



## **i2b2 – SELF SERVICE DATA QUERY & ANALYTICAL TOOLS**

June 17, 2022

### **NEEDS STATEMENT**

i2b2 stands for Informatics for Integrating Biology & the Bedside (i2b2) Cohort Discovery System. Baylor College of Medicine has implemented i2b2 web-based application for BCM Faculty, Staff and Trainees. This allows users to explore for potential research study cohorts with the clinical data acquired from BCM's electronic health record systems (Epic). The purpose of this activity is to increase efficiency and effectiveness of utilizing i2b2 to improve the overall experience of initiating research topic of interest and analyzing data.

### **TARGET AUDIENCE**

This activity is for Baylor College of Medicine Clinical Investigators including (but not limited to): Faculty (PI, MD and PhD), Trainees (Fellows, Residents, Medical Students) and staff (Research Coordinators).

### **EDUCATIONAL OBJECTIVES**

At the conclusion of this activity, the participant should be able to:

- Utilize i2b2 systems and database to generate predictive, prescriptive data and research cohorts
- Improve core datasets with derived and additional data to gain insight
- Identify strategies from i2b2 workshops and i2b2 Self-Service Data Analytics Tool to refine searches, examine trends, drill down to line-level details quickly to find related records

### **EDUCATIONAL METHODS**

Lecture, Demonstration, and Question & Answers

### **EVALUATION**

Evaluation by questionnaire will address program content, presentation, and possible bias.

### **ACCREDITATION/CREDIT DESIGNATION**

#### ***Physician***

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Baylor College of Medicine designates this live activity for a maximum of 1.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **OBTAINING CREDIT**

Two (2) business days after the course, an email will follow from the Baylor College of Medicine, Division of Continuing Professional Development with instructions for completing the evaluation and obtaining your CME Certificate, CE Certificate, or Certificate of Attendance.

#### **Contact Information**

Baylor College of Medicine

Division of Continuing Professional Development

One Baylor Plaza, MS: BCM 155

Houston, TX 77030-3411

Email: [cpd@bcm.edu](mailto:cpd@bcm.edu)

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**Visit our website at [cpd.education.bcm.edu](http://cpd.education.bcm.edu) for information about additional CME activities.**



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**DRUG/DEVICE STATUS DISCLOSURE**

Some drugs/devices identified during this activity may have United States Food and Drug Administration (FDA) clearance for specific purposes only or for use in restricted research settings. The FDA has stated that it is the responsibility of the individual physician to determine the FDA status of each drug or device that he/she wishes to use in clinical practice and to use the products in compliance with applicable law.

Baylor College of Medicine requires that all faculty/presenters disclose an unlabeled use or investigational use of pharmaceutical and medical device products and provide adequate scientific and clinical justification for such use. Physicians are urged to fully review all the available data on products or procedures before using them to treat patients.

**DISCLOSURE OF FINANCIAL RELATIONSHIPS WITH COMMERCIAL INTERESTS**

**DISCLOSURE POLICY**

Baylor College of Medicine (BCM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians. BCM is committed to sponsoring CME activities that are scientifically based, accurate, current, and objectively presented.

In accordance with the ACCME Standards for Commercial Support, BCM has implemented a mechanism requiring everyone in a position to control the content of an educational activity (i.e., directors, planning committee members, faculty) to disclose any relevant financial relationships with commercial interests (drug/device companies) and manage/resolve any conflicts of interest prior to the activity. Individuals must disclose to participants the existence or non-existence of financial relationships at the time of the activity or within 24 months prior.

In addition, BCM has requested activity faculty/presenters to disclose to participants any unlabeled use or investigational use of pharmaceutical/device products; to use scientific or generic names (not trade names) in referring to products; and, if necessary to use a trade name, to use the names of similar products or those within a class. Faculty/presenters have also been requested to adhere to the ACCME's validation of clinical content statements.

BCM does not view the existence of financial relationships with commercial interests as implying bias or decreasing the value of a presentation. It is up to participants to determine whether the relationships influence the activity faculty with regard to exposition or conclusions. If at any time during this activity you feel that there has been commercial/promotional bias, notify the Activity Director or Activity Coordinator. Please answer the questions about balance and objectivity in the activity evaluation candidly.

All of the relevant financial relationships listed for these individuals have been mitigated.



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### DISCLOSURES

Name	Role(s)		Relationship(s)
	Planning Member	Faculty/Presenter	
<b>Christopher Amos, Ph.D. – Activity Director</b> Professor Department of Medicine – Section of Epidemiology & Population Sciences	•		Nothing to disclose
<b>Jeslyn Atanu, M.S.</b> Training Specialist Office of Clinical Research	•		Nothing to disclose
<b>Christie Ballantyne, M.D.</b> Professor Department of Medicine – Lipid Metabolism and Atherosclerosis Clinic	•	•	<b>Research Support:</b> Akcea/Ionis, Amgen, Arrowhead, Novartis <b>Consultant:</b> Akcea, Althera, Amarin, Amgen, Arrowhead, Astra Zeneca, Illumina, Denka Seiken, Esperion, Gilead, Janssen, Matinas BioPharma, New Amsterdam, Novartis
<b>Gloria Liao, M.S.</b> Data Warehouse Analyst Dan L. Duncan Institute for Clinical and Translation Research	•	•	Nothing to disclose
<b>Kim Thi Nguyen, B.A.</b> Lead, Training Office of Information Technology – Training & Documentation	•		Nothing to disclose
<b>Vamshi Punugoti, M.S. – Activity Director</b> Executive Director Office of Information Technology – Research Data	•		Nothing to disclose
<b>Pamela Richards, M.A.</b> Director, Training Office of Information Technology – Training & Documentation	•		Nothing to disclose
<b>Jose Rodriguez</b> Director, Research Administration Office of Clinical Research	•		Nothing to disclose
<b>Shauna Thor-Stout</b> Training Associate Office of Information Technology – Training & Documentation	•	•	Nothing to disclose
<b>Vito Gentile</b> IT Project Management Associate Office of Information Technology – Research Data	•	•	Nothing to disclose
<b>Melissa Yu, M.D.</b> Associate Professor Department of Neurology	•	•	<b>Board Membership:</b> Epic Systems

*\*\*All staff are affiliated with Baylor College of Medicine*

### DISCLAIMER

This activity is designed for healthcare professionals for educational purposes. Information and opinions offered by the faculty/presenters represent their own viewpoints. Conclusions drawn by the participants should be derived from careful consideration of all available scientific information.



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While Baylor College of Medicine makes every effort to have accurate information presented, no warranty, expressed or implied, is offered. The participant should use his/her clinical judgment, knowledge, experience, and diagnostic decision-making before applying any information, whether provided here or by others, for any professional use.

Faculty/presenters have submitted materials for this syllabus for printing in advance so that you may have an outline or summary of the main points of their presentation. Often this differs from the final version of their slides as faculty/ presenters make revisions up until the day of the meeting.

Additionally, some images (cartoons, drawings and some photographs) shown on the screen may not be present in your educational materials because of publishers' requirements for reprinting of copyrighted images.

### **NOTICES**

Faculty, topics, program schedule, and credit are subject to change.

Audio or videotaping is prohibited without written permission from the Activity Directors and the Division of Continuing Professional Development, Baylor College of Medicine, Houston, Texas.