# Introduction to the Clinigence Performance Dashboard for PPRNet



# Agenda – Intro to the Performance Dashboard

- PPRNet Process with Clinigence
- Logging in
- Navigating in the dashboard
- Programs and guidelines
  - Process vs. Outcome
  - Classifications
- Understanding scores
  - Episode-based measures
  - Inverse measures (Lower is better)

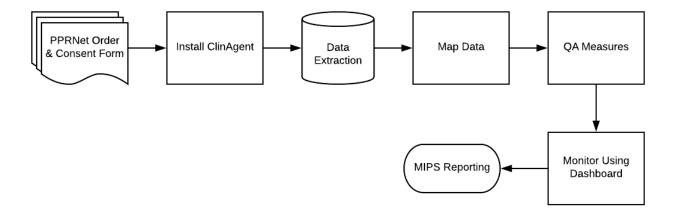


# Agenda – Intro to the Performance Dashboard

- Data Provenance
- Tracking progress
- Performance Dashboard Performance Report
- User Credentials
- Clinigence Help Desk



# The PPRNet-Clinigence Process





## PPRNet Program

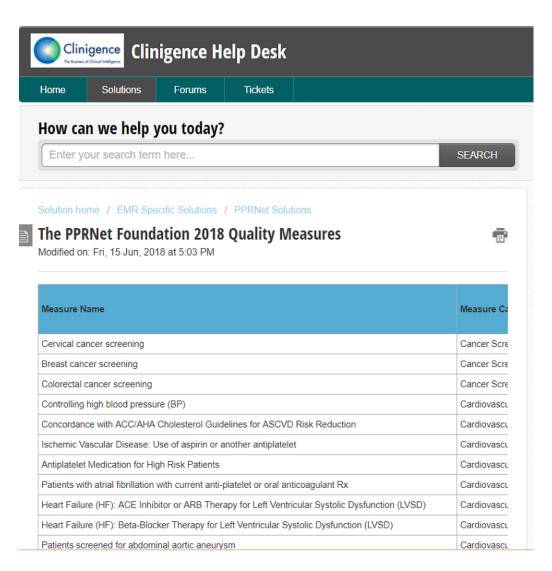
- The PPRNet Foundation 2018 Clinical Quality Measures program will be assigned to each PPRNet practice.
- There are 52 total measures: 25 MIPS-reportable (EHR/Registry/QCDR) and 27 PPRNet-specific measures
- The initial program will have the MIPS-reportable measures and the PPRNet-specific measures are being added as configuration and testing is completed. Our goal is to have all 52 measures available by August 31, 2018.



# PPRNet Program

 A complete list of the PPRNet 2018 Quality Measures can be found in the helpdesk:

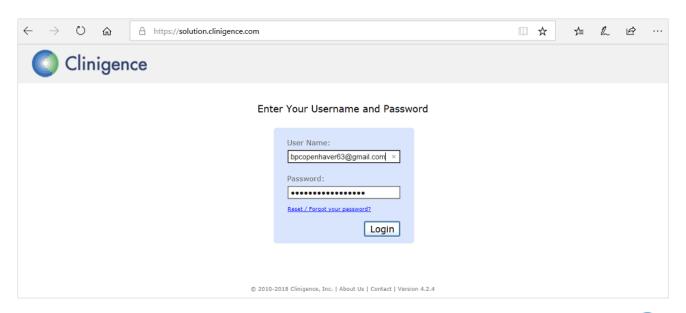
https://support.clinigence.co m/solution/articles/30000792 04-the-pprnet-foundation-2018-quality-measures





# Logging In

- Each Clinigence user will have his or her own personal login to the Clinigence application.
- Your username will be your email address. This must be unique and you
  will need to be able to access this email account to verify the address and
  reset your password.
- Go to solution.clinigence.com to log in.





#### Reset Password

 If you forget your password, select the Reset/Forgot Password link on the login screen. An email will be sent to you with instructions on re-setting your password.

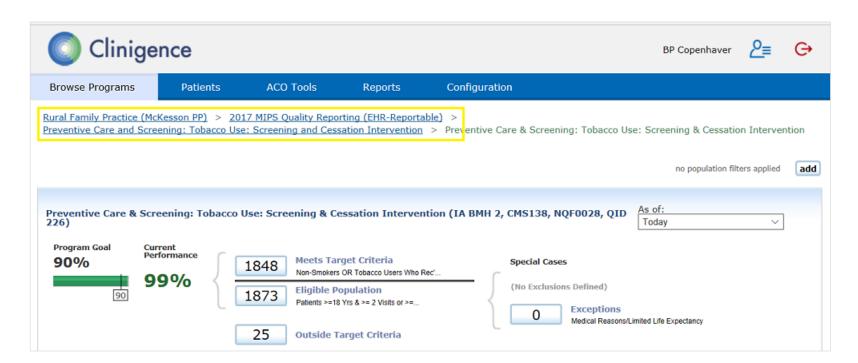
#### Enter Your Username and Password

bpcopenhave	er63@gmail.com
Password:	
•••••	•••••
Reset / Forgot yo	our password?



# Navigating in the Dashboard

- Underlined text can be used to navigate in the system.
- At the top of the screen you will see a breadcrumb navigation bar. At any time you can select one of the underlined, colored breadcrumb blocks to return to a previous screen.





# Programs and Guidelines

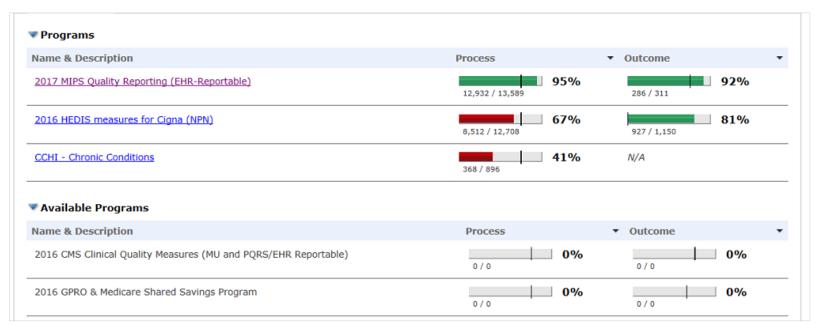
- A Program is a set of guidelines established by an authority, such as NCQA, New York State Medicaid, or CMS. Additionally an organization or practice may define its own programs, such as an internal quality improvement initiative.
- Practices can be enrolled in multiple programs. Each program that the
  practice is enrolled in appears at the top of the screen. Active providers at
  the practice will have access to each program the practice is enrolled in.

Process	▼ Outcome	•
95% 12,932 / 13,589	286 / 311	
8,512 / 12,708	927 / 1,150	
368 / 896 <b>41%</b>	N/A	
	95% 12,932 / 13,589 67% 8,512 / 12,708	95% 12,932 / 13,589 67% 8,512 / 12,708 927 / 1,150 927 / 1,150



# **Programs**

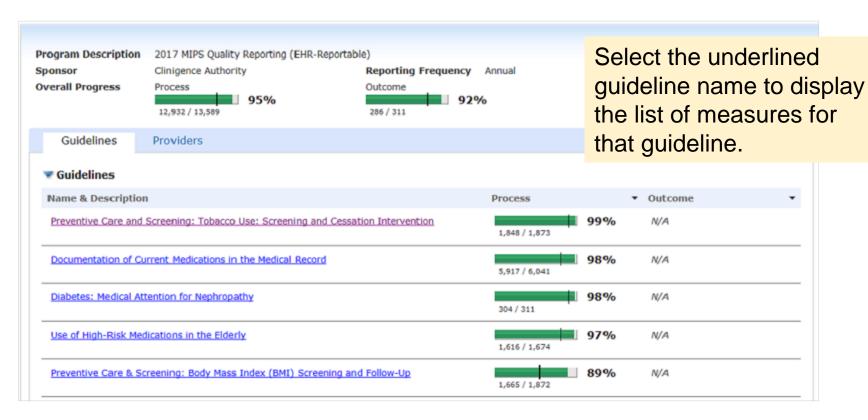
- Initially, your practice may be enrolling in only one program, but you can choose to enroll in additional programs. A list of Available Programs appears below the enrolled programs.
- Contact Clinigence or your value-added reseller if you would like more information about any of the Available Programs listed or if you would like to create a program customized for your practice.





#### Guidelines

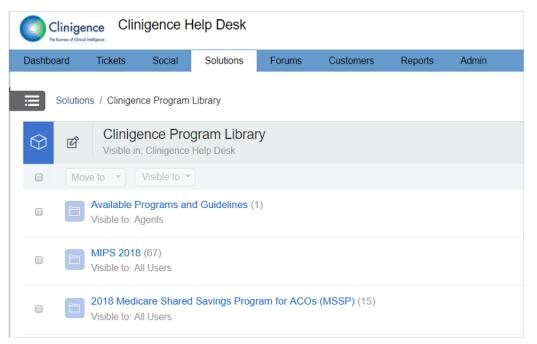
 A Guideline is a set of measures which usually target a specific population (such as age or gender), specific medical condition (such as heart disease or diabetes) or a type of treatment (such as vaccinations).





#### Measures

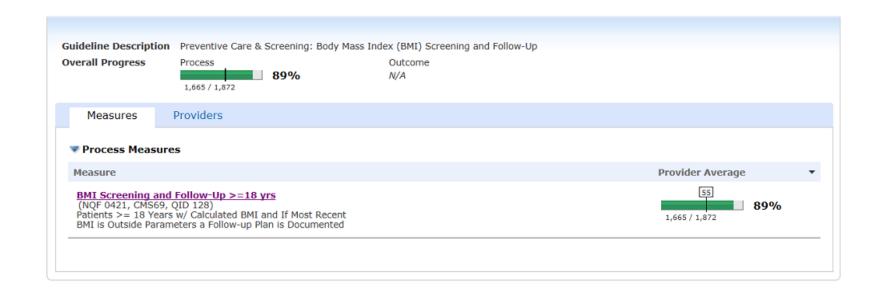
- A Measure is a calculation, usually a percentage but is sometimes a count, such as a number of encounters. Demographic and clinical rules define the details of the calculation. For example, when the calculation is a percentage there are rules that determine which patients are eligible for the denominator and rules that determine which patients in the denominator also meet the numerator criteria.
- Measure definitions and measure specifications can be found in the Clinigence HelpDesk (support.clinigence.com) under Solutions: Clinigence Program Library.





#### Measures

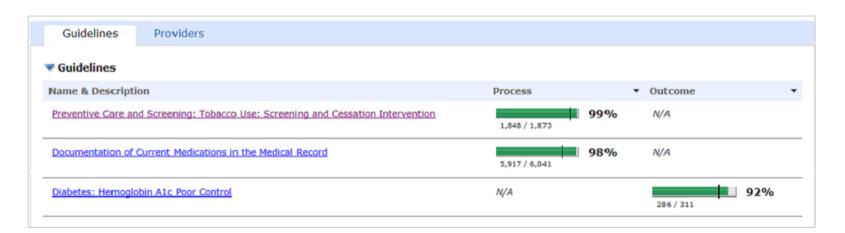
 A guideline can have a mix of both process and outcome measures. The example below shows a guideline with a single, process measure.





#### Process vs. Outcome

- There are two types of measures in the Clinigence application: Process and Outcome. A guideline can have a mix of both process and outcome measures.
- Process measures are used to evaluate how well the staff is following the recommended care protocols.
- Outcome measures are used to assess patient outcomes and can help identify patients in need of an intervention.



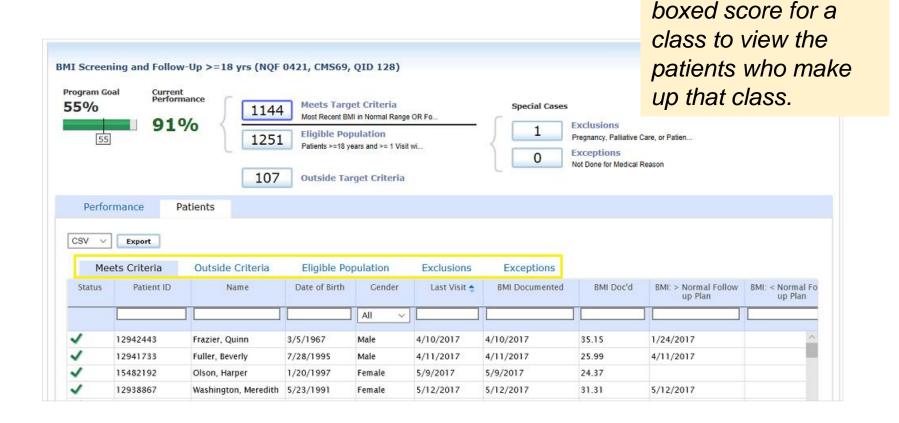


#### Classifications

- Patients are evaluated based on the criteria in the measure specification and will be assigned to the following classes:
- Eligible Population (also referred to as the Denominator) Those patients who meet the criteria for the denominator of a measure.
- Meets Target Criteria (also referred to as the Numerator) Those patients who meet the criteria for both the denominator and numerator of a measure
- Outside Target Criteria (also referred to as the Complement) Those
  patients who meet the criteria for the denominator of a measure, but do
  not meet the criteria for the numerator. In most cases, the patients in the
  complement class are those who will be candidates for an intervention.



#### Classifications

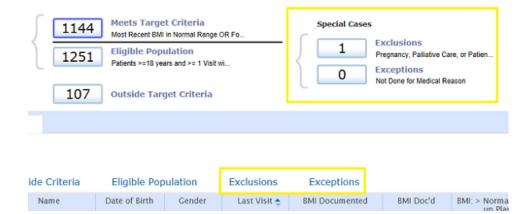




Select the tab or the

# Classifications – Special Cases

 Exclusions. Some guidelines are defined with an Exclusion Class that reduces the number of patients counted in the denominator. If a patient meets the criteria for both the denominator and the exclusion class, they are always excluded from the denominator so that those patients don't lower a provider's score on a specific measure. Examples of exclusions include existing diagnoses (like pregnancy) or previous procedures (like mastectomy).





# Classifications – Special Cases

 Exceptions. Some guidelines are defined with an Exception Class that reduces the number of patients counted in the denominator only if that patient does not also meet the numerator criteria. If a patient meets the criteria for both the denominator and the exception class, they are excluded from the denominator only if they do not also meet the numerator criteria so that those patients don't lower a provider's score on a specific measure.



Examples of exceptions include patient refusal of the influenza vaccine for an Influenza measure or existing conditions such as non-ambulatory for a BMI measure.



#### **Patient Lists**

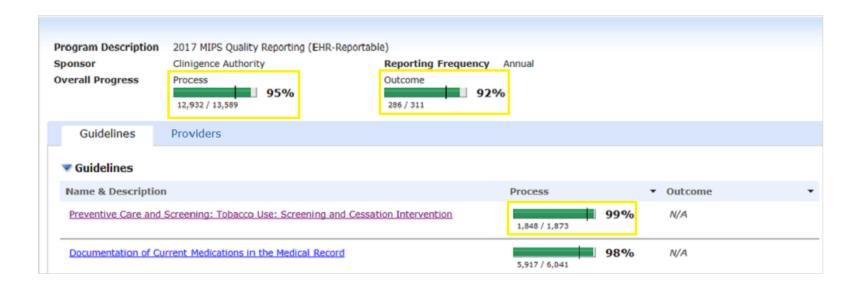
- You can sort on any of the evidence columns by selecting that column label.
- You can filter within a column by entering the filter criteria in the field below the column label.
- Once you have the patient list displayed as you wish, you can select the Export button to generate a .csv file that you can open in a spreadsheet program, such as Excel.

Performance Patients								
CSV V	Export							
Mee	ets Criteria	Outside Criteria	Eligible Po	pulation	Exclusions	Exceptions		
Status	Patient ID	Name	Date of Birth	Gender	Last Visit 💠	BMI Documented	BMI Doc'd	BMI: > Normal Follow up Plan
		harper ×		All ∨				
✓	15482192	Olson, Harper	1/20/1997	Female	5/9/2017	5/9/2017	24.37	
✓	12938913	Stephenson, Harper	11/17/1952	Female	8/30/2017	8/30/2017	26.31	8/30/2017
✓	12940604	Morrison, Harper	3/2/1963	Female	11/14/2017	11/14/2017	30.15	10/23/2017
	12940885	Cooper, Harper	6/15/1949	Female	12/21/2017	12/7/2017	28.70	12/7/2017



# **Understanding Scores**

- Aggregating scores
  - The numbers for numerator and denominator shown at the program and guideline levels are roll-ups or aggregates of the scores for the underlying measures. When logged in as a provider, the numbers reflect only those patients assigned to the current provider.

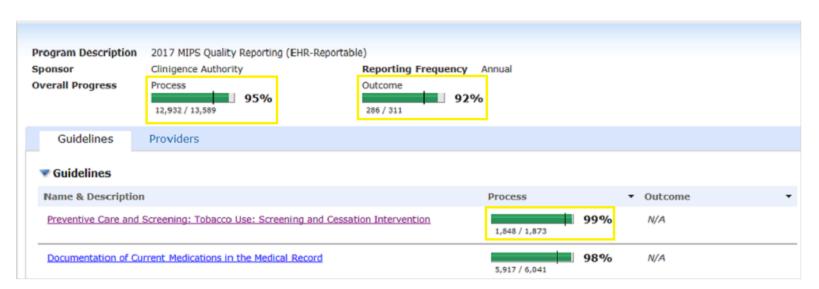




# **Understanding Scores**

#### Aggregating scores

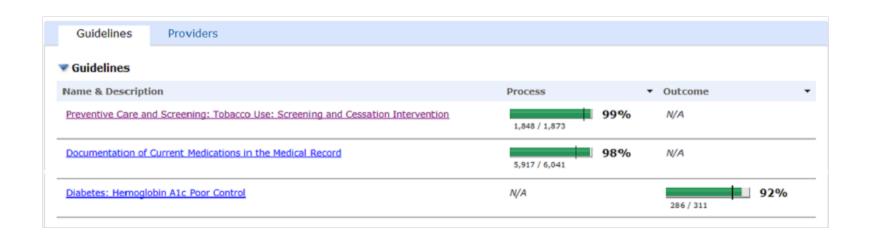
The Clinigence aggregation algorithm takes into account the total "opportunities" the provider had to follow the recommended process or achieve the desired outcome. It is quite common for patients to be counted in both the numerator and denominator multiple times in the aggregated numbers, if they qualify for multiple measures within a guideline or multiple guidelines in a program.





# **Understanding Scores**

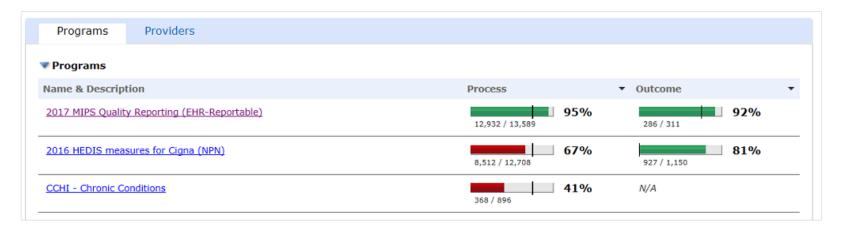
- Clinigence extracts patient data from the practice's EHR each night so these numbers are up-to-date. The information shown is real-time, clinically-based, not retrospective based solely on claims data.
- At a glance, you can see that the aggregated scores are 99-98% for the 2 process guidelines. This indicates that the staff is currently performing the recommended protocols at a high rate.





#### **Goal Thresholds**

 A progress bar is a visual representation of the provider's score for that program or guideline. The progress bar is RED when the score is below the goal threshold and GREEN when the score is above the goal threshold.

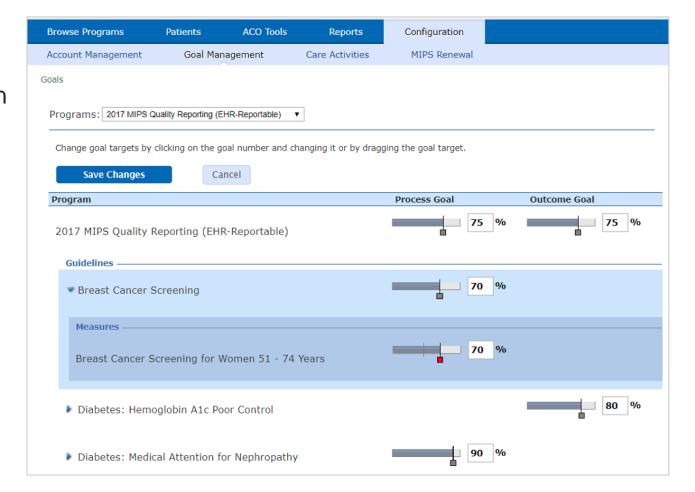


 Goal Thresholds can be associated with programs, guidelines and individual measures. Some programs have predetermined goal thresholds while others leave it to the organization or practice to define their own goal thresholds.



#### **Goal Thresholds**

 Goal thresholds can be customized by an Organizational Administrator or Practice Administrator.





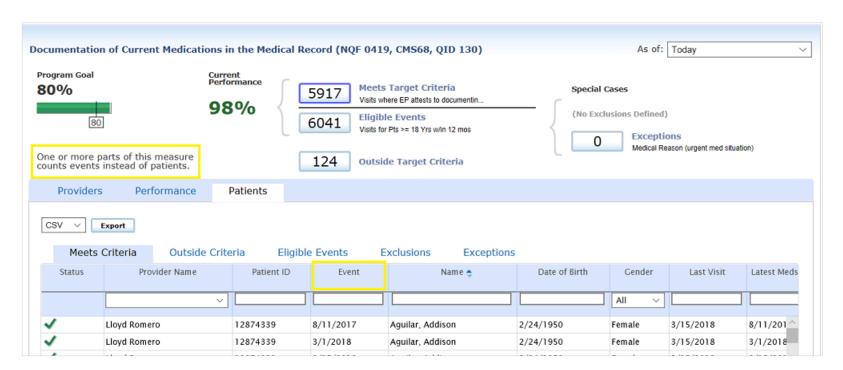
#### **PPRNet Metrics**

- The multiple benchmarks and metrics previously provided by PPRNet Foundation are not currently available in the Clinigence Performance Dashboard.
- Clinigence will set the benchmark for the MIPS-reportable measures using the Decile 10 thresholds provided by CMS in the 2018 MIPS Quality Benchmarks.
- Clinigence will set the 2018 benchmark for the PPRNet-specific measures at the "achievable benchmark."



# Episode-based Measures

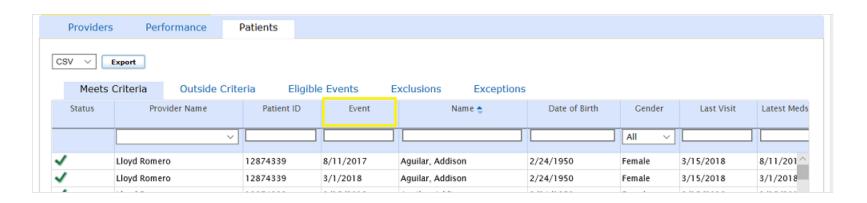
 Here the denominator and numerator represent a count of visits, diagnoses, or other episodes of care. For example, the medication reconciliation measures that are found in multiple programs all count qualifying encounters in the denominator and count encounters where a medication reconciliation was documented in the numerator.





# **Episode-based Measures**

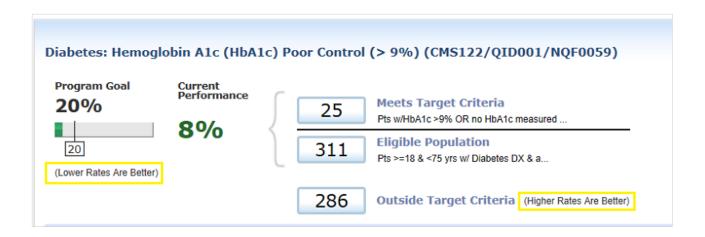
- A new column will display for all episode-based measures with the date of the Event that is being counted. Notice for patient Addison Aguilar there are two different dates in the Event column indicating that those two dates met the measure's numerator criteria.
- A single patient can appear multiple times in the patient lists and can appear in both the Meets Criteria and Outside Target Criteria, if he/she has multiple qualifying episodes.





# Inverse Measures (Lower is better)

- An example of a 'lower is better' measure is based on NQF 0059:
   Diabetes: Poor Control HgA1c > 9%. You want to have fewer patients in the numerator; those with an out of range HgA1c result.
- On the Measure Details screen, the display shows the actual numbers, as the measure was defined by the authority. In the example below, there are 25 patients with HgA1c > 9% out of 311 patients qualifying for the denominator.





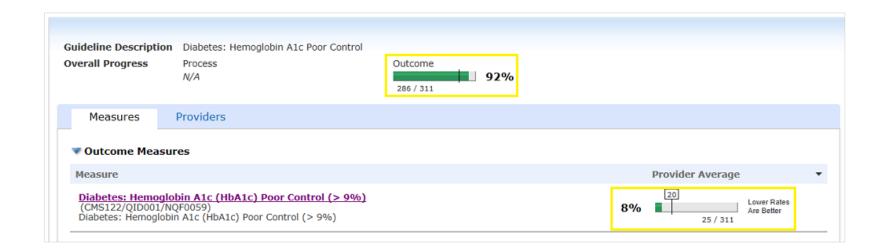
# Inverse Measures (Lower is better)

- Aggregating Lower Is Better Measures. These measures are aggregated differently from "higher is better" measures when rolled up to the guideline and program levels.
- When this measure is aggregated for the provider or practice, Clinigence "flips" the score so that all roll-up and aggregate scores include the Complement, rather than the Numerator. We do this so that the aggregate scores are not improperly lowered by a "lower is better" individual measure.



# Inverse Measures (Lower is better)

• For example, if a provider's score on this measure is 8% (25/311 diabetic patients had a Hg A1c > 9%), when that score is rolled up we use 92% (the Complement) as the score to aggregate.





#### Data Provenance

- Data Provenance in the Performance Dashboard gives the user a peek at the "source of the data" used in the evidence columns. In the case of organizations with multiple practices, the Data Provenance can also tell you when this data is from an EHR instance outside of the EHR instance of the currently selected practice.
- Data Provenance is available for all non-demographic data and is noted with the "because" symbol (\*\*) in the data evidence cell. When the data is from outside the currently selected practice, the because symbol has a blue background (\*\*\*).



#### Data Provenance

 The example below shows the because symbol with the blue background that indicate the data for this item comes from outside of the selected practice.

Last Visit	Inpt Enc/Hosp Discharge Mgmt		Transition Encounter		RX Reconciliation	
5/15/2018	4/19/2018	v			5/15/2018	v
5/15/2018	4/16/2018	v			5/15/2018	v
5/11/2018	7/3/2017	v	7/25/2017		7/11/2017	v
3/20/2018	9/13/2017	·	_		9/27/2017	
3/20/2018	10/10/2017	•	L7		11/9/2017	v
6/21/2018	10/29/2017	·	11/20/2017	·	11/20/2017	v
6/21/2018	3/29/2018	*			4/12/2018	
5/29/2018	9/28/2017	v	10/24/2017	·	10/24/2017	
5/22/2018	4/21/2018	·			4/26/2018	
6/21/2018	7/26/2017	•	8/10/2017		8/10/2017	•



# Displaying Data Provenance

- When the user hovers the mouse over the because symbol, the Data Provenance pop-up appears.
- Information included in the Data Provenance pop-up:
  - Practice name
  - Source Type (Procedure, Diagnosis, Lab, etc.)
  - Date
  - Description
  - Numeric Value

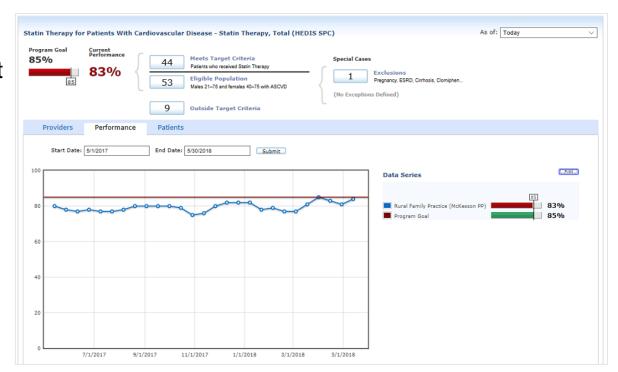
Female	6/8/2018	5/10/2018	∵ 120.00
Female	Source Record(s):	3/14/2018	122.00
Male	Family Physicians	6/30/2017	· 111.00
Female	3/14/2018 Lab	10/28/2016	∵ 158.00
Male	Cholesterol in LDL	8/21/2015	∵ 104.00
Male	[Mass/volume] in Serum or	6/7/2018	∵ 158.00
Male	Plasma by calculation 122	3/27/2018	∵ 117.00



# **Tracking Progress**

 Trendlines provide a visual representation of the practice's and providers' performance on a specific measure over time.

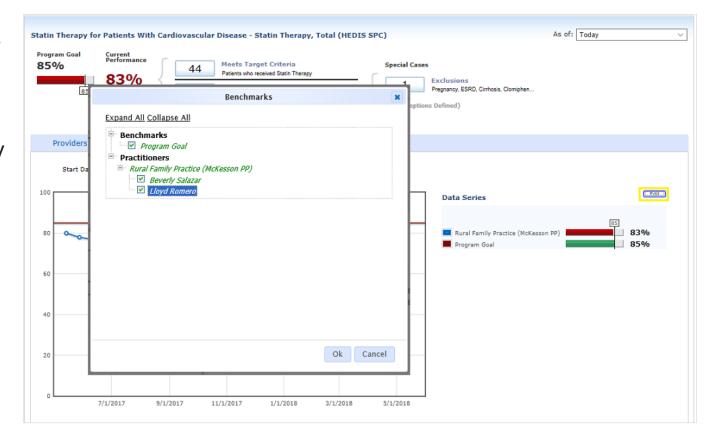
From the Measure
Details screen, select
the Performance tab.
The trendline shows
the practice's
average and the
program goal.





# **Tracking Progress**

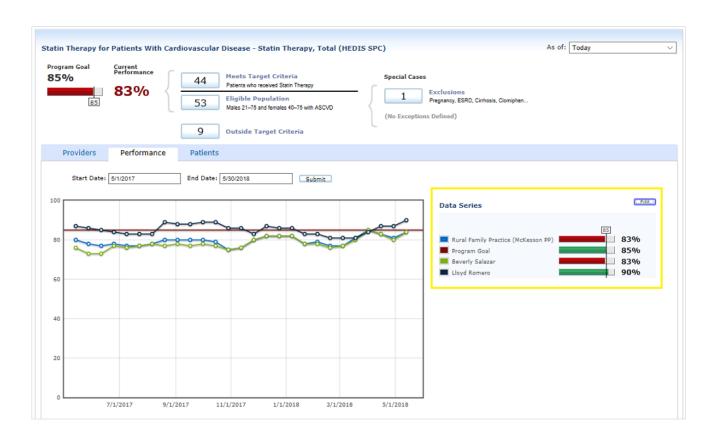
 You can add a trendline for selected providers in the practice by selecting the Edit button, then the checkbox for each provider.





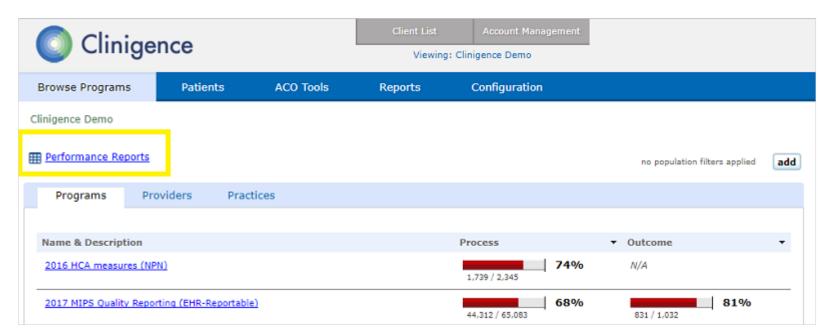
## **Tracking Progress**

 A colored trendline displays for each provider selected as well as the practice average. The Data Series box shows a legend for the graph.





 The purpose of the Performance Report is to aggregate measure performance for the organization. Two reports can be generated: one listing scores by practice, and the other by program guideline.





 As there can be a large amount of data to process for these reports which can take a while to complete, the user requests a report and is notified via email when the report is ready to view and download.

	Browse Programs	Patients	ACO Tools	Reports	Configuration		
Browse Programs	Clinigence Demo > Pe	rformance Reports	> Request Report				
Cliniqence Demo > Performa	Report Type:*  Program:*	By Practice  2017 MIPS Quality R	▼ eporting (EHR-Reportal	ble)	<b>v</b>		est Report
Effective Date + Pro		Note - all providers in the	selected practices will be	included in the report		Requested By	
3/31/2017 7/2	5/	<ul> <li>All Practices</li> </ul>				Greg Imhoff	8
6/30/2017 7/2	5/	<ul> <li>Specific Practice(</li> </ul>	s)			Andy Robinson	8
6/30/2017 7/20		Rural Family Phys				Andy Robinson	8
φ		Family Phys in A		al Family Phys (eCW	) X	Vie	ew 1 - 3 of 3
		Pre-Loaded Date     Q1 2017     Specific Date (rep	(quarters)  v  port may take longer	to generate)			
	PopulationFilter:*	All Medicare  Run Report	You will be notified	d via email when t	he report is ready.		



 Once a report has been generated, it will be available on the Performance Reports list to be retrieved at any time by any user with organizational administer permissions unless it is deleted.

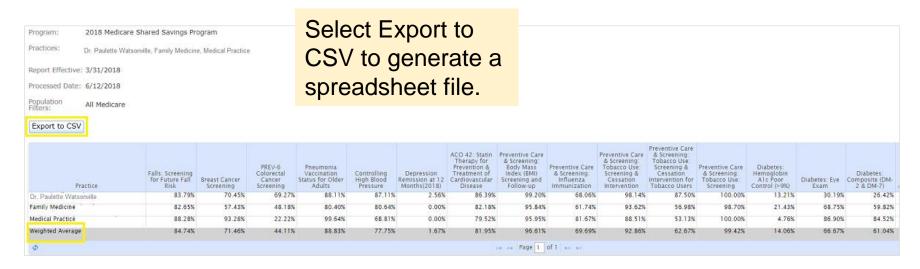


 Scores by Guideline. This version of the report gives you the organizationlevel scores and patient counts for each measure in the program. Some guidelines have multiple measures and this report will show you the scores by measure.

Program: 201	17 MIPS Qualit	y Reporting (EHR-Reportable)							
Practices: All									
Report Effective: 12/	31/2017								
Processed Date: 5/3	0/2018								
Population Filters: Nor	ne								
Export to CSV									
Guideline		Measure	Reference	Initial Population	Denominator	Exclusions	Numerator	Exceptions	Rate
Colorectal Cancer Screening		Pts 50 - 75 Yrs Screened for Colorectal Cancer	NQF 0034, CMS130, QID 113	505	505	0	101	0	19.26
Pneumococcal Vaccination Status for Older Adults		Pts >=65 Yrs Who Ever Received a Pneumococcal Vaccine	NQF 0043, CMS127, QID 111	595	595	0	592	0	99.50
Diabetes: Hemoglobin A1c Poor Con		Diabetes: Hemoglobin A1c (HbA1c) Poor Control (> 9%)	CMS122/QID001/NQF0059	1272	1272	0	245	0	19.2
Breast Cancer Screening		Women 50-74 years who had mammogram to screen for breast cancer	NQF 2372, CMS125, QID 112	2084	2083	1	1753	0	84.16
Preventive Care and Screening: Toba Screening and Cessation Intervention	1	Pts >=18 Yrs w/Smoking Status Doc'd AND Tobacco Users Rec'd Cessation Intervention w/in 24 Mos	IA BMH 2, CMS138, NQF0028, QID 226	8204	8199	0	4532	5	55.28
Preventive Care & Screening: Influent Immunization (Flu Season 2017)		Pts >=6 Mos w/Visit During Flu Season 2017 Recv'd Flu Vaccine Aug. 1, 2016 to Mar. 31, 2017	NQF 0041, CMS147, QID 110	7606	7219	0	4383	387	60.7
Documentation of Current Medicatio Medical Record		Visits for Pts >= 18 Yrs When EP Attests to Documenting of Current Medications	NQF 0419, CMS68, QID 130	29919	29919	0	22786	0	76.16
Diabetes: Medical Attention for Neph		Pts 18-75 with diabetes had nephropathy screening or evidence during m.p	NQF 0062, CMS134, QID 119	1272	1272	0	1098	0	86.3
Use of High-Risk Medications in the E	Elderly	At Least 1 Drug to be Avoided in the Elderly	NQF 0022, CMS156, QID 238	2899	2899	0	405	0	13.9
Use of High-Risk Medications in the E	Elderly	At Least 2 Drugs to be Avoided in the Elderly	NQF 0022, CMS156, QID 238	2899	2899	0	68	0	2.3
Preventive Care & Screening: Body M Screening and Follow-Up		Patients >= 18 Years w/ Calculated BMI and if Most Recent BMI is Outside Parameters a Follow-up Plan is Documented	NQF 0421, CMS69, QID 128	9157	9003	154	5077	0	56.3
φ		la ca	Page 1 of 1 by bi					View 1	- 81 of 8



 Scores by Practice. This version of the report lets you compare the practices in your organization with each other and the weighted average for the entire organization for each guideline.





#### **User Credentials**

- Describe the Clinigence user roles.
- A users credentials (username and password) is associated with a role.
   Each role determines the set of available product features and the breadth of data the user can see. The roles are:
  - Provider
  - Practice Administrator
  - Organizational Administrator



#### **User Roles**

- A Provider ...
  - Must be set up as a provider in the EMR.
  - By default can only see patients assigned to that provider based on the practice's configured patient provider rules.
     Optionally has the permissions of a Practice Administrator if granted that role.
- A Practice Administrator ...
  - Can see all patients and providers in the practice.
  - Can set up and maintain credentials for providers and other practice administrators.
  - Can set up practice level goals for the practice's programs, guidelines and measures.
  - Optionally can see the all organization practice and provider scores (but not patients) if granted that permission. (Restricted Organization Access)

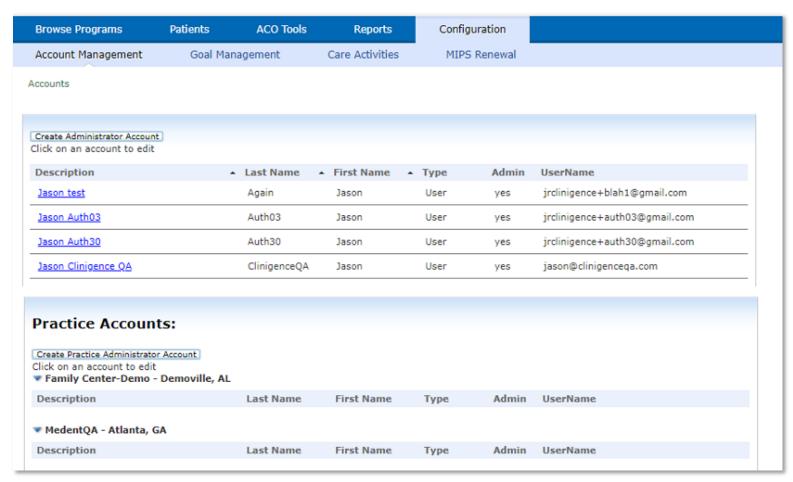
#### **User Roles**

- An Organizational Administrator ...
  - Can see all patients and providers for all the practices associated with the organization.
  - Can set up and maintain credentials for providers and practice administrators in all the practices associated with the organization.
  - Can set up organizational level goals for all the practices' programs, guidelines and measures associated with the organization.



## Adding Users

Organization and Practice-level Administrators can add users.

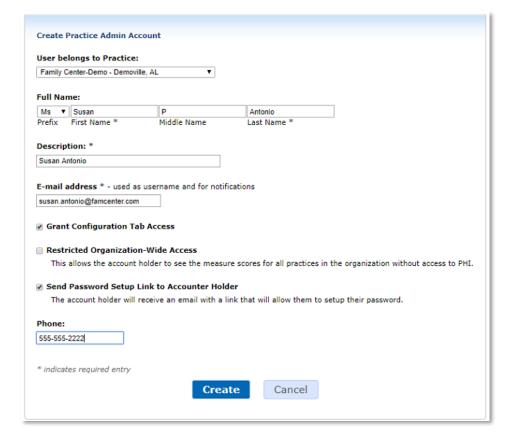




## Adding a Practice Admin

An Organization or Practice Administrator can add a new user with

Practice Admin rights.

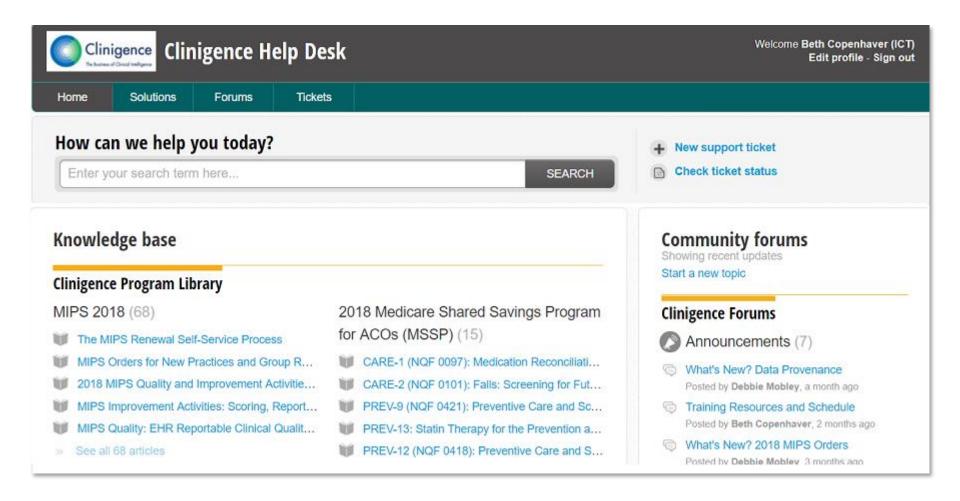




## Deactivating a User

- Change the username to an invalid email address.
   At this point unless the user is given the new username and credentials the user cannot access the system.
- If the user needs to be completely removed from the system, send an email to support@clinigence.com asking that the account be removed.
   Once removed you will not be able to reactivate an account with this username without help from Clinigence.

## Clinigence Help Desk





## Clinigence Help Desk

- Any Clinigence user can access the Solutions section of the Help Desk at support.Clinigence.com
- In order to add or update tickets, a user will need a support login (separate from the solution.Clinigence.com login).
  - Email is used by both systems as the username, but they are separate systems.



## Creating a Helpdesk Ticket

- There are two methods you can use to create a Helpdesk ticket:
  - Email support@clinigence.com this automatically creates a ticket in the Helpdesk and notifies our Help Team.
  - Go directly to the Helpdesk at support.clinigence.com and select the +
     New link in the upper right of the screen.

Use an email to create a ticket when	Create the ticket directly in the Helpdesk when
<ul> <li>You have a question about the Clinigence dashboard.</li> <li>You need help adding/updating users</li> <li>You have a question about how a particular measure is calculated</li> <li>You want to add/remove a program</li> </ul>	You need to include example patients and PHI in order to describe your problem.



# Questions?

