

Quick Start Guide

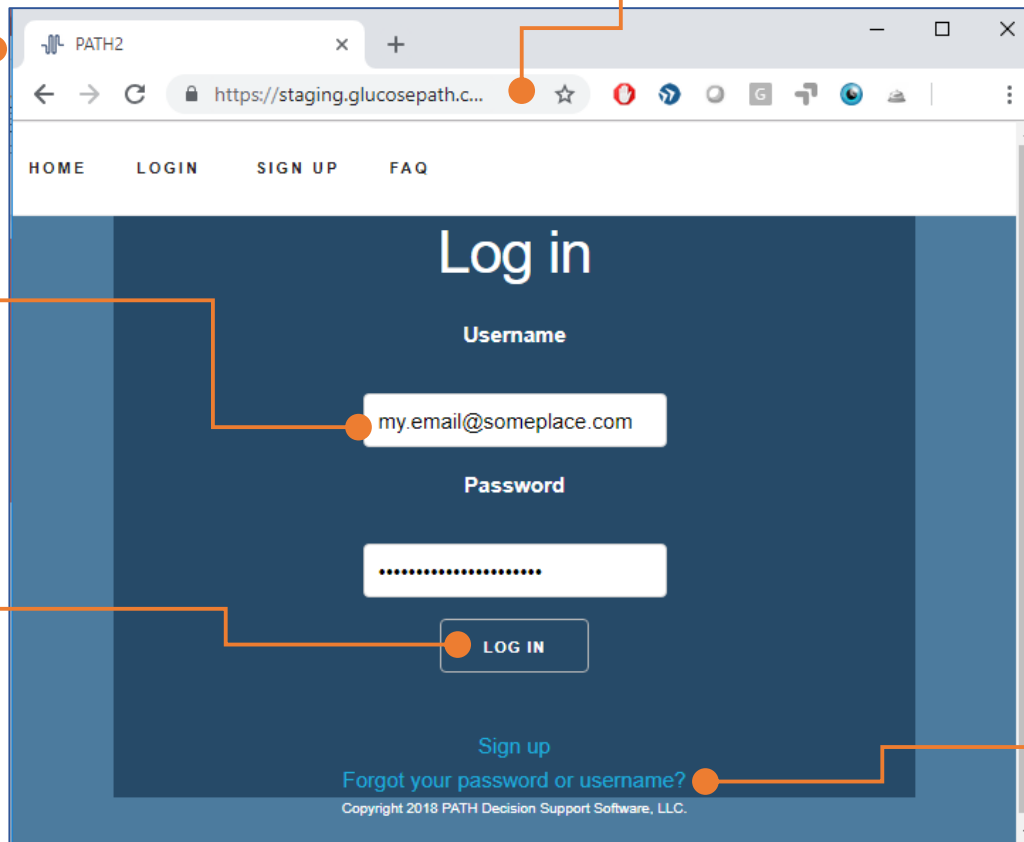
Here's how to log in to GlucosePATH.

1 Open a web browser
Chrome, Firefox, Safari, and Opera work well. Internet Explorer is not yet supported.

2 Type in the GlucosePATH website address
https://glucosepath.com/users/sign_in (or just click that link)

3 Type in your username and password
Check your email for these.

4 Click the Log In button



Forgot something?
Retrieve your username or reset your password via email.

Start Medicine Review

GlucosePATH makes it easy to see the data it uses for each medicine when making treatment decisions.

1 Click *Drug Approvals*

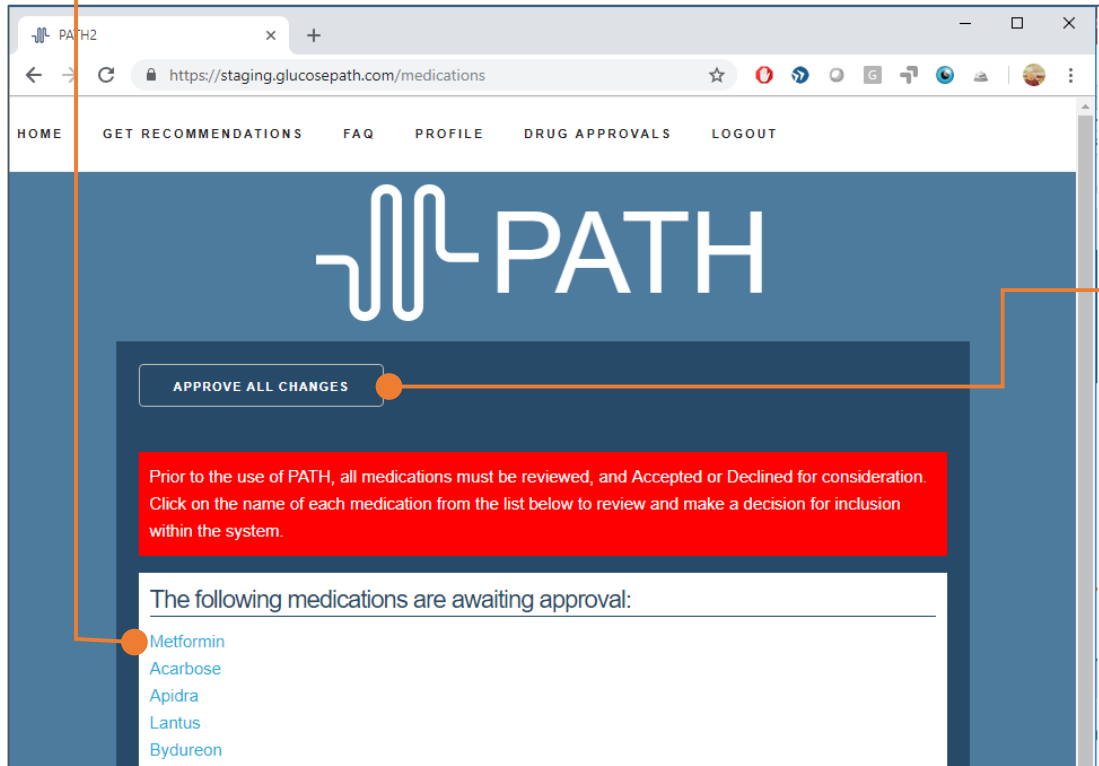
When you click this link, GlucosePATH will display a list of all the medicines it knows about. You'll be able to review each of them in turn.



List of GlucosePATH Medicines

You can always review the data GlucosePATH uses for each medicine it knows about.

1 Click any medicine to see its data
GlucosePATH will also automatically display this screen when a change is made to a medication's data, so you're aware of the change and can review it.



This button automatically approves all medicines for use
You can always return to this page to review, accept, or decline any medicine for use in GlucosePATH. The button saves time; you should still review the data.

Medicine Review

See the data GlucosePATH uses for each Type 2 Diabetes medicine.

1 Review the data
this screen shows the data GlucosePATH uses when it considers a medicine for a treatment regimen.

Metformin (Metformin)

Back to Medicine List >>

Also known as: Fortamet, Glucophage XR, Glumetza

Include Metformin in GlucosePATH's list of medications to consider?
I understand and accept the GlucosePATH information below regarding how Metformin is used within GlucosePATH.

ACCEPT & INCLUDE
DECLINE & REMOVE

Selecting "Decline & Remove" will remove the medication from consideration in GlucosePATH

Details
History/Updates

Dose:	Up to 2,550 m.g. per day
Frequency:	Twice per day
Macro Class:	Sensitizer
Administration:	oral
A1c reduction value displayed on FDA label:	0.4 - 1.4
A1c reduction value used in GlucosePATH:	1.2
GlucosePATH notes regarding a1c reduction value:	
Table 3 of the FDA label shows an a1c reduction of 0.4 for Metformin as compared to glyburide and glyburide/Metformin combinations in a 29-week study (Metformin n=210). Because this 0.4 reduction is lower than the 1.4 reduction displayed on Metformin's FDA label, GlucosePATH uses a smaller value of 1.2 for Metformin's a1c reduction.	
Side effects/Adverse reactions:	
<i>Listed on FDA Label (% of patients reporting)</i>	<i>Effect/Reaction is considered by GlucosePATH?</i>
Diarrhea (53.2)	Yes

2 Accept or decline a medicine
GlucosePATH will not use a medicine you decline in any patient recommendations.

If you accept the medicine, you'll be able to exclude it on a patient-by-patient basis later.

You can always return to this screen to review any medicine.

Explaining a decision
It is sometimes necessary to choose a default value for certain data. For example, the FDA label for metformin shows an HbA1c reduction of between 0.4 and 1.4. When GlucosePATH chooses a default value (1.2 here), the reasoning for that decision is given.

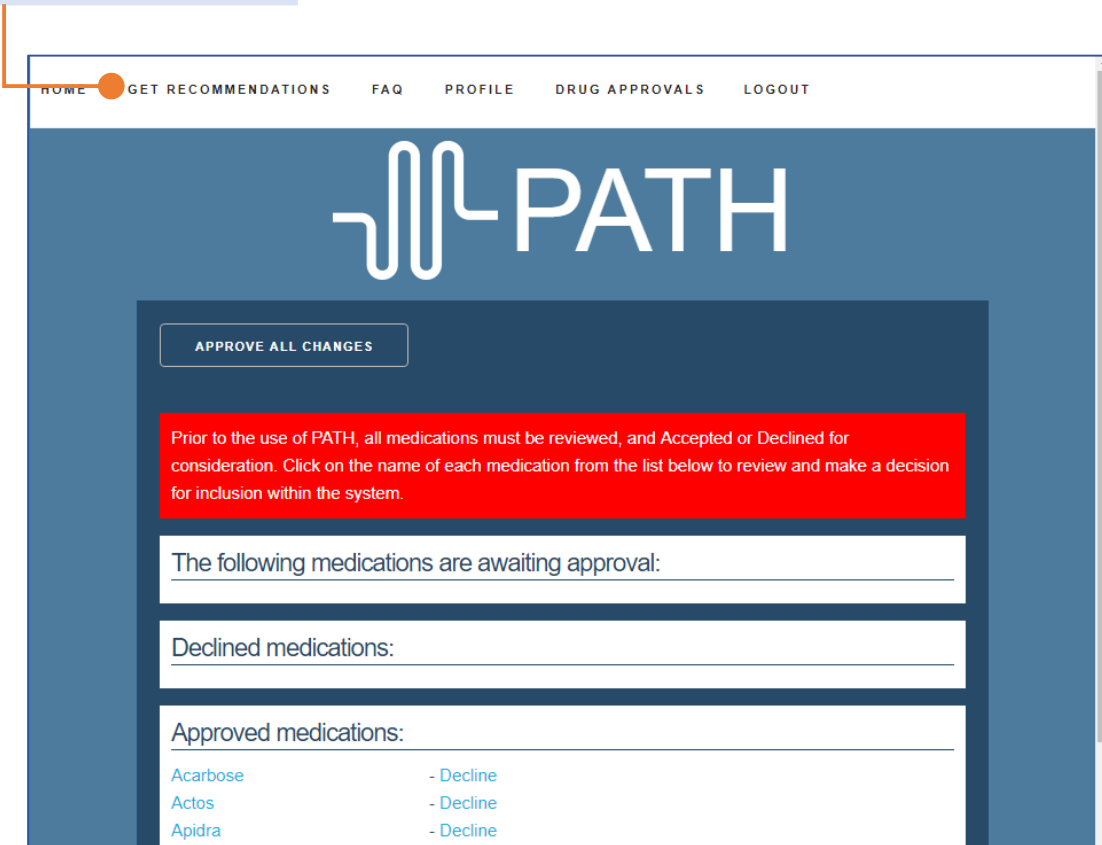
More data is below here
Including:

- Weight change
- Mechanism of Action
- Other medicines in this class
- Contraindications
- Link to FDA website for full label data

Get Recommendations

You're ready to see GlucosePATH make treatment suggestions.

1 **Click *Get Recommendations***
Click this link to start using GlucosePATH for treatment suggestions.



Patient Information Screen

This is the main work area for GlucosePATH. You'll probably spend most of your time here. For this step, just familiarize yourself with how the screen looks.

Patient data is on the left side of the screen

Place your mouse over any field's heading to see what the field represents.

Treatment suggestions will be on the right side of the screen

If you're using a phone or tablet with a small screen, treatment suggestions will appear at the bottom of the page

Display Solutions

Click this button to start running GlucosePATH's analysis (in the next step).

Scroll down

More patient data fields are found below here.

Treatment Recommendations

GlucosePATH will recommend up to 10 distinct treatment regimens. Most regimens have different HbA1c, cost, weight change, or side-effect changes. Patients often find these options a helpful way to express their own treatment goals.

1 Solution Summary
 This shows the patient's estimated out-of-pocket cost for this solution (\$185.00) along with the solution's overall score (95.4).
 Every option is rated using a 0-to-100 scoring system. Solutions with higher scores are shown first.

The screenshot shows the GlucosePATH (GPU) interface. At the top, there's a header with the logo and 'PROFILE' and 'LOGOUT' links. Below is a 'PATIENT INFORMATION' section with fields for Patient ID (z12345), Age (43), and A1c Level (8.1). There are several filter sections: 'Already Taking' (Exercise, Glyburide), 'Excluded Interventions' (Diet), 'Forgot to Take' (Nothing selected), 'Susceptibility to Side Effects' (Gastroesophageal Reflux Disease), 'Solution MUST contain' (Exercise), 'Drug Intolerance' (Nothing selected), 'Comorbid' (High LDL, Hypertension, Hyper...), and 'Sex' (Female). A 'DISPLAY SOLUTIONS' button is visible. Below this, there are dropdowns for 'State of Insurer' (Kentucky) and 'Choose Insurer(s)' (Anthem Blue Cross and Blue Shield). A 'Maximum Solution Cost' field is highlighted with a callout box. The 'OUTPUT' section shows 'Solution 1' with a cost of \$185.00 per month and an overall score of 95.4. It lists recommended medicines: Exercise, Invokana, MetforminXR, Oseni, and Prandin. There are also sections for 'Coupons', 'Notes', and 'Estimated Outcomes' with various charts and data points.

Change the data!
 Scroll down until you see the **Maximum Solution Cost** field. Change it from 2000 to 50. Then click the **Display Solutions** button to see how GlucosePATH response.

2 Medicine names are links
 Click on any medicine name to open a new browser window showing the Medicine Review page you saw earlier.

Want more detail?
 Click here to see every calculation used in GlucosePATH's recommendations, from estimated HbA1c levels, to weight change, cost, side effects, and more.

3 Estimated Outcomes
 The patient's estimated HbA1c, out-of-pocket cost, and weight change if following this regimen are displayed here.

4 Potential Side Effects
 Potential side effects and reminders of contraindications are shown here.

Advanced Features

Retrieve Patient Data

It's easy to retrieve data already entered into GlucosePATH.

1 Enter the Patient ID

2 Click the magnifying glass icon
GlucosePATH will search for the last 5 records associated with this patient.

3 Click the record to view
Records are shown in date order, starting with the most recent visit.

PATIENT INFO

Other (Inventory)

Patient ID:

PATH Results by Patient

Click or tap on a past calculation to use it as a template for a new PATH solution:

Patient (Organization)	Date	A1c	BMI
P12345 - P12345 (TEST)	06/15/18	8.00	25.0

Patient Search Term: P12345
1 result.

Close

Already Taking:

Solution MUST contain:

Excluded Interventions:

Drug Intolerance:

Demo Scenarios

GlucosePATH comes with almost 30 different test scenarios. These are designed to show how GlucosePATH makes recommendations under a variety of conditions.

1 Scroll down until you see the *Test Scenario* section

USE THESE BUTTONS TO AUTOMATICALLY LOAD A SPECIFIC TEST SCENARIO

debug	Alpha-6.5	Alpha-7	Alpha-8	Alpha-9
BMI-27	BMI-30	BMI-35	BMI-40	Cost-02
Cost-05	Cost-07	Cost-10	Demo-GERD	Demo-Hypo
Demo-Medi	Demo-Rich	Lou	Matt	Mike
Resist-00	Resist-04	Resist-08	Resist-10	Secrete-00
Secrete-04	Secrete-08	Secrete-10	Uncontrol-9.5	

Help

2 Click *Demo-GERD*
This scenario represents a patient with gastroesophageal reflux disease plus several comorbidities. It's useful for seeing how GlucosePATH views trade-offs between HbA1c control, weight gain, side effects, and cost.

3 Click *Display Solutions*
Scroll up to the top of the page and click the button labelled Display Solutions (shown on the previous slide of this Quick Start Guide).

Need help?
Click here to see Frequently Asked Questions or ask us to solve a problem. We'll respond via email or phone, whichever you prefer.

Demo Scenarios

Scenario Name	Designed to Illustrate
Alpha	A patient with high HbA1c levels and no other conditions. Shows PATH prescribing behavior in the simplest scenarios. The number in the label indicates the patient's HbA1c level, e.g., Alpha-6.5 demonstrates a patient with an HbA1c of 6.5.
BMI	A patient with HbA1c of 7.5, high BMI, and no other conditions. Shows PATH prescribing behavior when considering two factors. The number in the label indicates the patient's BMI, e.g., BMI-35 demonstrates a patient with a BMI of 35.
Cost	Demonstrates PATH prescribing behavior when patients express different sensitivity to the same cost. Cost Sensitivity refers to the financial burden the patient will face if the entire dollar amount shown in the Maximum Cost field is spent. The number in the label indicates the patient's cost sensitivity on a scale from 0 (not sensitive) to 10 (very sensitivity).
Demo-GERD	A patient with high LDL, hypertension, hypertriglyceridemia, and susceptibility to gastroesophageal reflux disease. Patient HbA1c is 8.1, BMI is 32, and is currently exercising, and taking glyburide and metformin. Demonstrates PATH's analysis in more complex scenarios where multiple constraints have to be considered.
Demo-Hypo	Similar to Demo-GERD, with hypoglycemia replacing GERD as the side effect to which the patient is susceptible.
Demo-Medi	The Demo-Hypo scenario, with a Medicare Part D insurance plan. (Not yet implemented.)
Demo-Rich	The Demo-Hypo scenario with a financially secure patient for whom treatment cost is not a consideration. Illustrates how PATH considers secondary drug effects, such as cardiovascular disease risk reduction, in its treatment decisions.
Resist	Similar to Alpha, with the additional constraint of patient insulin resistance. The number in the label indicates the patient's relative insulin resistance where 0 is no resistance and 10 is high resistance.
Secret	Similar to Resist, except it varies patient insulin secretion through beta cell function.

Score This Therapy

Allows you to choose a specific drug regimen and see how PATH scores it, for the patient data shown on the screen. Use it to answer questions such as “Why didn’t PATH choose X?”

1 Scroll down until you see the *Score This Therapy* section

Use this section to score a specific combination of drugs on the data shown above

Nothing selected

SCORE THIS THERAPY

2 Click this pop-up menu

A list of PATH's treatment options will appear. Select the ones that you'd like to have PATH evaluate.

3 Click *Score This Therapy*

Scroll up to the top of the page to see the results.

Manage Inventory (Optional)

The Inventory page keeps track of medicines available to patients.

1 The GlucosePATH default dose

Is shown in the first row.

2 Quantity on hand

This is how many doses of this treatment available to be prescribed.

3 Replacement cost

Enter your cost for one patient-month of this medicine.

If the Patient/Months Remaining is less than 24 months, PATH will use this price when calculating the cost of the patient's regimen.

Inventory					
Metformin					
Treatment	Quantity	Use per Patient/Month	Patient/Months Remaining	Replacement Cost per Patient/Month	
1000.0 mg twiceperday	9896	60	164	0.54	Standard dose used by PATH
500.0 mg fourperday	1000	120	8	0.54	Delete
Total Patient Months			172		
Add New Treatment					
<input type="button" value="SAVE CHANGES"/>					

Express alternate doses in terms of the standard dose

If you've got different doses of the same medicine available, enter them here and convert the dosage to GlucosePATH's standard dose. In this case, four 500 mg tablets per day is the same daily dose as two 1000 mg tablets.