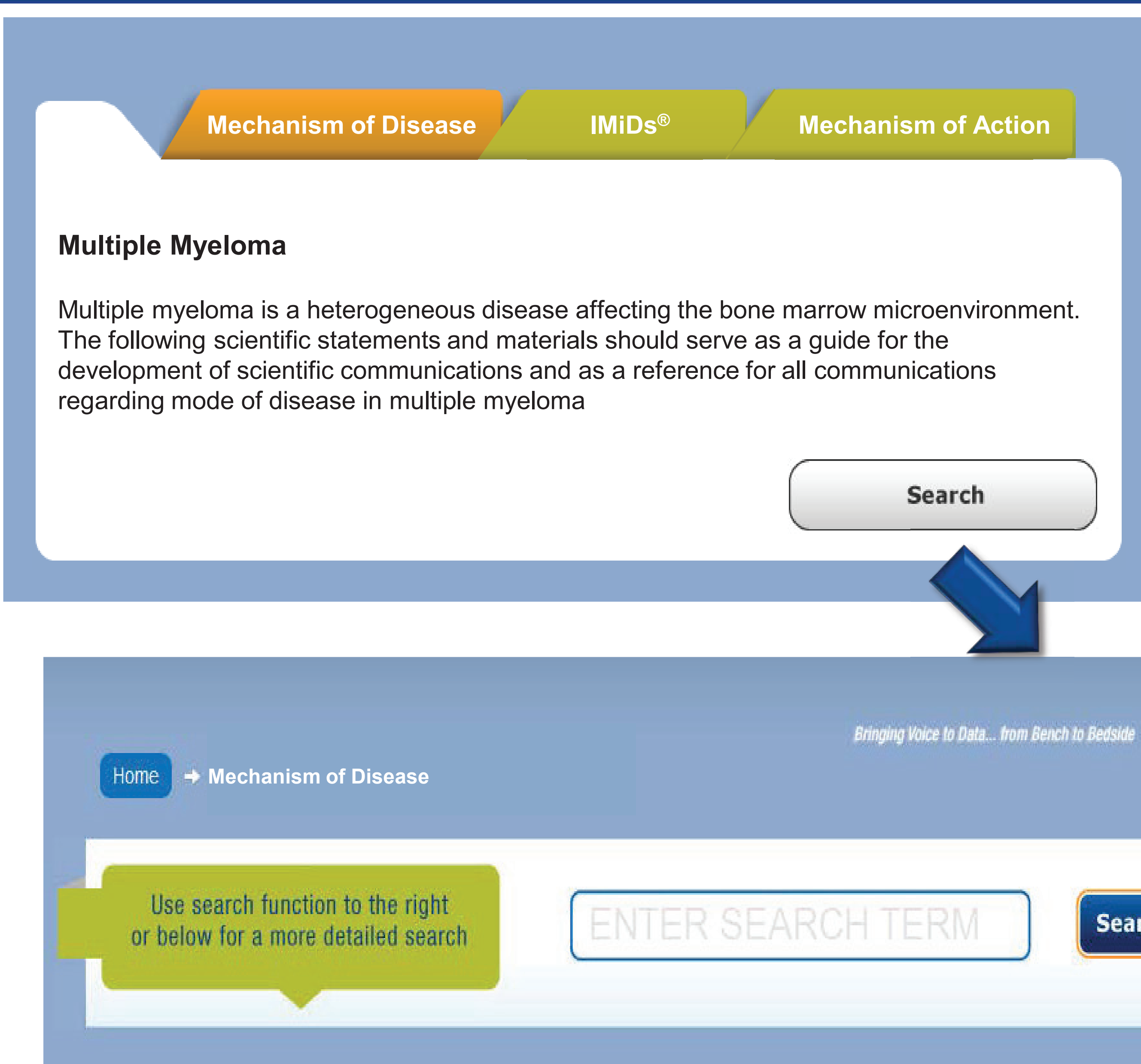
- A web-based repository solution providing user search and source referencing as core capabilities
 - Continuous updating of publications, slides, abstracts, posters, and oral presentations
 - Ensures that scientific statements are supported with the most recent data
- Accessible via a secure cloud environment from any web browser or mobile device
- Easily updatable and allows for additional categories and statements

RESULTS

Organic Search

- Content within materials uploaded to the e-Compendium is searchable by keywords (Figure 2)
- Search engine indexes a digital asset library
- System quickly searches through articles, enabling access to a vast resource of knowledge, with the ability to download those resources

Figure 2. Organic Search



RESULTS (cont)

Custom Keyword Search

- An article may include information on a topic, such as "dose reductions," but does not have the word or phrase listed as a keyword in the article
- The system can include manual tags in articles with additional keywords, facilitating a deeper, customized searching environment

Table 1. Additional Features

Feature	Details
Searchable slides	Keywords can be added to slides to expand the search algorithm
Downloadable slides	Slides can be downloaded by users
Sharing capabilities	Search results and individual documents can be printed or exported
Reference summaries	References can be summarized for faster reading
Study site	Includes all references and slides pertaining to a single study
Publication plan	Publications can be uploaded under their respective objective as they are developed throughout the year, enabling the team to track the progress of the publication plan

Awareness Campaign

- To broaden visibility of the e-Compendium, prelaunch and postlaunch awareness campaigns were strategically rolled out to stakeholders

User Metrics: Multiple Myeloma e-Compendium

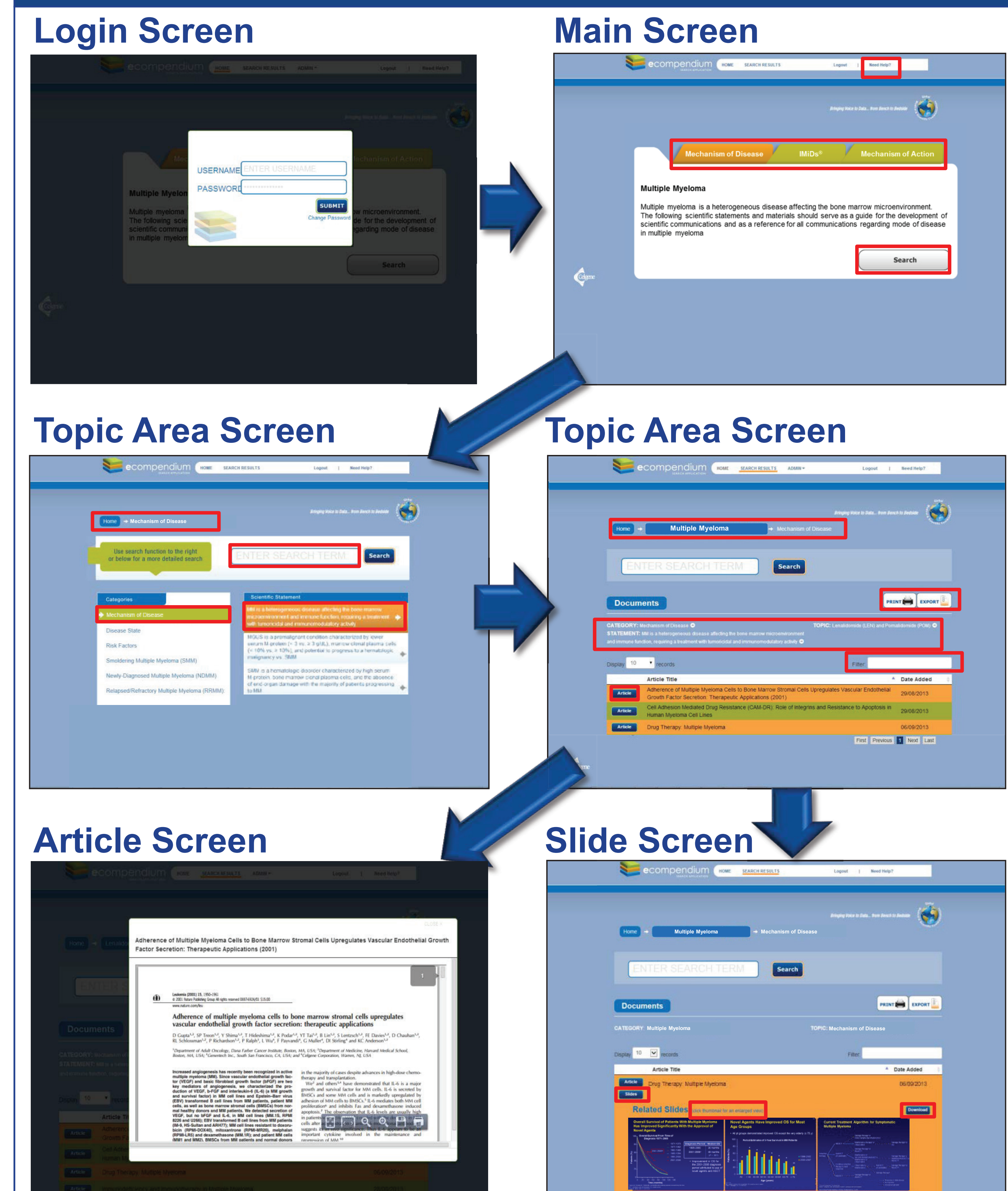
- Metrics were collected for the first 6 weeks of use (Jan 30-March 19, 2014)
- Total number of users: 320
- The site registered 3048 total views
- Resources viewed/downloaded: articles (100), posters (21), slide decks (33)
- Scientific statements selected: 411
- Total organic searches (top search terms): 81 ("MM-020"; "maintenance")

CONCLUSIONS

The e-Compendium Is:

- A user-friendly system that provides access for cross-functional teams and transversal harmonization (Figure 3)
- A searchable single source for all materials relating to a key strategic topic
- Designed to improve consistency in scientific statements
- Able to support medical communications and delivery of appropriate patient care

Figure 3. e-Compendium Website Navigation



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