

COVID-19 Navigator Project

Update Session

March 24, 2021

An OMG Managed Community



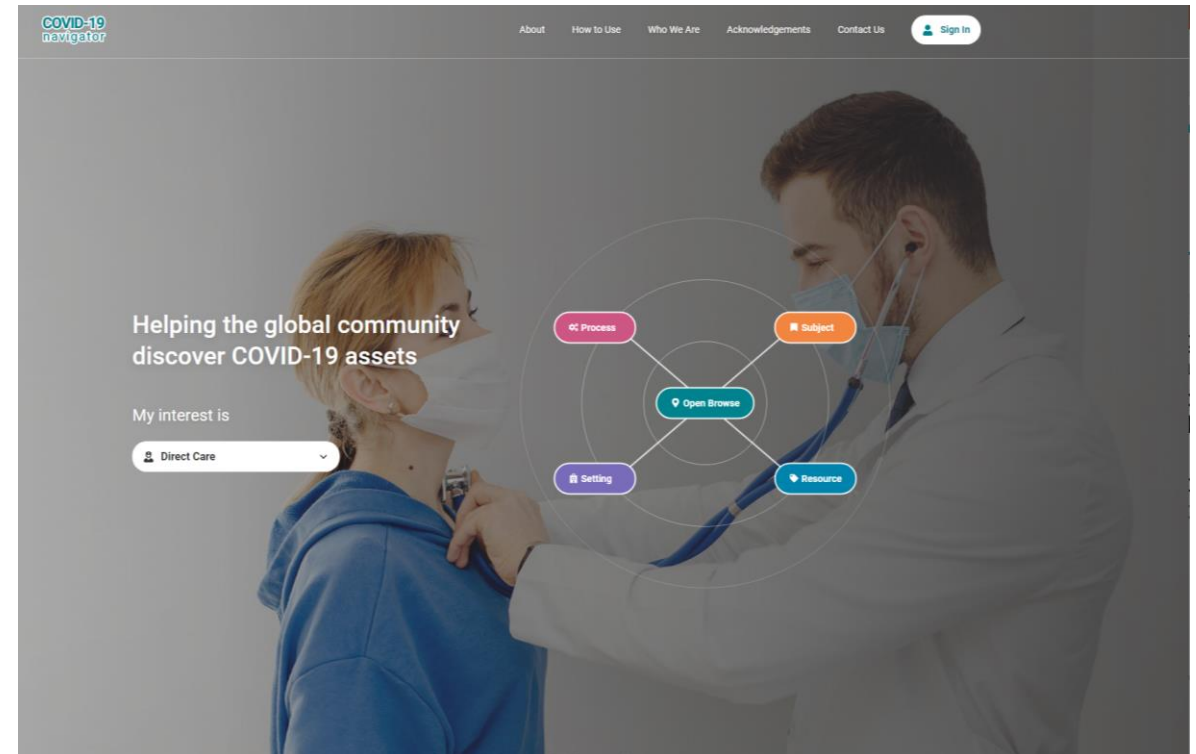
The COVID-19 Navigator

- **What problem are we solving?**

- Knowledge-sharing around COVID is unprecedented, but faces challenges
- Constant state of change
- Many, many sources, with no “focal point”
- “Search” doesn’t always yield the right results

- **What does this have to do with BPM+ Health?**

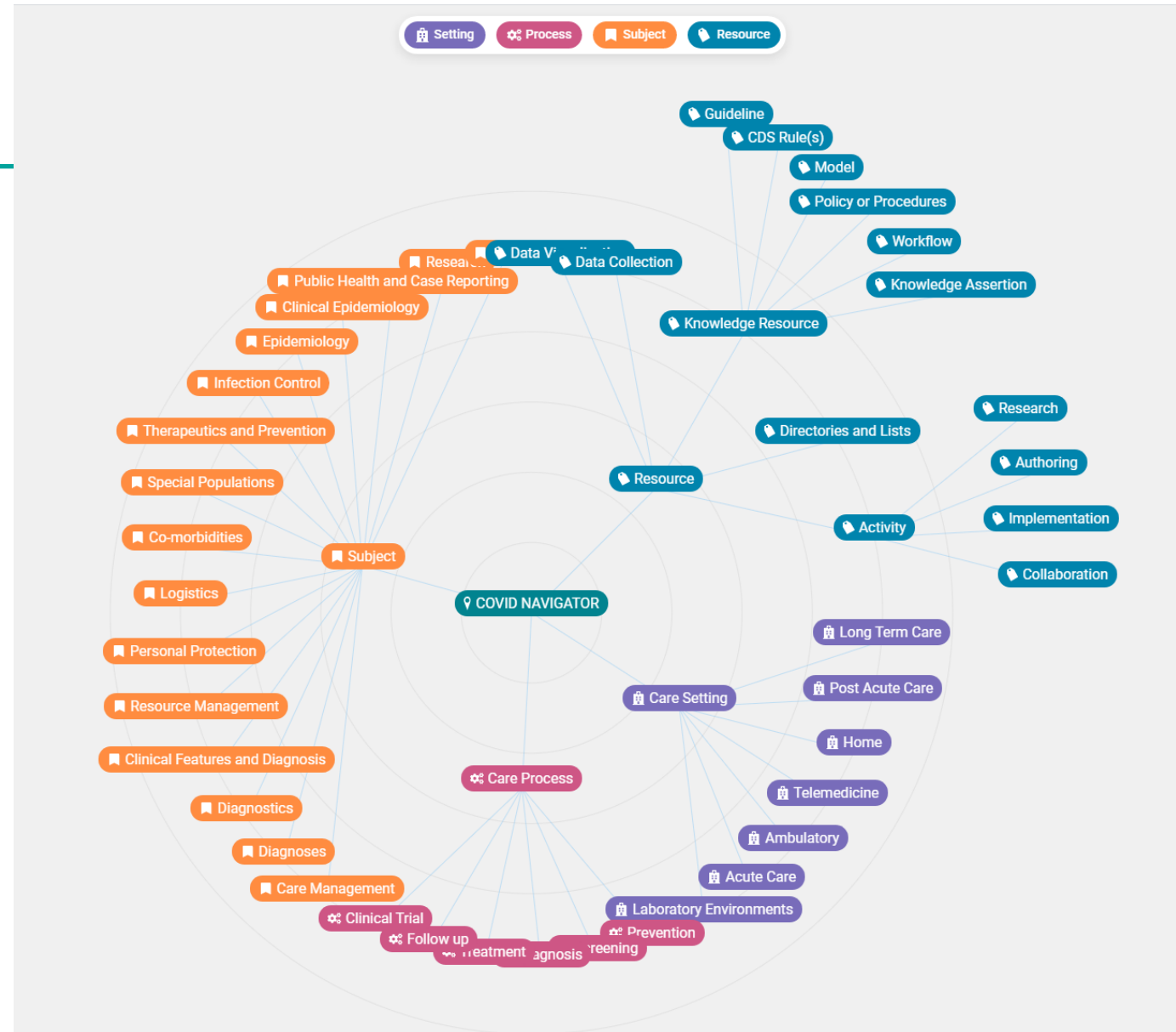
- This is about being good global citizens
- No ulterior motive, neither profit nor otherwise
- While staffed via the BPM+ community, the Navigator is not really about process



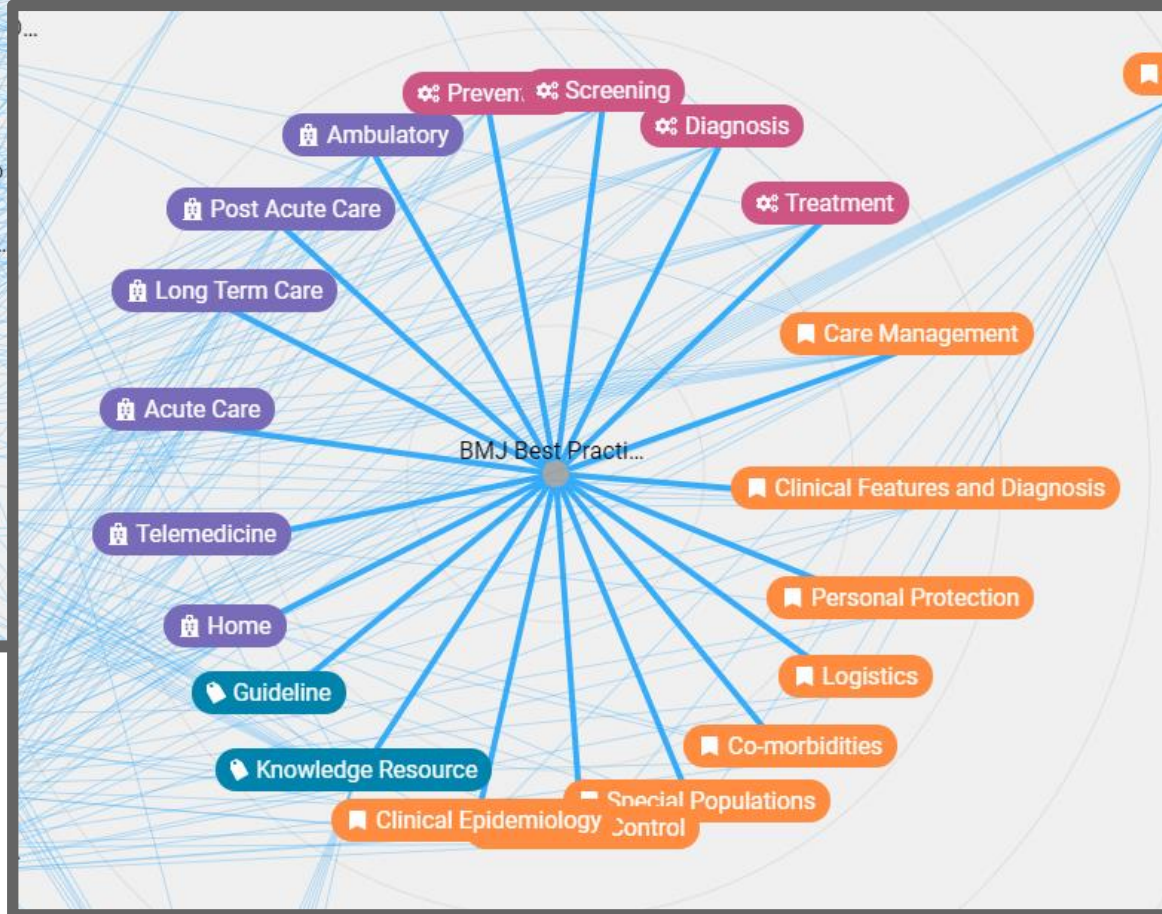
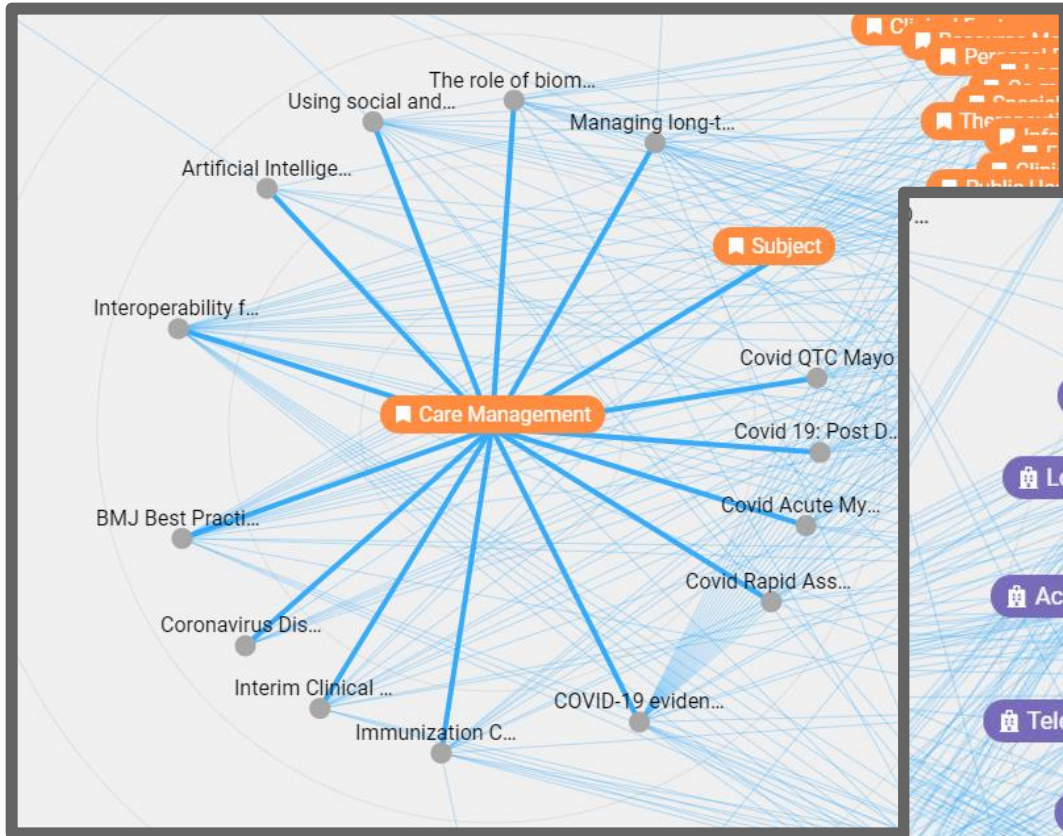
When successful, we will provide access to resources that people value and may not know they were looking for

What does it do?

- Allows users to graph to browse and discover relevant COVID assets and knowledge
- Links to authoritative sources of that information on the web
- Exposes content from existing repositories in a new metaphor, and provides click-through access
- Allows users to propose/contribute their own work, or references to work they find useful
- Allows filtering for content of relevance
- Interactive visual map to better explore



Key benefit is the exploration of interrelationships.



Care Management 14

Workflow, organizational processes, such as care plans, pathways, etc.

- ▶ Covid QTC Mayo [↗](#)
- ▶ Covid 19: Post Discharge Care [↗](#)
- ▶ Covid Acute Myocardial Infarction Management [↗](#)
- ▶ Covid Rapid Assessment and Initial Evaluation [↗](#)
- ▶ COVID-19 evidence [↗](#)
- ▶ Immunization Calculation Engine (ICE) [↗](#)
- ▶ Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease (COVID-19) [↗](#)
- ▶ Coronavirus Disease 2019 (COVID-19) Infection and Renin Angiotensin System Blockers [↗](#)
- ▶ BMJ Best Practices-COVID 19 (WHO primary ref) [↗](#)
- ▶ Interoperability for COVID-19 Pandemic [↗](#)
- ▶ Artificial Intelligence Distinguishes COVID-19 from Community Acquired Pneumonia on Chest CT [↗](#)
- ▶ Using social and behavioural science to support COVID-19 pandemic response [↗](#)
- ▶ The role of biomarkers in diagnosis of COVID-19 – A systematic review [↗](#)

Why produce a “Navigator”? Search vs. Browse

Search:

- Great if you know what you are looking for
- Better if you know how to search for it
- Challenging to see inter-relationships among assets
- Many sites are out there filling this need

Browse

- Well suited for “organic” discovery
- Supports “discovery” of new content through inter-asset links
- Helps to “know what you don’t know”
- Complement to searching

Interactive Filters to Narrow “Field of Vision”

Clear

Direct Care

Publication type

- Consensus Opinion
- Paper
- Systematic Review
- Editorial
- Letter to the Editor
- News
- Web
- Other

Activity Type (soon)

Source

Asset Maturity

- Level 5: Very Mature
- Level 4: More Mature
- Level 3: Mature
- Level 2: Less Mature
- Level 1: Immature
- Unspecified

Formalism(s)

Geography (soon)

English

Note:
Filtering applies to the asset list shown once a node on the graph is selected

Coming soon:
Filter by curator

COVID-19 Knowledge Map

Clear

Direct Care

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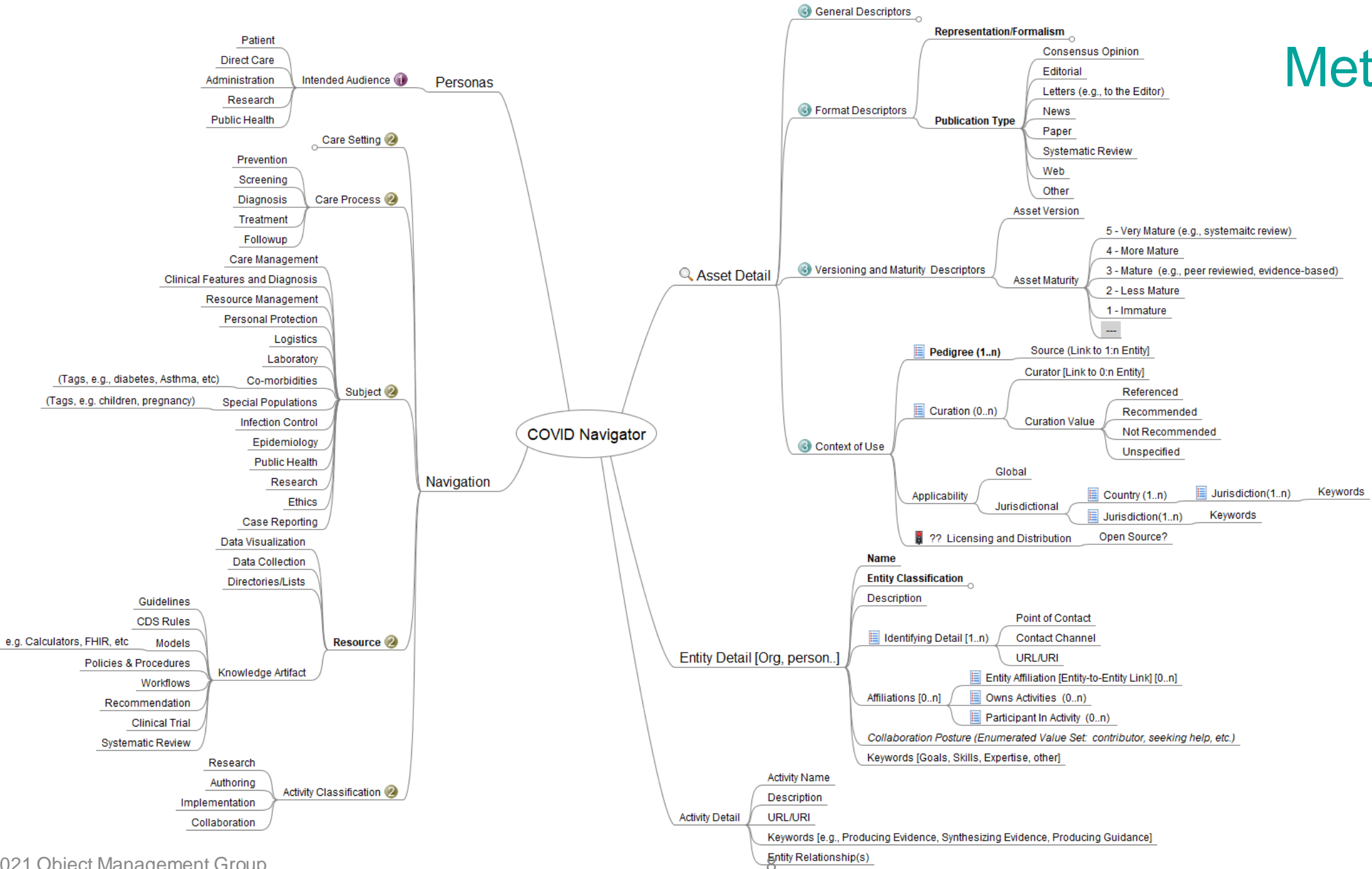
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- Coronavirus Disease 2019 (COVID-19) Infection and Renin Angiotensin System Blockers
- The role of biomarkers in

LIVE DEMO

Metamodel



Where we are....

- Alpha version released and testing underway ✓
 - Contact us if you want to participate!
 - You do NOT need a login to explore
- Plans commencing for bulk data load (✓)
 - Resource commitments to help with data load
 - Negotiating with content source sites now
 - We welcome conversations with contributors!
- Sustainment
 - Looking to build a community that will help contribute and classify content
 - Exploring models that would allow long-term sustainability of the work
 - Opportunities to expand value of the portal as a leveraged asset

Acknowledgements

- The entirety of this effort has been done on a volunteer basis and without direct funding! Our sincerest thanks to everyone that has contributed!
- Special thanks to
 - Softarex, Inc for providing the software development team that built the product
 - ForgeForward for providing project management support
 - BookZurman for providing SCRUM support

About OMG



Founded 1989



International standards
development organization



225+ specifications



325+ member
organizations worldwide



11 specifications ratified
as ISO standards

www.omg.org

How to Participate

- To engage in alpha
 - Contact david.cooke at [forgefwd.com](mailto:david.cooke@forgefwd.com)
- Join our calls
 - <https://www.bpm-plus.org/call-calendar/index.htm>
- Visit our collaborative space
 - bpm-plus.org/confluence (COVID Placemat)
- Get in touch!
 - Lorraine Constable ([lorraine at constable.ca](mailto:lorraine@constable.ca))
 - Ken Rubin ([ken.rubin at utah.edu](mailto:ken.rubin@utah.edu))