



# Pediatric T2D Work Group

Mónica Bianco, MD and Tamara Hannon, MD | Co-chairs

April 10, 2026

# Manuscript Development: February meeting recap

## Abstracts published in 2025:

- Cholesterol (First: Dr. Singh and Last: Dr. Bianco)
- GLP-1 (First: Dr. Mann and Last: Dr. Bianco)
- Registry formation (First: **need first author** and Last: Dr. Hannon)
- Microalbumin (First: **need a first author** and Last: Dr. Hannon)

## All have potential for manuscript development:

- We need volunteers for first authorship on two papers
- Recommend people from this group volunteer for one paper as a middle author
  - Middle authors will be assigned sections by the first author
- A survey link will be sent out for signing up

## Authorship Assignments:

# Increasing Lipid Profile Screening in Youth with Type 2 Diabetes

Author	Author's Center	Authorship Preference
Monica Bianco	Lurie Children's Hospital, Northwestern University	Senior Author
Puja Singh	Rady Children's	First Author
Leena Mamilly	Nationwide Children's Hospital	Co-author
Sean DeLacey	Lurie Children's	Co-author
Talia Hitt	Johns Hopkins University	Co-author
Ryan Brady	Cincinnati Children's Hospital Medical Center	Co-author
Tossaporn Seeherunvong	University of Miami School of Medicine	Co-author
Mili Vakharia	Texas Children's Hospital; Baylor College of Medicine	Co-author
Grace Kim	Texas Children's Hospital	Co-author
Shideh Majidi	Children's National	Co-author
Lily Chao	Children's Hospital Los Angeles	Co-author
Risa Wolf	Johns Hopkins Pediatrics	Co-author
Nicole Rioles	T1D Exchange	Co-author
Ori Odugbesan	T1D Exchange	Co-author
Timothy Bol	T1D Exchange	Co-author

# Benchmarking Non-Insulin Medication Use and HbA1c Outcomes Across Pediatric Type 2 Diabetes Centers in the United States

Author	Author's Center	Authorship Preference
Tossaporn Seeherunvong	University of Miami School of Medicine	Co-first Author
Liz Mann	UW Health Kids	Co-first Author
Monica Bianco	Lurie Children's Hospital, Northwestern University	Co-author
Risa Wolf	Johns Hopkins Pediatrics	Senior Author
Rachel Fenske	UW Health Kids	Co-author
Leena Mamilly	Nationwide Children's Hospital	Co-author
Sean DeLacey	Lurie Children's	Co-author
Talia Hitt	Johns Hopkins University	Co-author
Ryan Brady	Cincinnati Children's Hospital Medical Center	Co-author
Mili Vakharia	Texas Children's Hospital; Baylor College of Medicine	Co-author
Grace Kim	Texas Children's Hospital	Co-author
Heba El Ayash	ACH	Co-author
Shideh Majidi	Children's National	Co-author
Lily Chao	Children's Hospital Los Angeles	Co-author
Nicole Rioles	T1D Exchange	Co-author
Ori Odugbesan	T1D Exchange	Co-author
Timothy Bol	T1D Exchange	Co-author

# Establishing a Pediatric Type 2 Diabetes Registry with the T1D Exchange QI Collaborative

Author	Author's Center	Authorship Preference
Tamara Hannon	Riley Children's IU	Senior Author
Shideh Majidi	Children's National	First Author
Siham Accacha	Cohen Children's/Northwell	Co-author
Rachel Fenske	UW Health Kids	Co-author
Tossaporn Seeherunvong	University of Miami School of Medicine	Co-author
Grace Kim	Texas Children's Hospital	Co-author
Heba El Ayash	ACH	Co-author
Shylaja Srinivasan	University of California, San Francisco	Co-author
Monica Bianco	Lurie Children's Hospital, Northwestern University	Co-author
Lily Chao	Children's Hospital Los Angeles	Co-author
Ori Odugbesan	T1D Exchange	Co-author
Risa Wolf	Johns Hopkins Pediatrics	Co-author
Nicole Rioles	T1D Exchange	Co-author
Timothy Bol	T1D Exchange	Co-author

# Baseline Microalbuminuria Screening Rate: Result from T1D Exchange Pediatric Registry

Author	Author's Center	Authorship Preference
Leena Mamilly	Nationwide Children's Hospital	Co-first Author
Mili Vakharia	Texas Children's Hospital; Baylor College of Medicine	Co-first Author
Lily Chao	Children's Hospital Los Angeles	Senior Author
Risa Wolf	Johns Hopkins Pediatrics	Co-author
Talia Hitt	Johns Hopkins University	Co-author
Ryan Brady	Cincinnati Children's Hospital Medical Center	Co-author
Tossaporn Seeherunvong	University of Miami School of Medicine	Co-author
Monica Bianco	Lurie Children's Hospital, Northwestern University	Co-author
Nicole Rioles	T1D Exchange	Co-author
Ori Odugbesan	T1D Exchange	Co-author
Timothy Bol	T1D Exchange	Co-author

# Low Continuous Glucose Monitoring Use in Youth with Type 2 Diabetes: Baseline Data from the T1D Exchange Pediatric T2D Registry

Author	Author's Center	Authorship Preference
Shideh Majidi	Children's National	Senior Author
Lily Chao	Children's Hospital Los Angeles	First Author
Mili Vakharia	Texas Children's Hospital; Baylor College of Medicine	Co-author
Rachel Fenske	UW Health Kids	Co-author
Sean DeLacey	Lurie Children's	Co-author
Talia Hitt	Johns Hopkins University	Co-author
Tossaporn Seeherunvong	University of Miami School of Medicine	Co-author
Heba El Ayash	ACH	Co-author
Shylaja Srinivasan	University of California, San Francisco	Co-author
Monica Bianco	Lurie Children's Hospital, Northwestern University	Co-author
Sejal Shah	Stanford	Co-author
Nicole Rioles	T1D Exchange	Co-author
Ori Odugbesan	T1D Exchange	Co-author
Timothy Bol	T1D Exchange	Co-author

# Dissemination of Data to Authors: Discussion

- Review on how the data for the papers will be given to the authors?
  - First and senior authors get the data then meet to see if they would like to request additional information and to develop an outline for their paper?

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  - First author collects all the sections and puts them together and makes edits, then sends to first author who reviews makes edits then sends to the whole group for final review?
  - Anything else?

# Center Sharing Johns Hopkins University



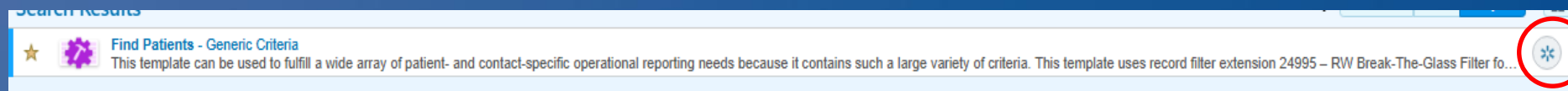
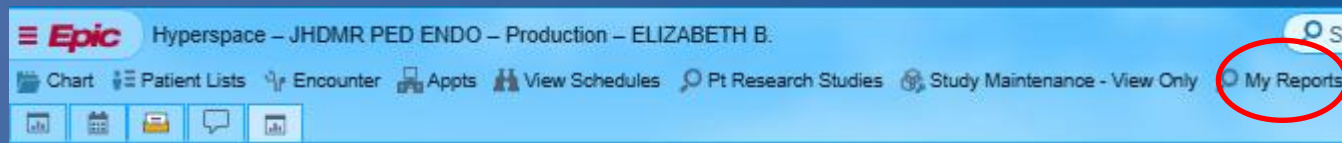
JOHNS HOPKINS  
CHILDREN'S CENTER

# Extracting Type 2 DM Parameters from Epic

Presented by: Elizabeth Brown

April 10, 2026

# Navigate to “My reports” and select a template that allow you to search for patients



Epic at your institution or with your role may look different

# Select your T2D patient population

## Example from our site, "criteria" tab:

🕒 **Date Range** From: MB-1 (2/1/2026) To: ME-1 (2/28/2026) ✎

### Patient base

Patients Seen in My Departments

#### Run as user

Add a provider from each department here (redacted for privacy)

	User
1	[REDACTED]
2	[REDACTED]

Criterion Logic  OR

#### Only scheduled encounters? 🕒

Yes

#### Age in years **1**

Less than or equal to 24

### Diagnosis by grouper **2**

(1 OR 2) AND NOT 3

- 1** TYPE 2 DIABETES DX ICD CODES
- 2** EDG CONCEPT UNOS DIABETES TYPE 2
- 3** EDG BEST CARE TYPE 1 DIABETES DIAGNOSIS ICD-10-CM CODES

#### Encounter department **3**

(1 OR 2 OR 3 OR 4) AND NOT 5

- 1** JHDMR PED ENDO
- 2** BGR SOM PEDI ENDO
- 3** MTWAS SOM PEDI ENDO
- 4** SOC SOM PEDI ENDO
- 5** JHH PEDI CRU

#### Problems by grouper **4**

(1 OR 2) AND NOT 3

- 1** Problem Grouper: TYPE 2 DIABETES DX ICD CODES and Status: Active
- 2** Problem Grouper: EDG CONCEPT DIABETES MELLITUS TYPE 2 and Status: Active
- 3** Problem Grouper: EDG CONCEPT DIABETES MELLITUS TYPE 1 and Status: Active

#### Visit: Type **5**

Office Visit  OR

Video Visit

**Report Logic**  Custom  1 AND 3 AND 5 AND (2 OR 4)

# Select your output

Example from our site, “display” tab:

Patient MRN [1003]
Patient Name [1004]
Patient DOB [54500]
PATIENT AGE [54503]
Patient Sex [54501]
Last Appt Peds Endo [210105029]
Next Appt Peds Endo [210104162]
Last Hemoglobin A1c Value [82020]
Last Hemoglobin A1C Date [82021]

Last Hemoglobin A1c Value [82020]
Last Hemoglobin A1C Date [82021]
Continuous Glucose Monitor Device [21018549]
Insulin Delivery Method [21018547]
Current Medications [15613]
Last BMI Percentile [4171]
Last Blood Pressure (BP) [54090]
JHM AMB Last LDL [104065]
AMB HM Topic Status Urine Microalbumin [110012]
AMB HM Topic Due Date Urine Microalbumin [210401304]

Some of these available columns have been custom created at our site (such as CGM device)

# Select data to match smartsheet rows

- D) Denominators: "The total number of people seen in the reporting month with a diagnosis of T2D (ages 0-24) at your center with at least one in-person or telehealth visit and at least one A1c measured in the last 12 months"
  - Check your report to make sure it makes sense:
    - expected number of people, age range, likely to have T2D based on A1c, BMI
    - everyone has had an A1c in the last 12 months
    - add the total number in your report

# Row: (1) Number of people from D with HbA1c level less than 7.0% in the reporting month (most recent A1C)

## Use Filters

Name	ID
Age	54503
BP	54090
CGM Device	21018549
Current Medications	15613
DOB	54500
ETHNIC BACKGROUND	115808
Insulin Delivery	21018547
Last BMI %ile	4171
Last HBA1C (POC included)	21000020
Last HBA1C Date	82021
Last HbA1c Value	82020
Last LDL	104065

## Filter by A1c to 6.9

From:

To:

Value?

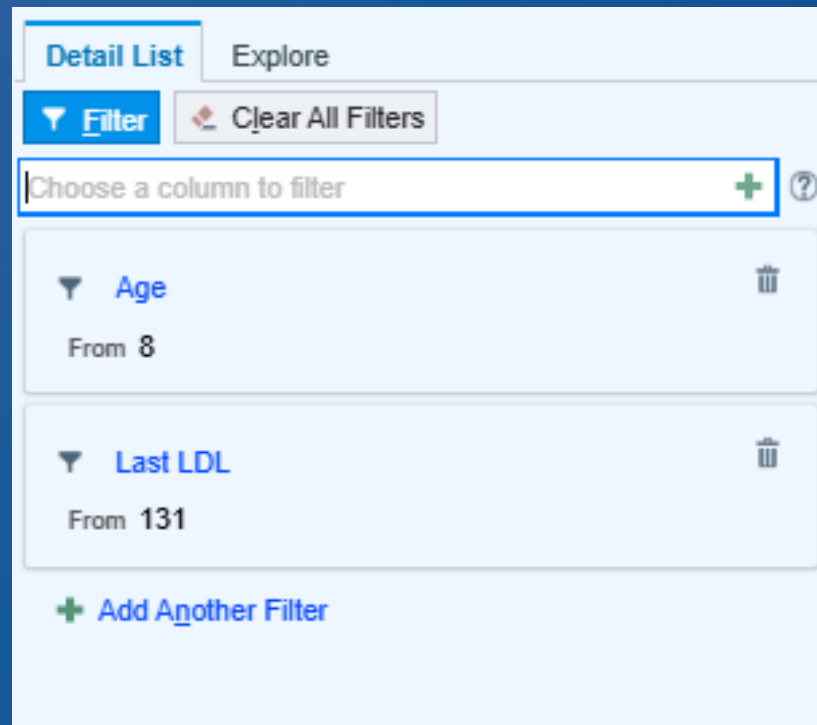
## Result in bottom right

17 of 26 results match filters

**Row: (2a)** The total number of people from (A)  $\geq 8$  years with an LDL  $> 130$  mg/dL and/or an active prescription of a statin within the last 12 months

1. Sort by age and double check anyone under 8 for accurate T2D diagnosis (for any that are incorrectly included you will need to update your denominator)
2. Filter data by age and LDL and save that number, then delete LDL from the filter

**Continued...**



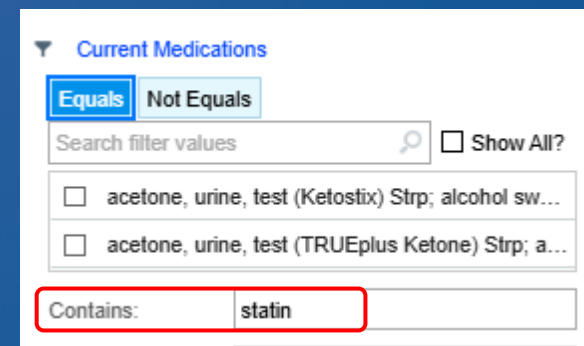
The screenshot shows a data filtering interface with the following elements:

- Buttons: "Detail List" (selected), "Explore", "Filter", and "Clear All Filters".
- Input field: "Choose a column to filter" with a "+" and "?" icon.
- Filter 1: "Age" with a dropdown arrow and a trash icon, set to "From 8".
- Filter 2: "Last LDL" with a dropdown arrow and a trash icon, set to "From 131".
- Bottom button: "+ Add Another Filter".

**Row: (2a)** The total number of people from (A)  $\geq 8$  years with an LDL  $> 130$  mg/dL and/or an active prescription of a statin within the last 12 months (continued)

3. Filter by medicines containing "statin"
  - Save the total number on statins (for 2b)
  - Count those where LDL is  $\leq 130$  and add to the total recorded in step 2 (for 2a)

**Continued...**



Current Medications

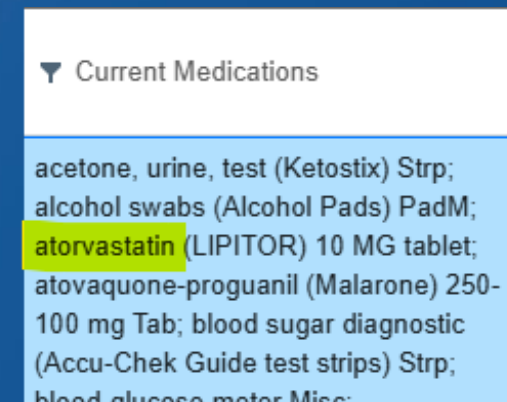
Equals Not Equals

Search filter values  Show All?

acetone, urine, test (Ketostix) Strp; alcohol sw...

acetone, urine, test (TRUEplus Ketone) Strp; a...

Contains: **statin**

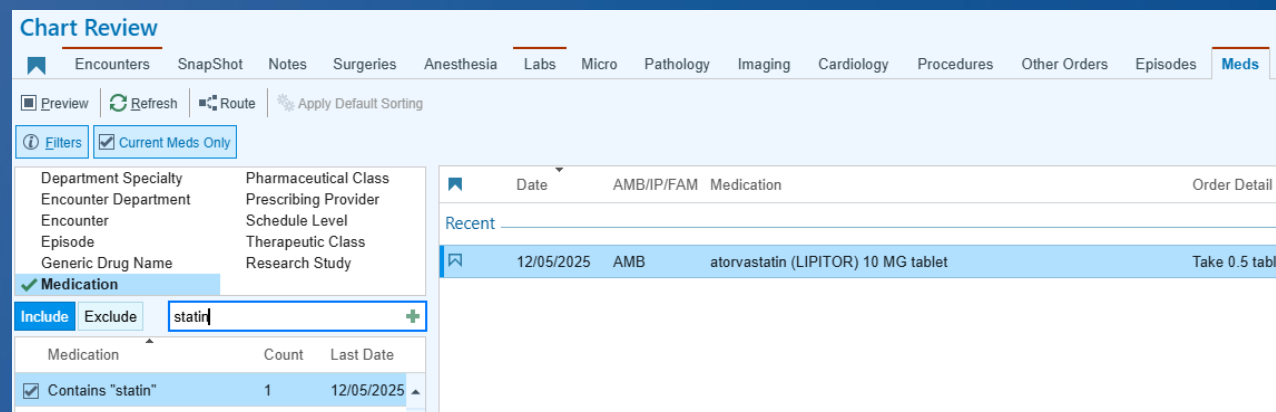
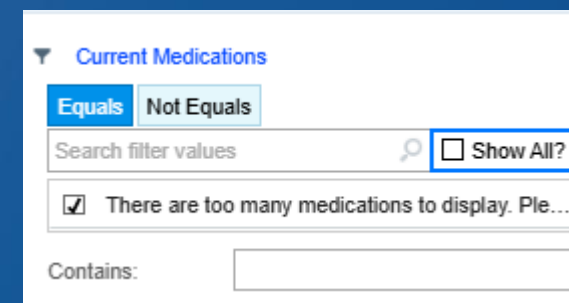


Current Medications

acetone, urine, test (Ketostix) Strp;  
 alcohol swabs (Alcohol Pads) PadM;  
**atorvastatin (LIPITOR) 10 MG tablet;**  
 atovaquone-proguanil (Malarone) 250-  
 100 mg Tab; blood sugar diagnostic  
 (Accu-Chek Guide test strips) Strp;  
 blood glucose meter Misc:

**Row: (2a)** The total number of people from (A)  $\geq 8$  years with an LDL  $\geq 130$  mg/dL and/or an active prescription of a statin within the last 12 months (continued)

4. Manually check chart for current statin use for those with “too many medications to display”
  - Add all of those on statins to saved statin number in step 3 (for 2 b)
  - Add to total in step 2 only if on a statin and LDL is  $\leq 130$ . (for 2a)

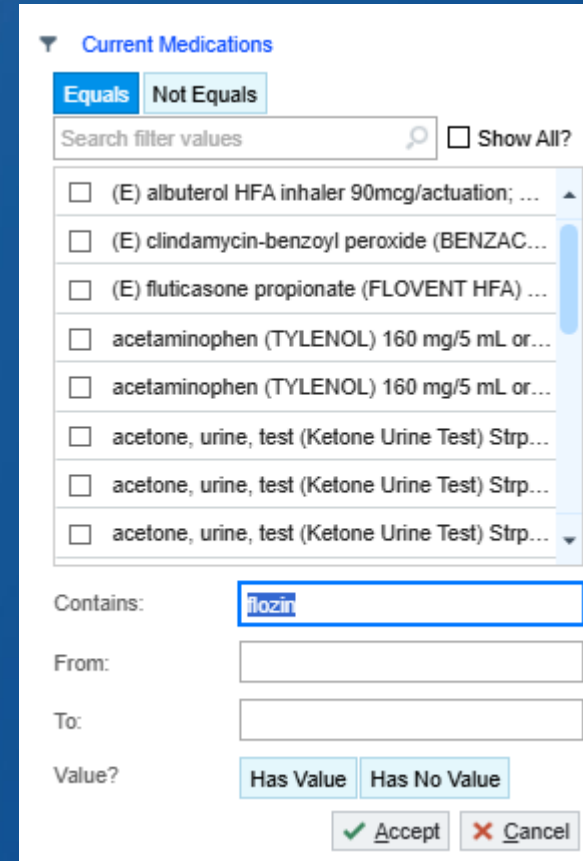


**Row: (2b) Number of people from 2a, with an active prescription of a statin for the treatment of hyperlipidemia within the last 12 months**

- Use the saved number of those on statins from your calculations in steps 3 and 4 for row 2a

# Row: 3) Number of people from D, with an active prescription of an SGLT2 inhibitor in the reporting month

- Filter using the current meds variable contains “flozin”
- As in row 2, manually check each chart for contains “flozin” for those with “too many medications to display”
  - I typically go into each chart only once and check for all meds (Statin (contains statin), SGLT2i (contains flozin) and GLP-1 (contains tide))



Current Medications

Equals Not Equals

Search filter values   Show All?

- (E) albuterol HFA inhaler 90mcg/actuation; ...
- (E) clindamycin-benzoyl peroxide (BENZAC...
- (E) fluticasone propionate (FLOVENT HFA) ...
- acetaminophen (TYLENOL) 160 mg/5 mL or...
- acetaminophen (TYLENOL) 160 mg/5 mL or...
- acetone, urine, test (Ketone Urine Test) Strp...
- acetone, urine, test (Ketone Urine Test) Strp...
- acetone, urine, test (Ketone Urine Test) Strp...

Contains:

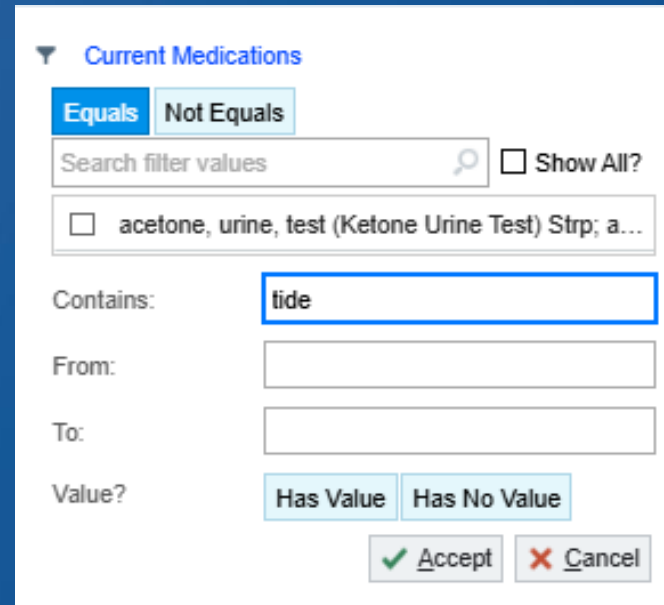
From:

To:

Value?  Has Value  Has No Value

# Row: 4) Number of people from D, with an active prescription of GLP-1 receptor inhibitor in the reporting month

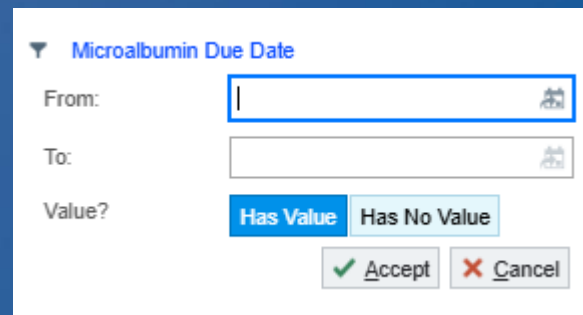
- Filter using the current meds variable contains “tide”
- As in row 2, manually check those with “too many medications to display”
  - I typically check all meds at one time



The screenshot shows a filter configuration window titled "Current Medications". It features two tabs: "Equals" (selected) and "Not Equals". Below the tabs is a search bar labeled "Search filter values" with a magnifying glass icon and a "Show All?" checkbox. A list of filter options is shown, with the first item "acetone, urine, test (Ketone Urine Test) Strp; a..." selected. The "Contains:" field is populated with the text "tide". The "From:" and "To:" fields are empty. The "Value?" section has two buttons: "Has Value" (selected) and "Has No Value". At the bottom right, there are "Accept" and "Cancel" buttons.

# Row: 5) Number of people from D who have been screened for microalbuminuria within the last 12 months

- Filter using the health maintenance “our practice advisory” microalbumin screening, which is blank if they have had screening in the past 12 months (your institution may be different and will need to be verified)

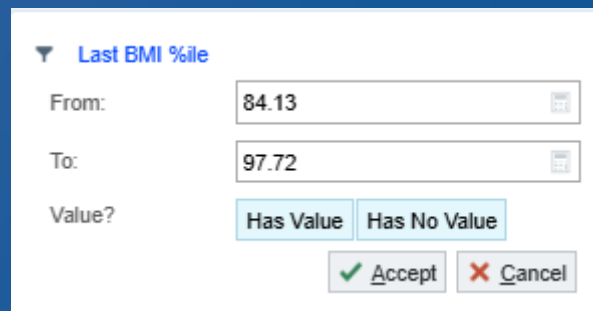


The screenshot shows a filter dialog box titled "Microalbumin Due Date". It contains three input fields: "From:" with a date picker icon, "To:" with a date picker icon, and "Value?" with two radio buttons labeled "Has Value" and "Has No Value". At the bottom, there are two buttons: "Accept" with a green checkmark and "Cancel" with a red X.

- Alternatively, if your institution has a column available for last microalbumin screening date, that could be used

# Rows: 6 a-c) Number of people from D, (0-20 yrs) with BMI Z Score of ...

- Filter by last BMI %ile column
  - For Z-score of 1 to 1.99 use percentiles 84.13 to 97.72
  - For Z-score 2 to 2.99 use percentiles 97.73 to 99.87
  - For Z score  $\geq 3$ , use percentile  $\geq 99.88$
- Verify that the total of these 3 rows is equal to the number of patients <20 with a BMI percentile >84.13



▼ Last BMI %ile

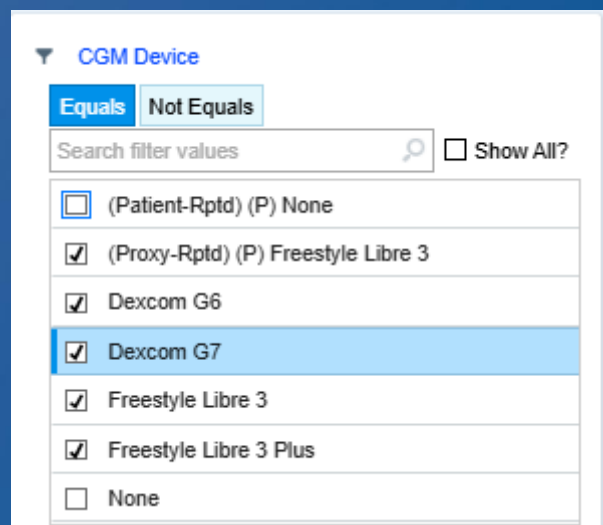
From:

To:

Value?

**Row: (7)** Number of people from the denominator who reported using a sensor/CGM in the reporting month

- Sort or filter by the CGM device column
  - Our clinicians fill out intake information very consistently...your mileage may vary



CGM Device

Equals Not Equals

Search filter values  Show All?

<input type="checkbox"/>	(Patient-Rptd) (P) None
<input checked="" type="checkbox"/>	(Proxy-Rptd) (P) Freestyle Libre 3
<input checked="" type="checkbox"/>	Dexcom G6
<input checked="" type="checkbox"/>	Dexcom G7
<input checked="" type="checkbox"/>	Freestyle Libre 3
<input checked="" type="checkbox"/>	Freestyle Libre 3 Plus
<input type="checkbox"/>	None

**Row: (8) Number of people from D, with blood pressure  
= $\geq$ 130/80**

- Sort or filter by the last BP column



BP

From:

To:

Value?

# Discussion & Questions

# Center Sharing Indiana University

# Upcoming Meetings and Presentations

## Next Meeting:

- Mary Lauren Scott, MD - T2D rates around COVID

## Future Presenters:

- Leena Mamilly
- Mili Vakharia
- Grace Kim (Texas)
- Lily Chao
- Stacie Hartigree
- Megan Kelsey

**Thank you!!!**