Analytical Dashboards

User Guide

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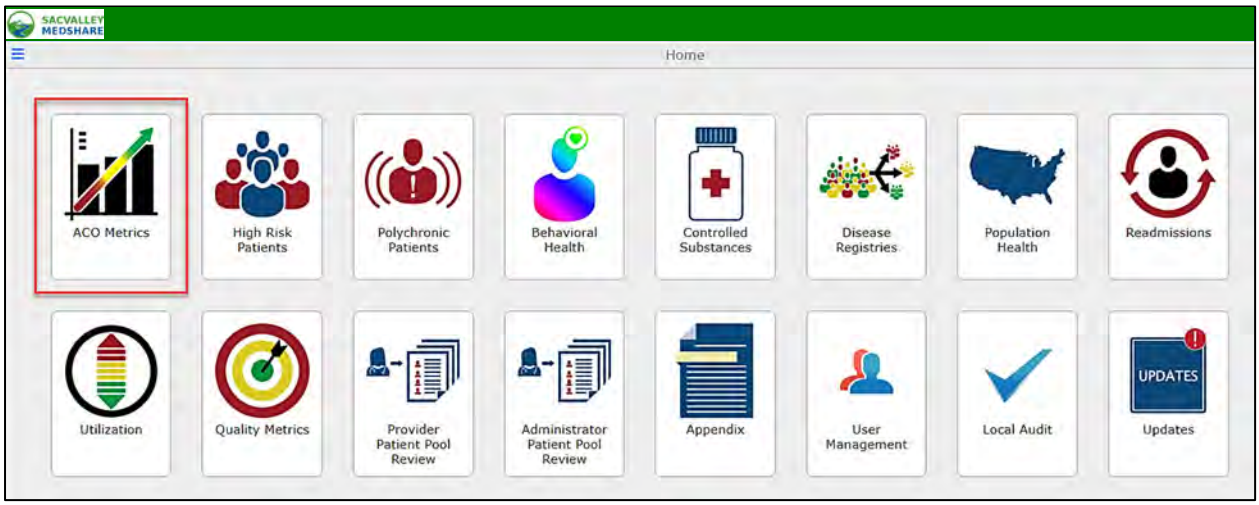
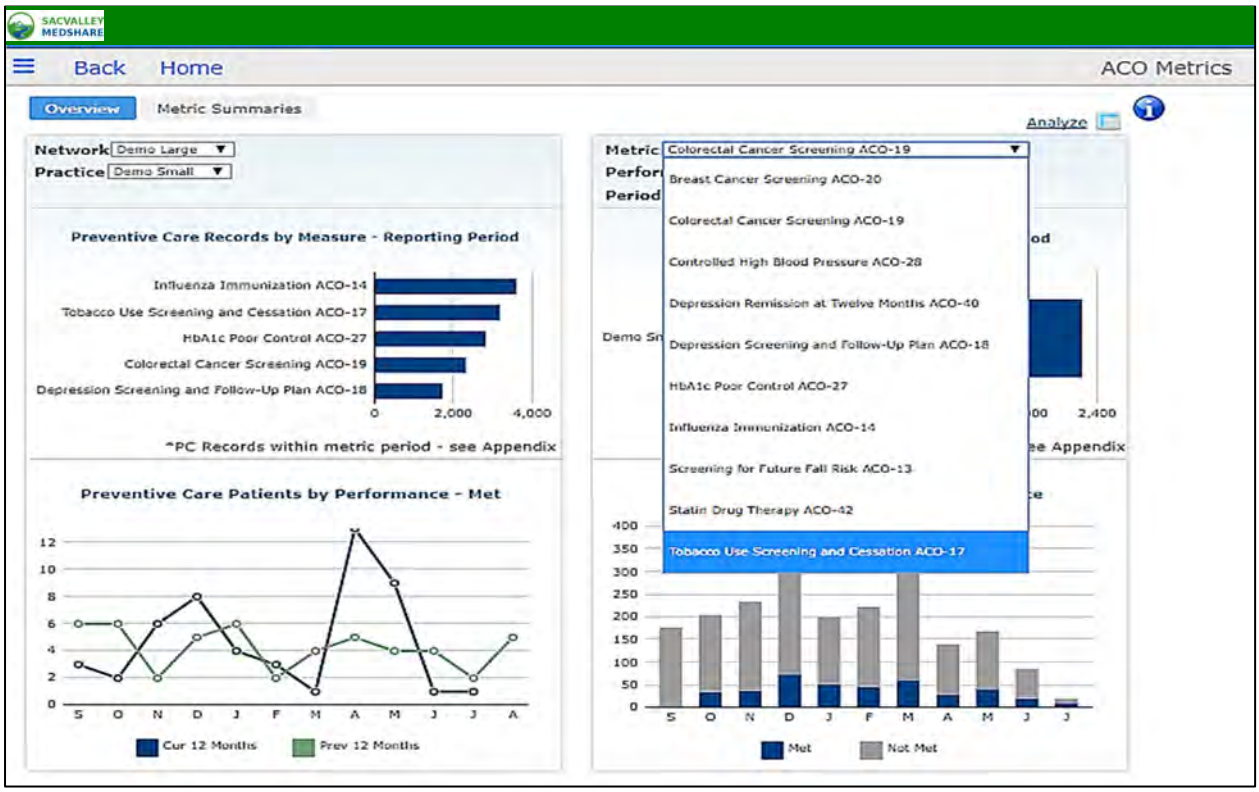
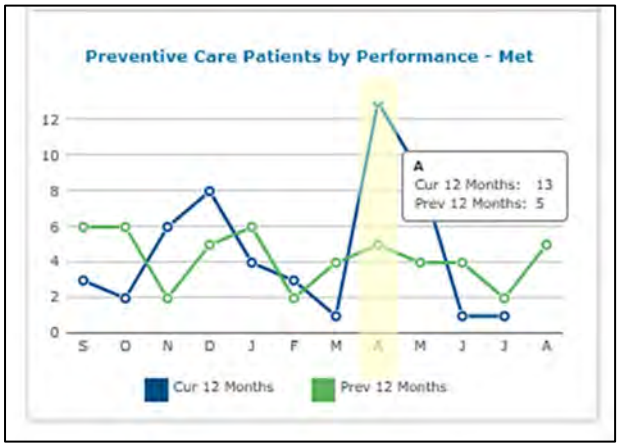
ACO METRICS

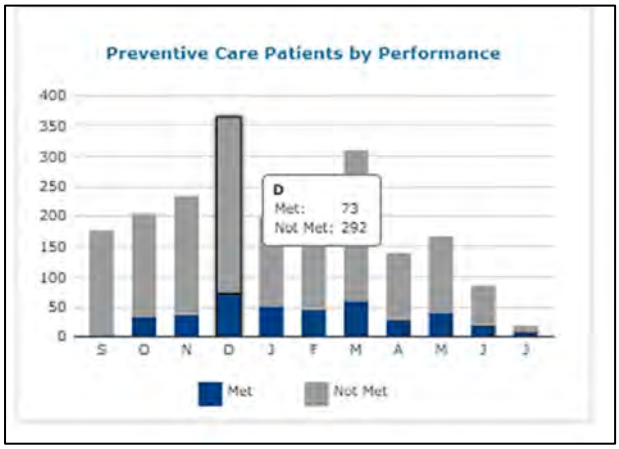




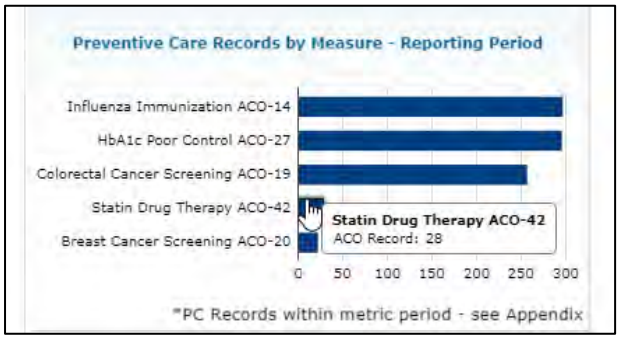
ACO Metrics display the clinical quality measures required for Accountable Care Organization and Value Based Payment program reporting. Measures cover care coordination, patient safety, preventive health, and at-risk populations.



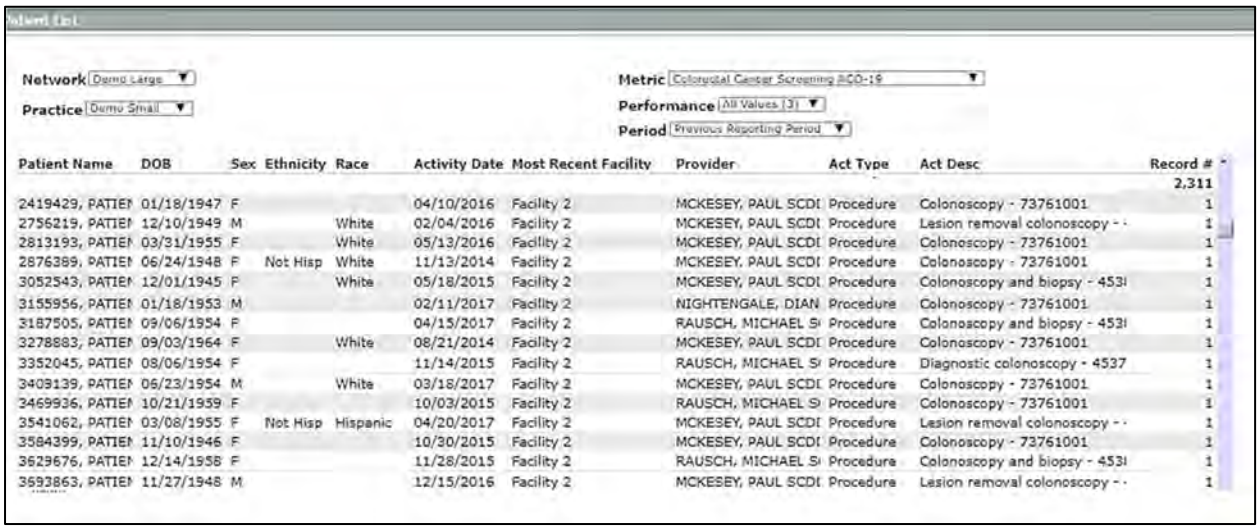
Preventive Care Patients by Performance –Met displays a trend line comparison of last year to current month and year.



Preventive Care Patients by Performance displays a monthly summary of patients who have completed (Met) and those who have not (Not Med).



Preventive Care Records by Measure-selecting a bar from this chart will open up a patient list of details for each measure.

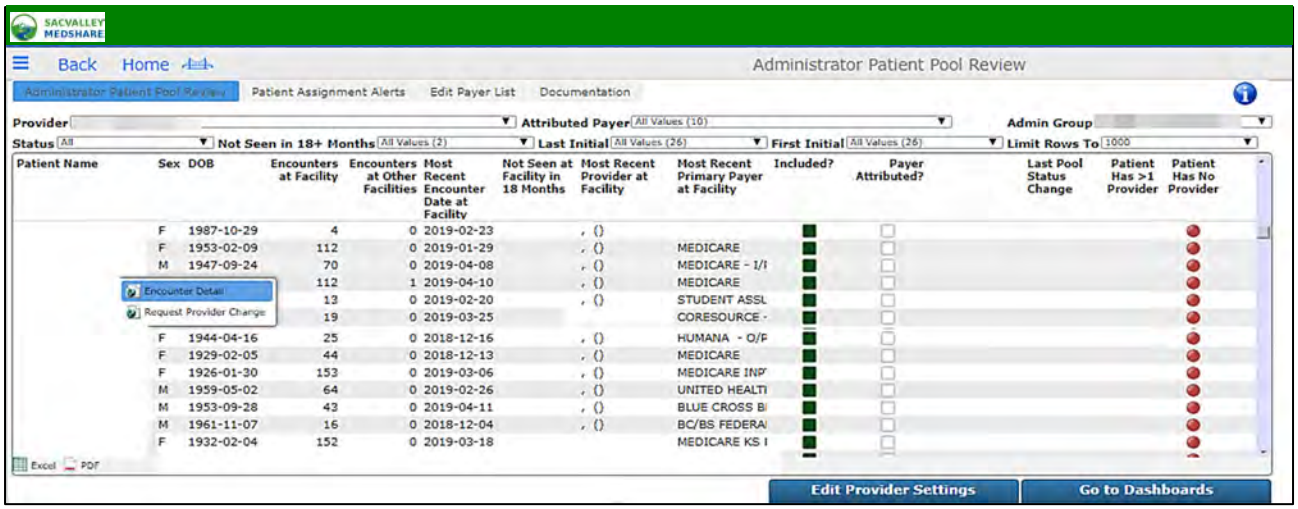


Patient Name	DOB	Sex	Ethnicity	Race	Activity Date	Most Recent Facility	Provider	Act Type	Act Desc	Record #
										2,311
2419429, PATIEI	01/18/1947	F			04/10/2016	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy - 73761001	1
2756219, PATIEI	12/10/1949	M		White	02/04/2016	Facility 2	MCKESEY, PAUL SCDI	Procedure	Lesion removal colonoscopy - -	1
2813193, PATIEI	03/31/1955	F		White	05/13/2016	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy - 73761001	1
2876389, PATIEI	06/24/1948	F	Not Hisp	White	11/13/2014	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy - 73761001	1
3052543, PATIEI	12/01/1945	F		White	05/18/2015	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy and biopsy - 4531	1
3155956, PATIEI	01/18/1953	M			02/11/2017	Facility 2	NIGHTENGALE, DIAN	Procedure	Colonoscopy - 73761001	1
3187505, PATIEI	09/06/1954	F			04/15/2017	Facility 2	RAUSCH, MICHAEL S	Procedure	Colonoscopy and biopsy - 4531	1
3278883, PATIEI	09/03/1964	F		White	08/21/2014	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy - 73761001	1
3352045, PATIEI	08/06/1954	F			11/14/2015	Facility 2	RAUSCH, MICHAEL S	Procedure	Diagnostic colonoscopy - 4537	1
3403139, PATIEI	06/23/1954	M		White	03/18/2017	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy - 73761001	1
3469936, PATIEI	10/21/1959	F			10/03/2015	Facility 2	RAUSCH, MICHAEL S	Procedure	Colonoscopy - 73761001	1
3541062, PATIEI	03/08/1955	F	Not Hisp	Hispanic	04/20/2017	Facility 2	MCKESEY, PAUL SCDI	Procedure	Lesion removal colonoscopy - -	1
3584399, PATIEI	11/10/1946	F			10/30/2015	Facility 2	MCKESEY, PAUL SCDI	Procedure	Colonoscopy - 73761001	1
3629676, PATIEI	12/14/1958	F			11/28/2015	Facility 2	RAUSCH, MICHAEL S	Procedure	Colonoscopy and biopsy - 4531	1
3693863, PATIEI	11/27/1948	M			12/15/2016	Facility 2	MCKESEY, PAUL SCDI	Procedure	Lesion removal colonoscopy - -	1

On demand reports identify patients for follow up to improve reported outcomes. At reporting time, organizations can directly export and upload their measure results, saving time and improving data completeness.

ADMINISTRATOR PATIENT POOL REVIEW

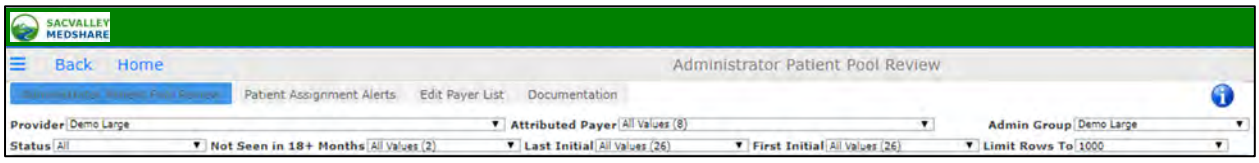
ADMINISTRATOR PATIENT POOL REVIEW
The Administrator Patient Pool Review is a collection of pages that allow a Practice Administrator to manage patient attribution for providers within their practice.



Administrator Patient Pool Review
Patient Pool Review tab shows a list of patients that are in the logged-in administrator's security group. It also allows the Practice Administrator to review the patient lists for individual providers. Practice Administrators can exclude and re-include patients from a provider's pool (only when they are viewing a single provider's patient list as set by the Provider quickview). Practice Administrators can also submit a provider change request for a patient to SVMS.

The display lists the following fields for each of the patients:
• **Basic demographics**: Name, DOB and Gender
• **Encounters at Facility** - count of the patient's visits within the client's facilities.
• **Encounters at Other Facilities** - count of the patient's visits outside of the client's facilities.
• **Most Recent Encounter Date at Facility** - the date of patient's last visit within the client's facilities.
• **Not Seen at Facility in 18 Months** - a red indicator marks any patient that has not had a visit with the client in the last 18 months, blank otherwise.
• **Most Recent Provider at Facility** - the latest provider name available on the patient's visits.
• **Most Recent Primary Payer at Facility** - the latest primary name available on the patient's visits within the client facilities.
• **Included?** - a checkbox indicating if the patient is included in (dark green) or excluded from (white) a provider's or administrator's view.
• **Payer Attributed?** - A checkbox indicating if a patient has been marked as payer attributed. This checkbox is white by default, and green if a Practice Administrator has attributed a payer to the patient. The setting is practice/client-wide, and not on a per-provider basis
• **Last Pool Status Change** - the date and time of the last edit to a patient's Included/Excluded status

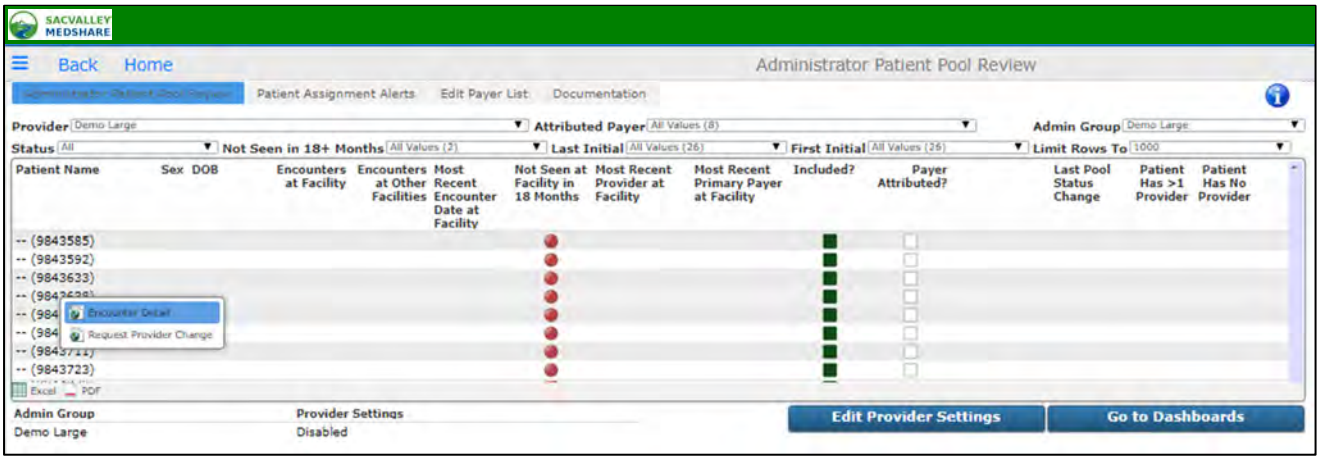
• **Patient Has >1 Provider** - a circular red alert displayed for any patient that has been assigned to more than one provider within the client/practice.
• **Patient Has No Provider** - a circular red alert displayed for any patient that has not been assigned to a provider



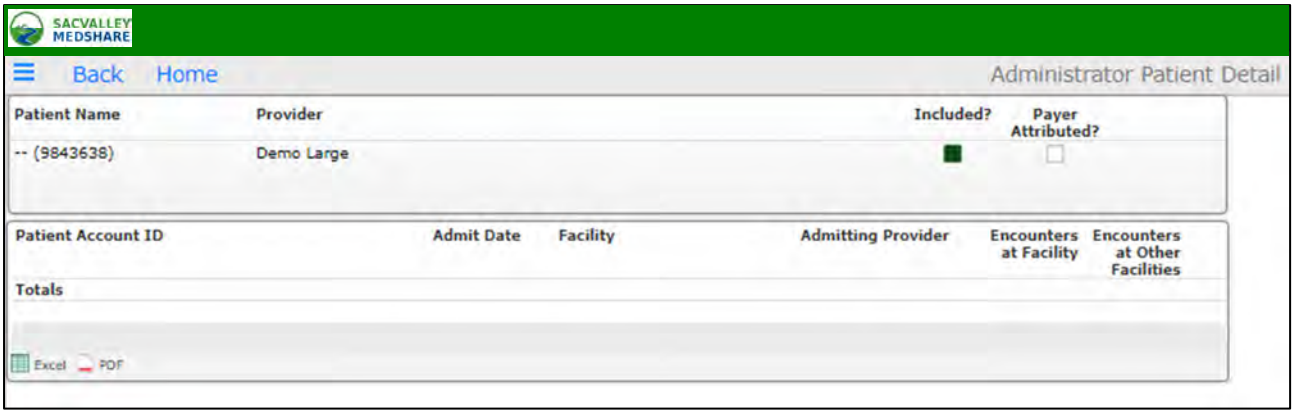
Filters

The Patient Pool report can be filtered by the following

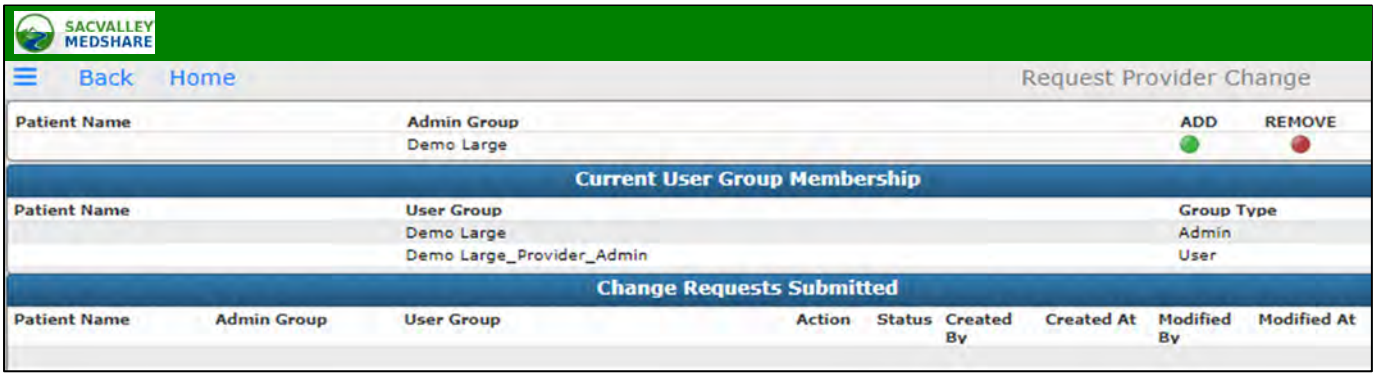
• **Status** - filters the report to show only Included patients, only Excluded patients, or All patients (default) for the provider.
• **Attributed Payer** - filters the report to only those patients that a Practice Administrator has marked as attributed to a particular payer. The default is to show all patients.
• **Not Seen in 18+ Months** - filters the report to show only those patients for which the condition is True or False. The default settings show all patients.
• **First Initial** - filters the report to only patients whose first initial starts with the selected character. The default settings show all values.
• **Last Initial** - filters the report to only patients whose last initial starts with the selected character. The default settings show all values.
• **Limit Rows To** - sets the number of patients to show in the report. The default is 10



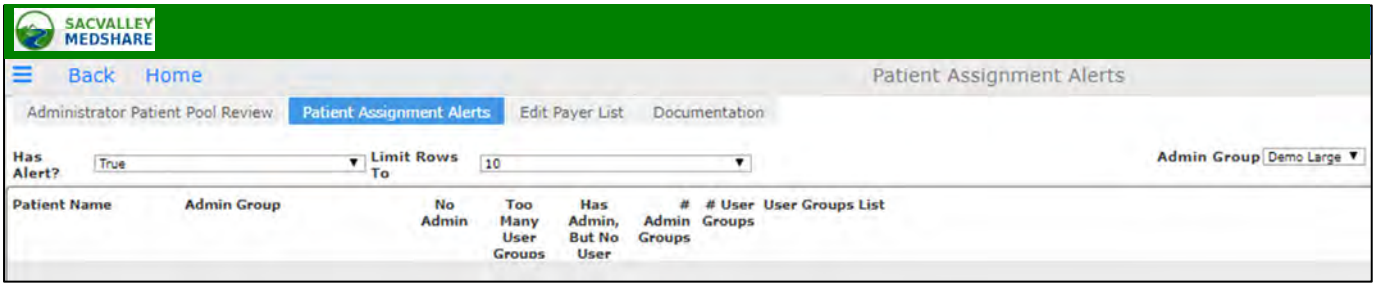
Patient Encounter Detail Click-Action - Clicking on any non-indicator column for a patient in the Patient Pool report pops up a new page with the Encounter Detail report for the selected patient. The page shows the patient name, the selected administrator or provider security group, the Included? status (which can be edited if a provider security group was selected), the Payer Attributed? status for the patient (which can be edited if the administrator group was selected), and a list of all the encounters for the patient.



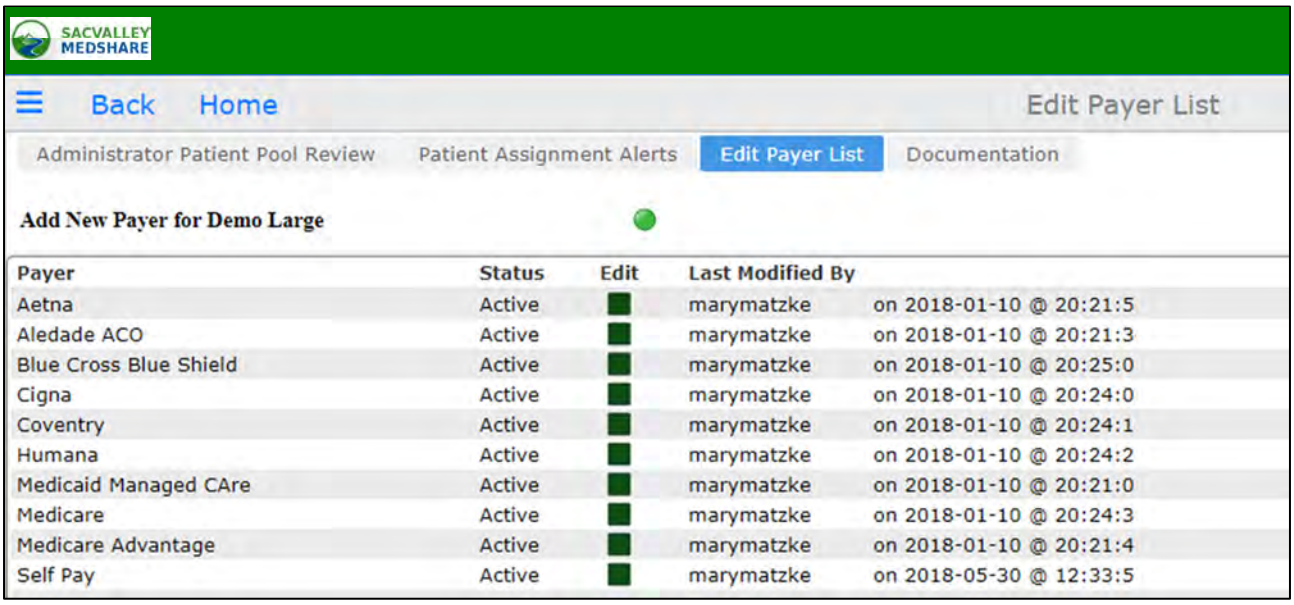
Request Provider Change - Clicking on any patient in the Patient Pool report allows the user to select the Request Provider Change menu item. This navigates to a new page that lists all the security groups the selected patient has been assigned to. A round green Add allows a user to request a new provider security group assignment for the patient. A round red Remove allows a user to request that a patient be removed from a provider security group. The page also shows a list of all the Add and Remove requests that have been submitted for the patient.



Patient Assignment Alerts: shows alerts for any patients within the client that have issues with their security group assignments.



Edit Payer List: shows the list of payers that can be attributed to patients, and allows the Practice Administrator to edit the list by adding new Payers, editing existing Payers, or disabling an existing Payer. (Note: disabled Payers will not show up as options when editing Payer Attributed for a patient, but they are not deleted so as to be able to report on report on any patients that still have those disabled payers attributed.)



Payer	Status	Edit	Last Modified By	
Aetna	Active		marymatzke	on 2018-01-10 @ 20:21:5
Aledade ACO	Active		marymatzke	on 2018-01-10 @ 20:21:3
Blue Cross Blue Shield	Active		marymatzke	on 2018-01-10 @ 20:25:0
Cigna	Active		marymatzke	on 2018-01-10 @ 20:24:0
Coventry	Active		marymatzke	on 2018-01-10 @ 20:24:1
Humana	Active		marymatzke	on 2018-01-10 @ 20:24:2
Medicaid Managed CAre	Active		marymatzke	on 2018-01-10 @ 20:21:0
Medicare	Active		marymatzke	on 2018-01-10 @ 20:24:3
Medicare Advantage	Active		marymatzke	on 2018-01-10 @ 20:21:4
Self Pay	Active		marymatzke	on 2018-05-30 @ 12:33:5

Edit Provider Settings Button - The current selection of whether the Provider Settings should be applied to the Practice Administrator's view of patients is displayed under the Patient Pool report.
Provider Settings=Disabled means the provider exclusions or assignments for patients have no effect on the administrator's view of the patients; Enabled means provider exclusions affect the administrator's view. The Edit Provider Settings button under the Patient Pool report takes the user to a page where the user can change the Provider Settings between Enabled and Disabled states. By default, Provider Settings are disabled for all clients.

Go to Dashboards - takes the user to the main menu for the data dashboards

Interactive Features

• **Included?** When a Provider's security group is chosen from the Provider quickview, the patient list is limited to that Provider's patients. The Included checkbox becomes interactive on each patient's row, allowing the user to click on it and toggle the Included/Excluded status of that patient in the selected provider's view. The popup window that appears on a user click allows the user to select an Exclude Reason, and select OK to save the Inclusion/Exclusion edit. Editing the Include? checkbox status updates the Last Pool Status Change field also.

Note: after changing the Include? status for one or more patients, a user needs to log out and log back in to the dashboards to see the new Included/Excluded settings effected on the data dashboards.

When the Administrator's security group is chosen from the Provider quickview, the patient list displays all patients within the practice/client. The Included? checkbox in this view is a display-only alert (green for included, white for excluded). Patient exclusions cannot be set explicitly for a Practice Administrator; they are determined by the exclusions set by all the providers that a patient is assigned to at the client. If Provider Settings for the client's Admin Group have been enabled, then any patient in the Practice Administrator's view that has not been assigned to a Provider group, or has been excluded by all Providers, will be deemed excluded for the Practice Administrator. If the Provider Settings for the client's Group have been disabled, then the Practice Administrator's view includes all patients assigned to the administrator, whether or not they are assigned to or excluded from Provider views.

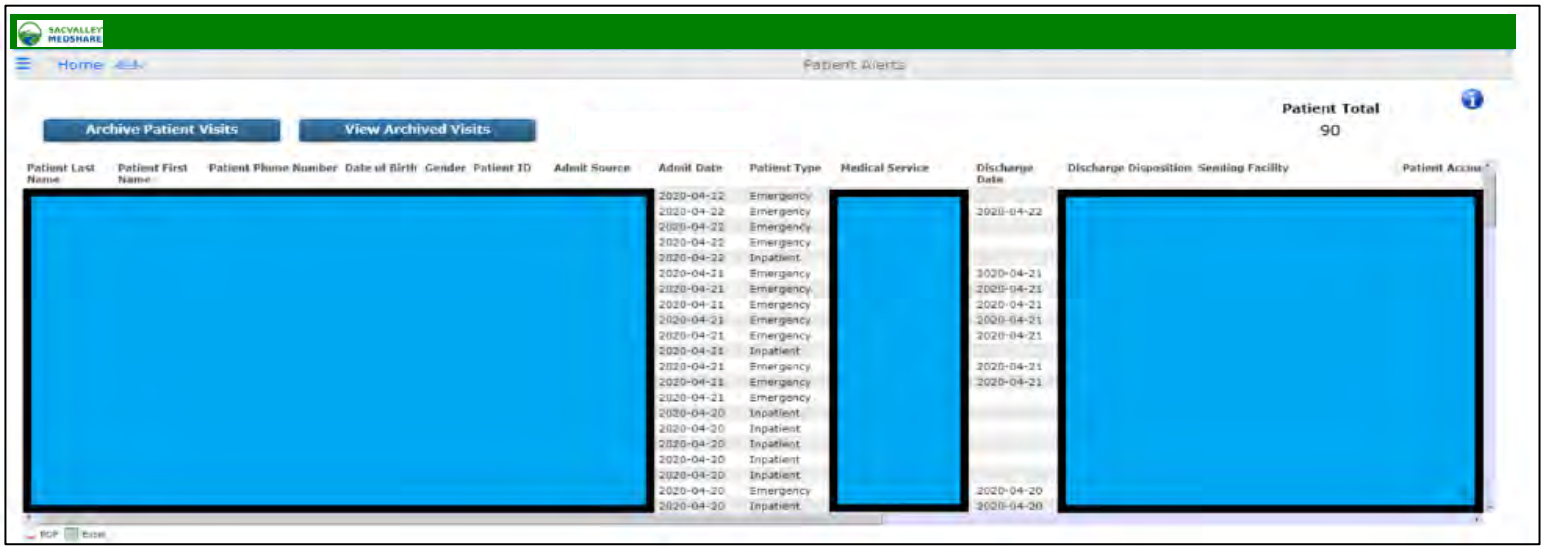
ALERTS

Know when your patient has a visit somewhere else in real-time!

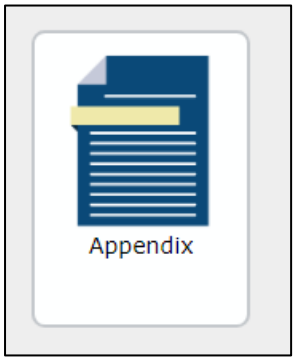
Starting in Spring of 2021 (twelve months after the publication of the final rule), CMS's Medicare CoPs for hospitals and CAHs will require that they send electronic patient ADT event notifications to other health care facilities or community providers.

Alerting reduces readmissions (inside and outside of your system) and avoidable ED visits, improves the quality of care for at-risk patients during transitions of care, and reduces overall healthcare costs.

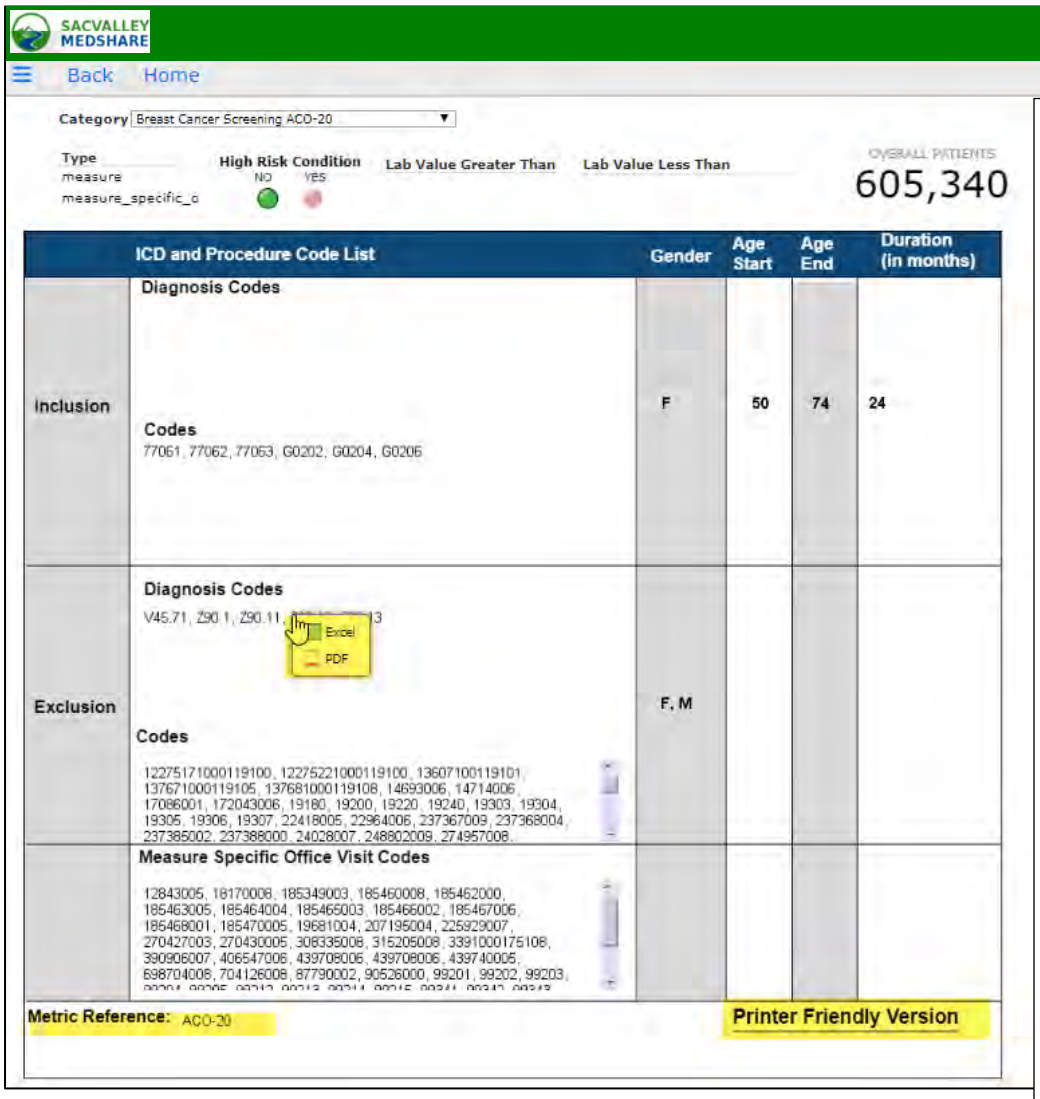
- The AcuteAlerts notification includes the patient's name, the treating provider's name, sending institution's name and admit, transfer and discharge date and time, meeting CoP requirements.
- The AcuteAlerts is sent electronically to the patient's care provider/practice, applicable post-acute care provider, or other providers identified by the patient.
- Provider(s) are notified by email that they have received an AcuteAlerts for their patient. They are directed to a secure website to view the patient information. The Admission, Discharge and Transfer (ADT) feed from the hospital is utilized to electronically identify patients and alert their providers.
- AcuteAlerts provides the alerts in near real-time by leveraging existing capabilities in the SacValley MedShare health information exchange platform.
- AcuteAlerts inform transitions of care in clinical workflow, so care teams can proactively engage and monitor patients after they are discharged from the hospital or admitted to an ER.
- Alerts can be delivered to a patient's established PCP, established primary care practice group, or other practitioners/groups identified by the patient as primarily responsible for his or her care.



APPENDIX TILE



Appendix provides brief reference and description of criteria used for each condition and measure reported on the various dashboards.



Example from Appendix of criteria for ACO 20 Breast Cancer Screening.

Inclusion Criteria: CPT and HCPCS codes for Screening Mammograms

Females, ages 50-74

Duration: Every 24 months

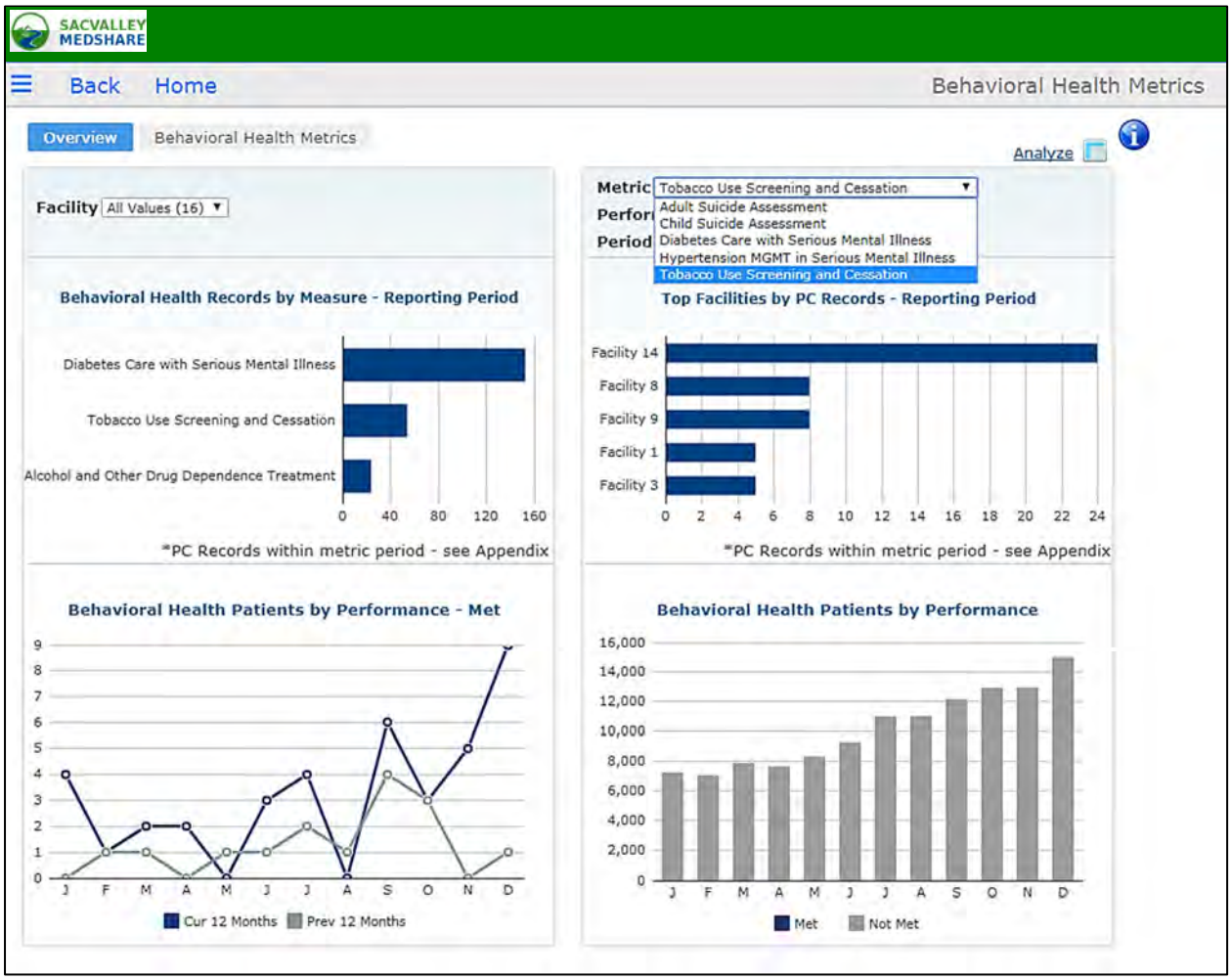
Exclusion criteria lists codes for Breast Cancer, previous breast surgeries.

Printer Friendly Version available in PDF or Excel

Code export available in each section via mouse click

Metric Reference lists source for standards and codes.

BEHAVIORAL HEALTH



Behavioral Health measures are structured to track screenings for patients with serious mental illness conditions of bipolar disorder, schizophrenia, and depression. Each measure has specific requirements available for review in the Appendix.

Performance displays three categories of calculation.

Met - The patient has fallen into both the numerator and denominator requirements including any office visit criteria.

Not Met - The patient meets the denominator criteria and has eligible office visits during the measurement period, but no evidence of the screening completed.

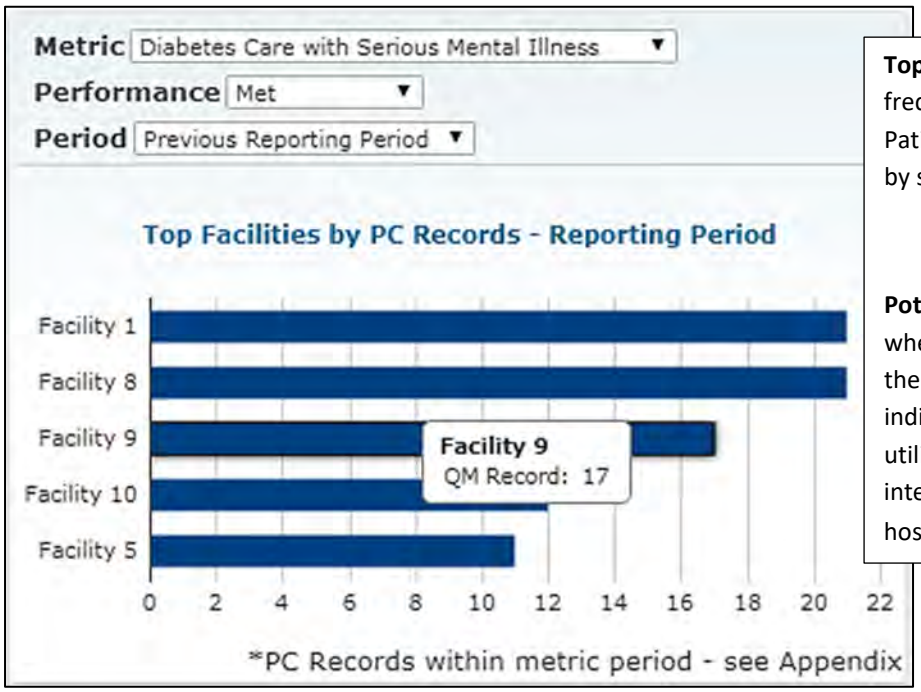
Unreported - The patient meets requirements for the metric, but does **not** have the required office visit.

Period identifies the reported timeframe.

Current - This is the current calendar year.

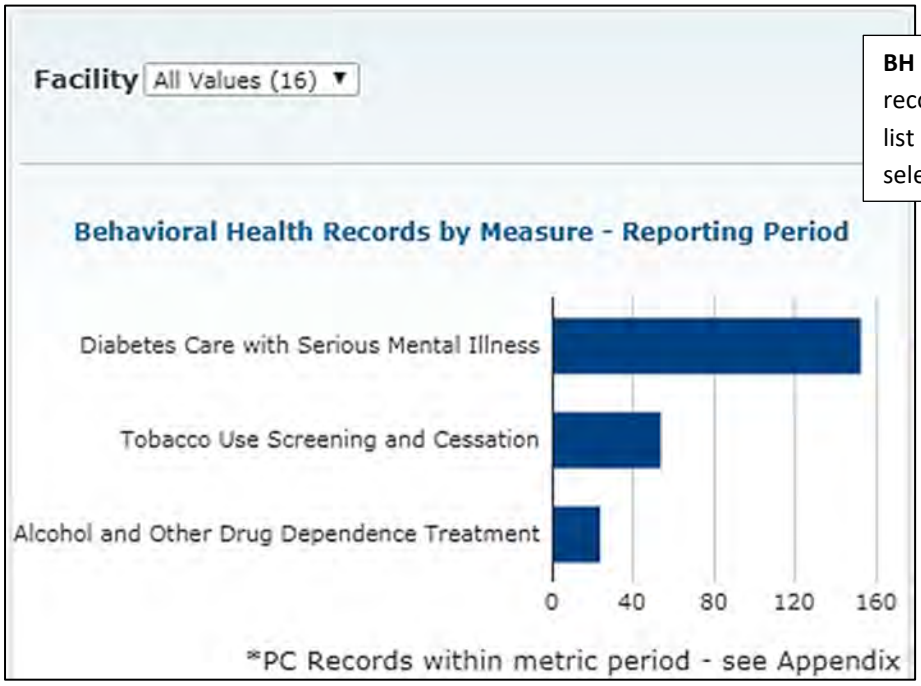
Previous - This is the previous calendar year.

Historical - This is anything prior to the 'Previous Reporting Period' time frame



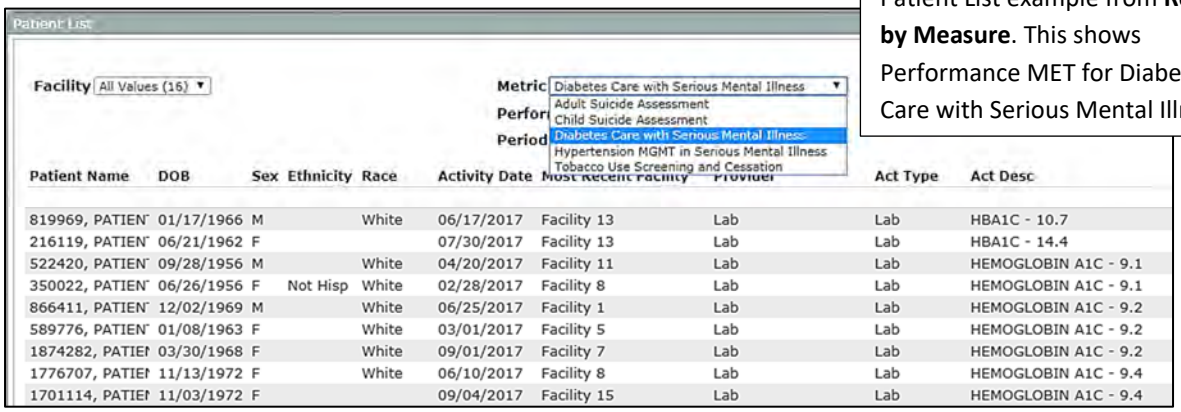
Top Facility by Records display most frequent facility for a single measure. Patient list detail for each is obtained by selecting bar on chart.

Potential Use: Facilities may see where their patients have completed their procedures. It can provide an indication of referral patterns and utilization and may be of particular interest to integrated network of hospital and physician clinics.

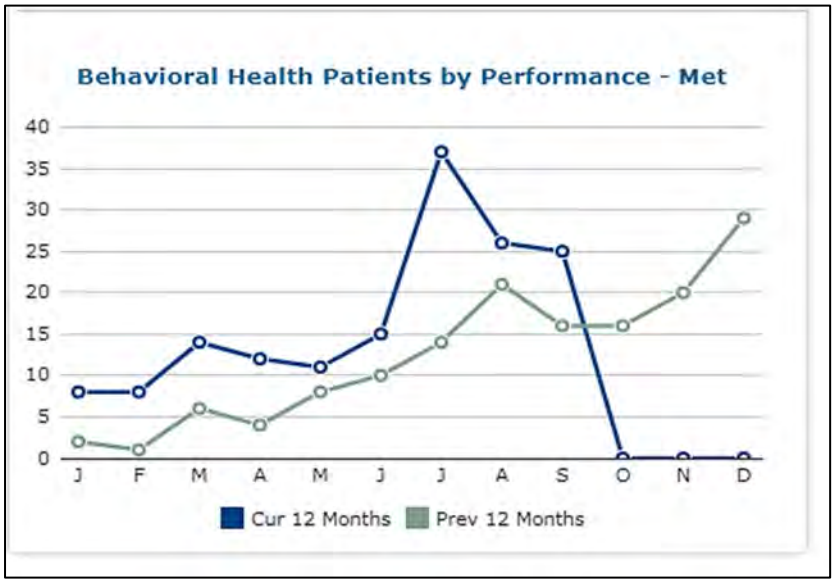


BH Records by Measure display records for a single measure. Patient list detail for each is obtained by selecting bar on chart.

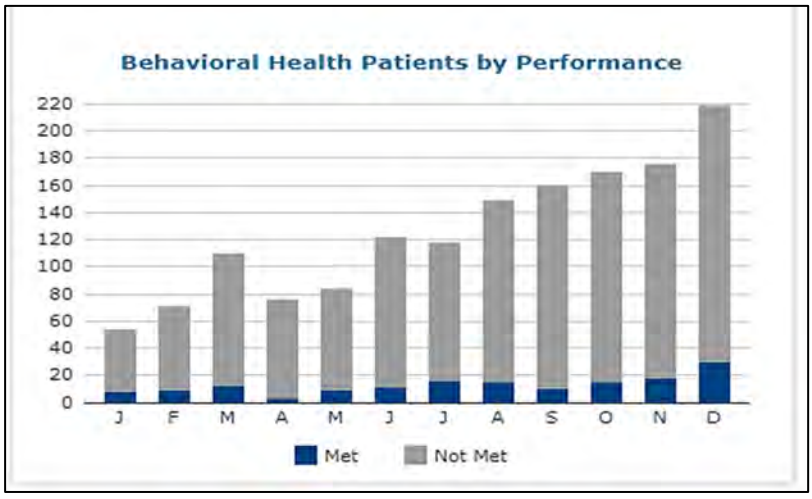
Patient List example from **Records by Measure**. This shows Performance MET for Diabetes Care with Serious Mental Illness



Patient Name	DOB	Sex	Ethnicity	Race	Activity Date	Most Recent Facility	Provider	Act Type	Act Desc
819969, PATIEN	01/17/1966	M		White	06/17/2017	Facility 13	Lab	Lab	HBA1C - 10.7
216119, PATIEN	06/21/1962	F			07/30/2017	Facility 13	Lab	Lab	HBA1C - 14.4
522420, PATIEN	09/28/1956	M		White	04/20/2017	Facility 11	Lab	Lab	HEMOGLOBIN A1C - 9.1
350022, PATIEN	06/26/1956	F	Not Hisp	White	02/28/2017	Facility 8	Lab	Lab	HEMOGLOBIN A1C - 9.1
866411, PATIEN	12/02/1969	M		White	06/25/2017	Facility 1	Lab	Lab	HEMOGLOBIN A1C - 9.2
589776, PATIEN	01/08/1963	F		White	03/01/2017	Facility 5	Lab	Lab	HEMOGLOBIN A1C - 9.2
1874282, PATIEI	03/30/1968	F		White	09/01/2017	Facility 7	Lab	Lab	HEMOGLOBIN A1C - 9.2
1776707, PATIEI	11/13/1972	F		White	06/10/2017	Facility 8	Lab	Lab	HEMOGLOBIN A1C - 9.4
1701114, PATIEI	11/03/1972	F			09/04/2017	Facility 15	Lab	Lab	HEMOGLOBIN A1C - 9.4



Trend line comparison between current and previous years



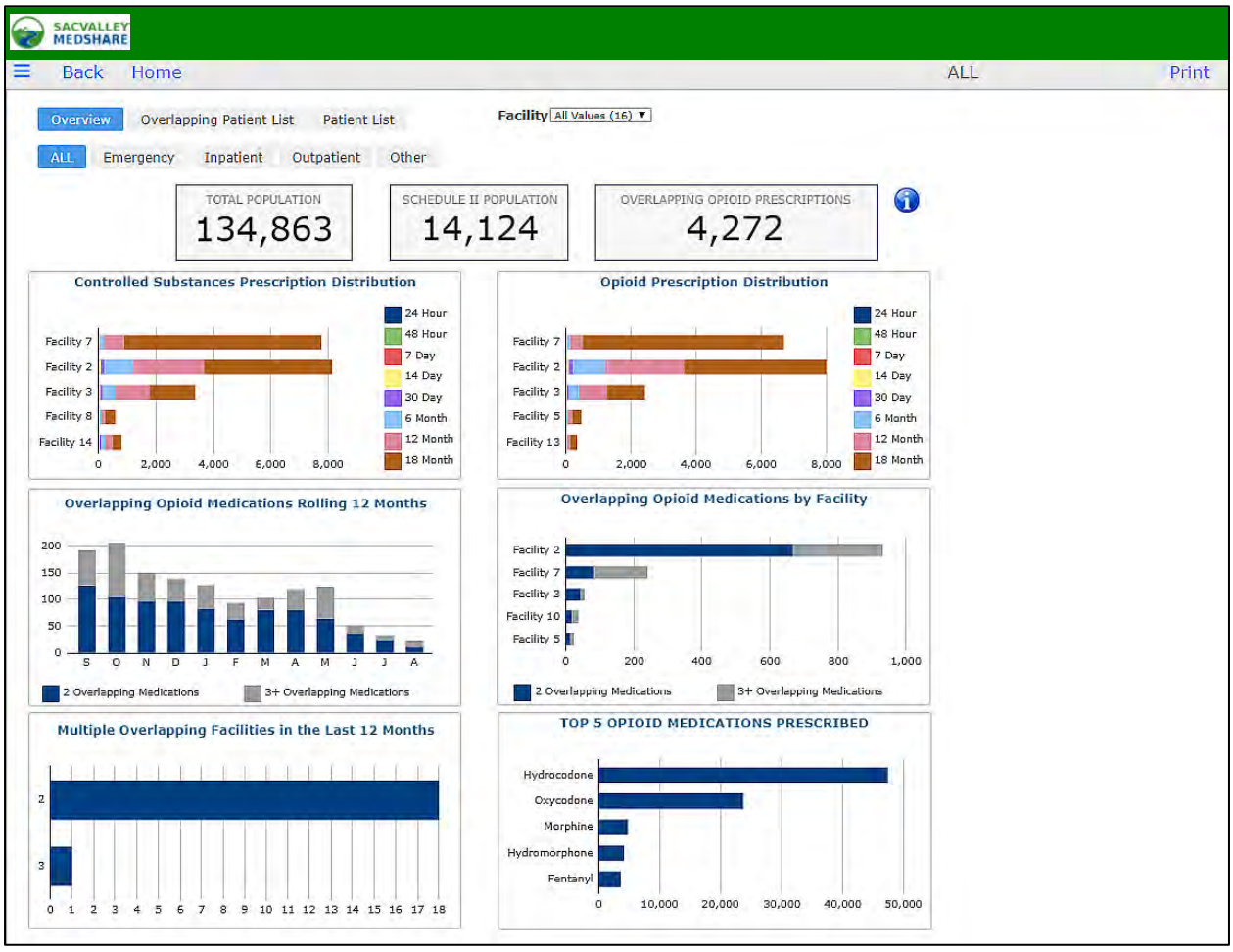
Displays eligible office visits performance month to month current year.

View of the patient detail report from the BH Patients by Performance chart. It lists patient names, date of birth and office visit date with visit description and location. Performance Met compliance require patients have an eligible face to face encounter during the measurement period in addition to the appropriate screening or assessments.

Patient Name	DOB	Sex	Ethnicity	Race	Performance	Office Visit Date	Visit Desc	Office Visit Facility
186075, PATIEN	03/30/1994	F		White	Met	08/04/2017	Office or other outpatient visit	Facility 6
258215, PATIEN	06/25/1996	M		White	Met	08/18/2017	Office/outpatient visit, est, lev	Facility 2
421195, PATIEN	03/18/2000	F			Met	08/13/2017	Office or other outpatient visit	Facility 2
485252, PATIEN	02/16/1953	F		White	Met	08/21/2017	Office/outpatient visit, est, lev	Facility 12
547610, PATIEN	01/08/1995	F		White	Met	08/04/2017	Office or other outpatient visit	Facility 15
1654625, PATIEI	11/06/1964	M		White	Met	08/28/2017	Office or other outpatient visit	Facility 7
1659820, PATIEI	02/05/1963	M		White	Met	08/28/2017	Office/outpatient visit, est, lev	Facility 2
1746800, PATIEI	12/19/1994	M			Met	08/28/2017	Office or other outpatient visit	Facility 4
2000648, PATIEI	08/08/1981	F			Met	08/07/2017	Office or other outpatient visit	Facility 6
2046816, PATIEI	04/18/1988	F		White	Met	08/20/2017	Office/outpatient visit, est, lev	Facility 1
2502226, PATIEI	09/13/1995	F		White	Met	08/14/2017	Office or other outpatient visit	Facility 10

Filter options include Facility, Month, and Office Visit Facility.

CONTROLLED SUBSTANCES



CONTROLLED SUBSTANCES

The Controlled Substances Dashboard is a collection of pages that display medications ordered and administered to the client population. The medications displayed are separated by **Controlled Substances** and Opioid **Medications.** Tabs for Emergency, Inpatient, Outpatient and Other filter the views based on patient visit type. Default is **All** visit types.

Total Population: the number of patients in the client population.
Schedule II Population: the number of patients in the client population who have received at least one medication (ordered or administered) in the Controlled Substances category.
Overlapping Opioid Prescriptions: the number of patients in the client population who have received Opioid medications (ordered or administered) that overlap each other.

Eligible Opioid Medication Names

Any Medications that contain one of these values is considered as an Opioid Medication.

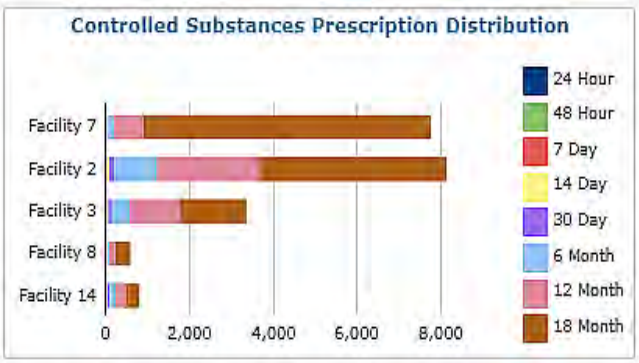
-morphine -methadone -codeine -meperidine -opium -oxycodone -hydromorphone -fentanyl

Eligible Controlled Substance Names

Any Medications that contain one of these values is considered a Controlled Substance, in addition to the Opioid Medications listed.

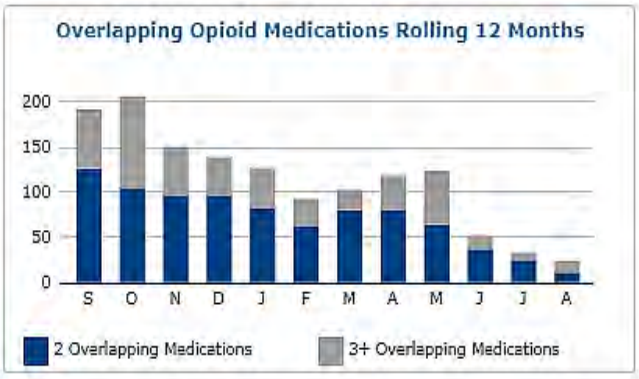
- amphetamine
- methamhetamine
- methylphenidate
- cocaine
- amobarbital
- glutethimide
- pentobarbital

Chart Overviews



Controlled Substances Prescription Distribution

Breaks out the Controlled Substances medication distribution by Facility and Date Range.

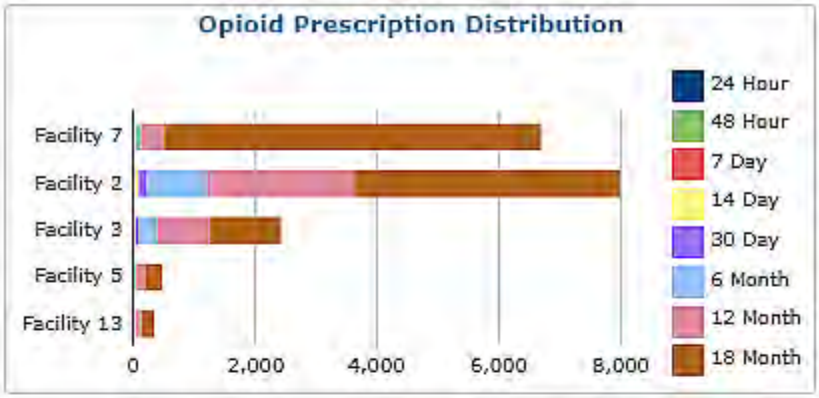


Overlapping Opioid Medications Rolling 12 Months

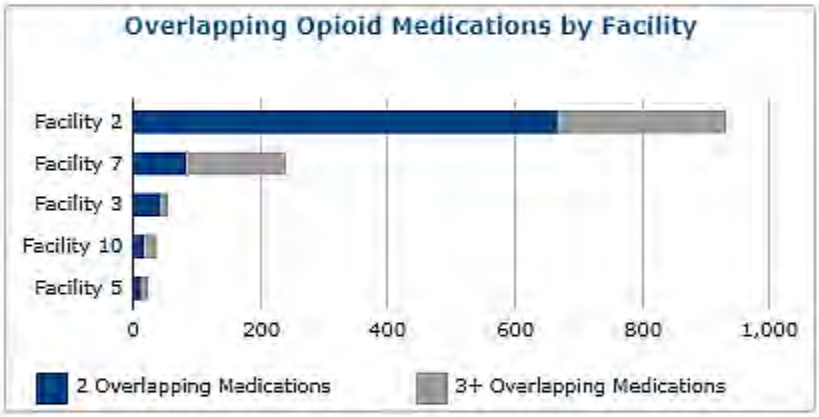
Shows a distribution of the Overlapping Opioid Medication populations broken down by the rolling 12 months.

Multiple Overlapping Facilities in last 12 Months

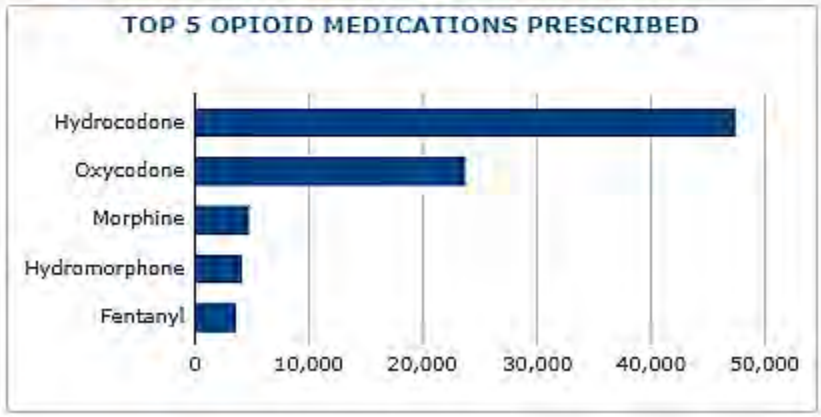
Shows Number of patients with medications from multiple facilities within past 12 months.



Opioid Prescription Distribution: breaks out the Opioid medication distribution by Facility and Date Range of prescription.



Overlapping Opioid Medications by Facility: shows a distribution of the Overlapping Opioid Medication populations broken down by Facility

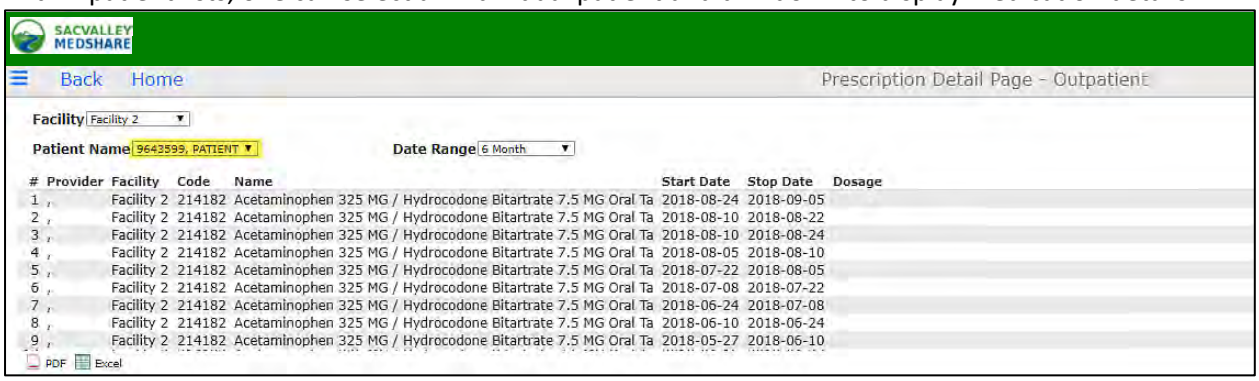


TOP 5 OPIOID MEDICATIONS PRESCRIBED: shows a distribution of the top Opioid medications administered by the client.

Consistent with all dashboard charts, clicking within a chart summary opens a patient specific list. Fields displayed depend on the parameters used in the summary display.

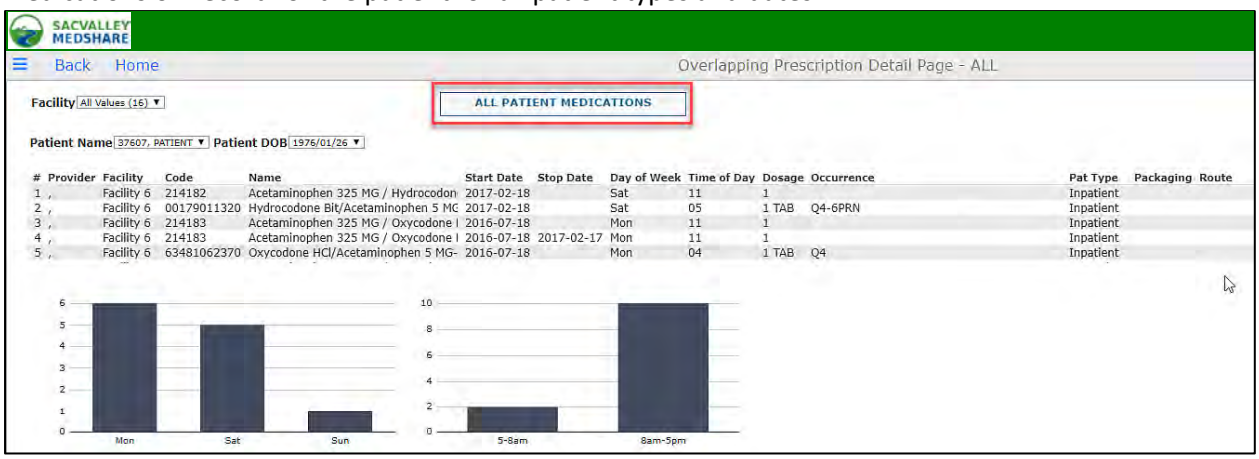
#	Name	DOB	Sex	Ethnicity	Race	Facility	# of Prescriptions/Administered
81							302
1	1977380, PATIENT	03/19/1968	F	Not Hisp	Black or	Facility 2	35
1	3788380, PATIENT	08/16/1950	M			Facility 2	17
1	9643599, PATIENT	05/25/1957	M			Facility 2	15
1	1665369, PATIENT	12/03/1941	M			Facility 2	14
1	4146494, PATIENT	11/08/1934	F		White	Facility 2	13
1	729942, PATIENT	04/02/1973	F	Not Hisp	Black or	Facility 2	12
1	4054981, PATIENT	11/11/1976	M			Facility 2	10
1	3617090, PATIENT	10/20/1964	F			Facility 2	9
1	682502, PATIENT	03/01/1976	F			Facility 2	8
1	4235386, PATIENT	01/12/1954	M		White	Facility 2	8
1	846567, PATIENT	06/04/1961	F	Not Hisp	Black or	Facility 2	7
1	4613291, PATIENT	10/11/1967	F			Facility 2	7

Within patient lists, one can select an individual patient and drill down to display medication details.

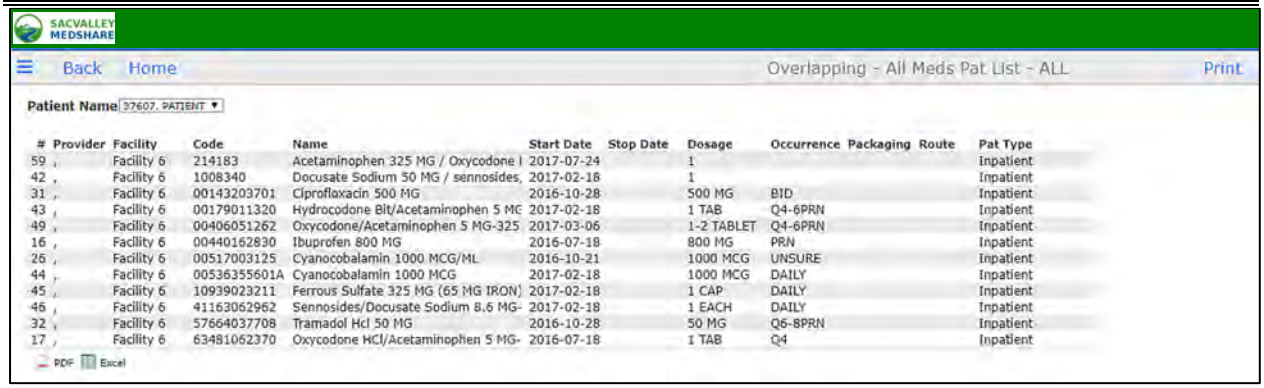


#	Provider	Facility	Code	Name	Start Date	Stop Date	Dosage
1	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-08-24	2018-09-05	
2	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-08-10	2018-08-22	
3	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-08-10	2018-08-24	
4	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-08-05	2018-08-10	
5	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-07-22	2018-08-05	
6	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-07-08	2018-07-22	
7	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-06-24	2018-07-08	
8	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-06-10	2018-06-24	
9	,	Facility 2	214182	Acetaminophen 325 MG / Hydrocodone Bitartrate 7.5 MG Oral Ta	2018-05-27	2018-06-10	

Selection of the All Patient Medication button, available in the Overlapping Patient List, displays all medications on record for the patient for all patient types and dates.



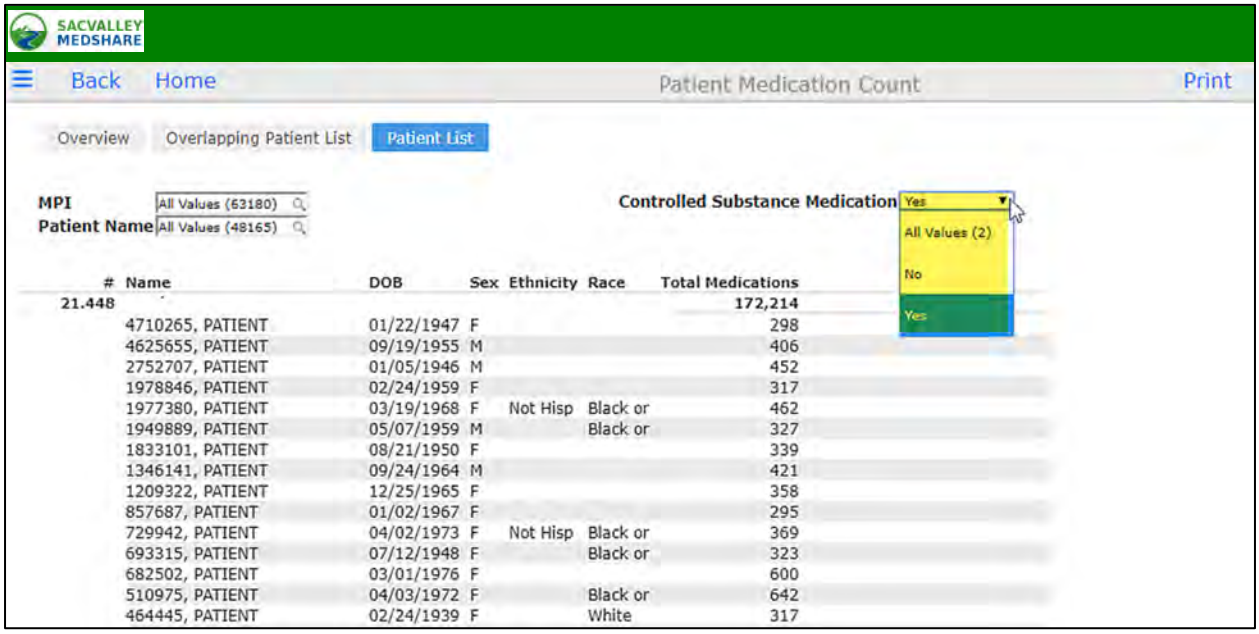
#	Provider	Facility	Code	Name	Start Date	Stop Date	Day of Week	Time of Day	Dosage	Occurrence	Pat Type	Packaging	Route
1	,	Facility 6	214182	Acetaminophen 325 MG / Hydrocodon	2017-02-18		Sat	11	1		Inpatient		
2	,	Facility 6	00179011320	Hydrocodone Bit/Acetaminophen 5 MG	2017-02-18		Sat	05	1 TAB	Q4-6PRN	Inpatient		
3	,	Facility 6	214183	Acetaminophen 325 MG / Oxycodone I	2016-07-18		Mon	11	1		Inpatient		
4	,	Facility 6	214183	Acetaminophen 325 MG / Oxycodone I	2016-07-18	2017-02-17	Mon	11	1		Inpatient		
5	,	Facility 6	63481062370	Oxycodone HCl/Acetaminophen 5 MG-	2016-07-18		Mon	04	1 TAB	Q4	Inpatient		



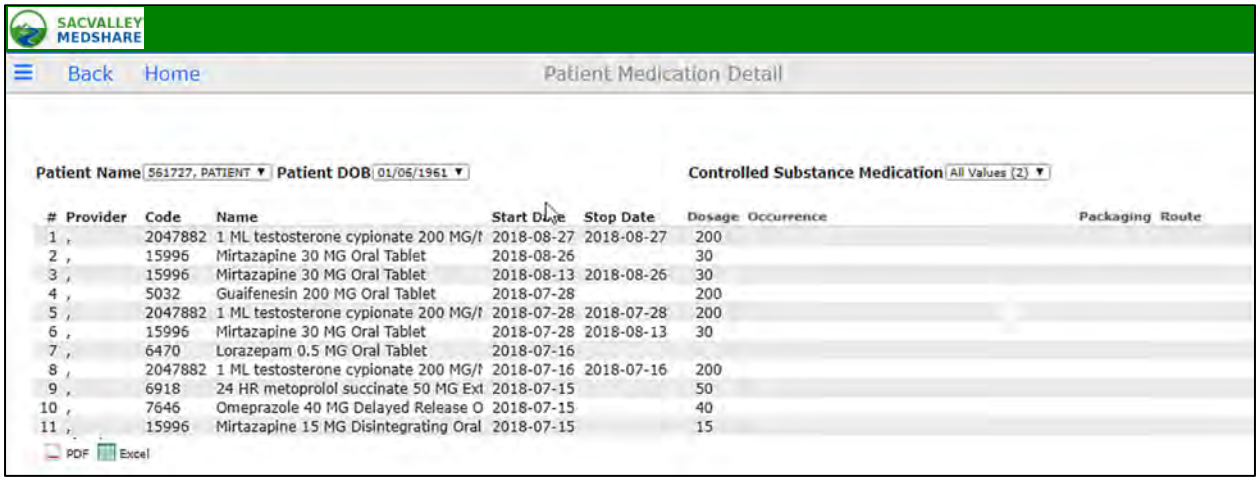
#	Provider	Facility	Code	Name	Start Date	Stop Date	Dosage	Occurrence	Packaging	Route	Pat Type
59	,	Facility 6	214183	Acetaminophen 325 MG / Oxycodone I	2017-07-24		1				Inpatient
42	,	Facility 6	1008340	Docusate Sodium 50 MG / sennosides,	2017-02-18		1				Inpatient
31	,	Facility 6	00143203701	Ciprofloxacin 500 MG	2016-10-28		500 MG	BID			Inpatient
43	,	Facility 6	00179011320	Hydrocodone Bit/Acetaminophen 5 MG	2017-02-18		1 TAB	Q4-6PRN			Inpatient
49	,	Facility 6	00406051262	Oxycodone/Acetaminophen 5 MG-325	2017-03-06		1-2 TABLET	Q4-6PRN			Inpatient
16	,	Facility 6	00440162830	Ibuprofen 800 MG	2016-07-18		800 MG	PRN			Inpatient
26	,	Facility 6	00517003125	Cyanocobalamin 1000 MCG/ML	2016-10-21		1000 MCG	UNSURE			Inpatient
44	,	Facility 6	00536355601A	Cyanocobalamin 1000 MCG	2017-02-18		1000 MCG	DAILY			Inpatient
45	,	Facility 6	10939023211	Ferrous Sulfate 325 MG (65 MG IRON)	2017-02-18		1 CAP	DAILY			Inpatient
46	,	Facility 6	41163062962	Sennosides/Docusate Sodium 8.6 MG-	2017-02-18		1 EACH	DAILY			Inpatient
32	,	Facility 6	57664037708	Tramadol Hcl 50 MG	2016-10-28		50 MG	Q6-8PRN			Inpatient
17	,	Facility 6	63481062370	Oxycodone HCl/Acetaminophen 5 MG-	2016-07-18		1 TAB	Q4			Inpatient

PDF Excel

Patient List Tab provides option to search by patient name to view all medication history, controlled substances only, or non-controlled substance medications.



#	Name	DOB	Sex	Ethnicity	Race	Total Medications
21,448						172,214
	4710265, PATIENT	01/22/1947	F			298
	4625655, PATIENT	09/19/1955	M			406
	2752707, PATIENT	01/05/1946	M			452
	1978846, PATIENT	02/24/1959	F			317
	1977380, PATIENT	03/19/1968	F	Not Hisp	Black or	462
	1949889, PATIENT	05/07/1959	M		Black or	327
	1833101, PATIENT	08/21/1950	F			339
	1346141, PATIENT	09/24/1964	M			421
	1209322, PATIENT	12/25/1965	F			358
	857687, PATIENT	01/02/1967	F			295
	729942, PATIENT	04/02/1973	F	Not Hisp	Black or	369
	693315, PATIENT	07/12/1948	F		Black or	323
	682502, PATIENT	03/01/1976	F			600
	510975, PATIENT	04/03/1972	F		Black or	642
	464445, PATIENT	02/24/1939	F		White	317

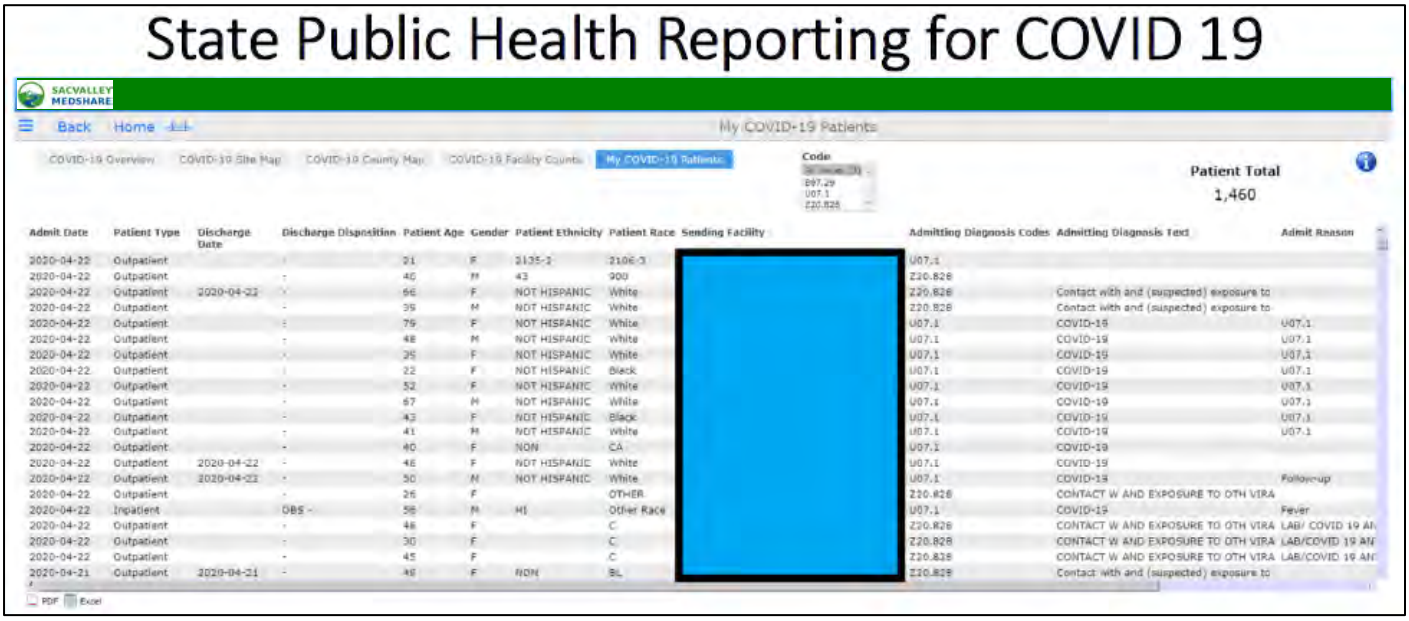


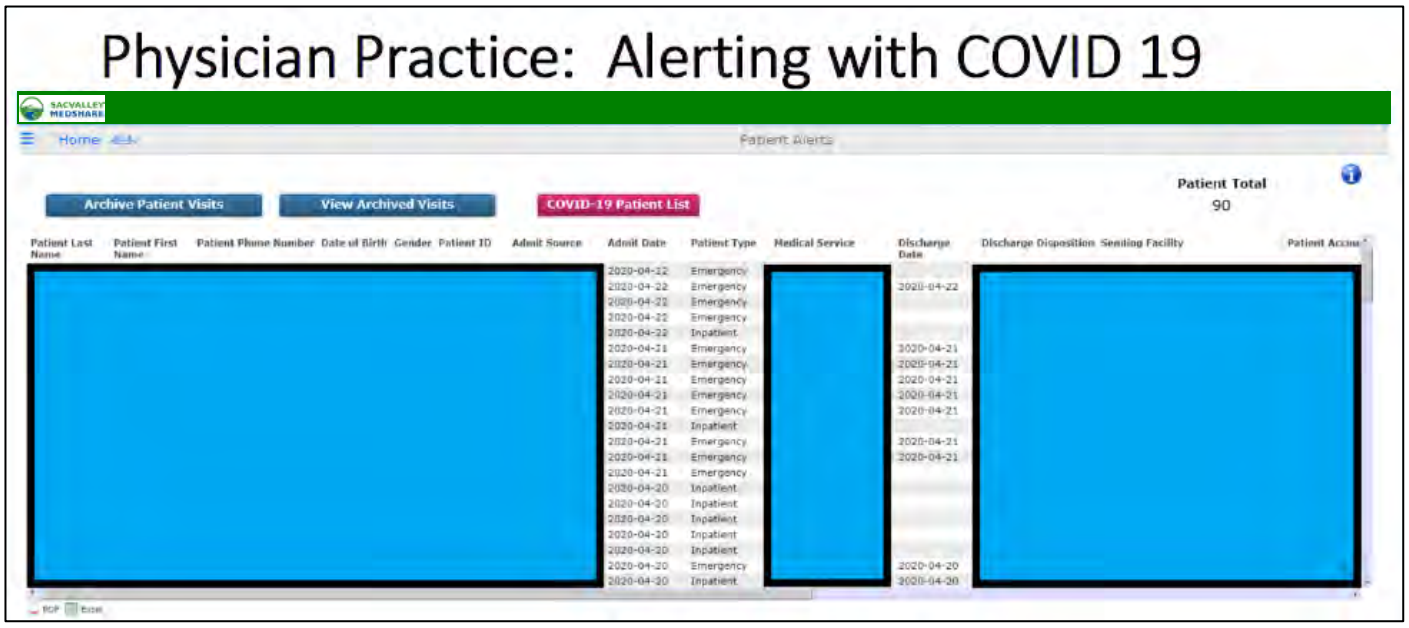
#	Provider	Code	Name	Start Date	Stop Date	Dosage	Occurrence	Packaging	Route
1	,	2047882	1 ML testosterone cypionate 200 MG/I	2018-08-27	2018-08-27	200			
2	,	15996	Mirtazapine 30 MG Oral Tablet	2018-08-26		30			
3	,	15996	Mirtazapine 30 MG Oral Tablet	2018-08-13	2018-08-26	30			
4	,	5032	Guaifenesin 200 MG Oral Tablet	2018-07-28		200			
5	,	2047882	1 ML testosterone cypionate 200 MG/I	2018-07-28	2018-07-28	200			
6	,	15996	Mirtazapine 30 MG Oral Tablet	2018-07-28	2018-08-13	30			
7	,	6470	Lorazepam 0.5 MG Oral Tablet	2018-07-16					
8	,	2047882	1 ML testosterone cypionate 200 MG/I	2018-07-16	2018-07-16	200			
9	,	6918	24 HR metoprolol succinate 50 MG Ext	2018-07-15		50			
10	,	7646	Omeprazole 40 MG Delayed Release O	2018-07-15		40			
11	,	15996	Mirtazapine 15 MG Disintegrating Oral	2018-07-15		15			

PDF Excel

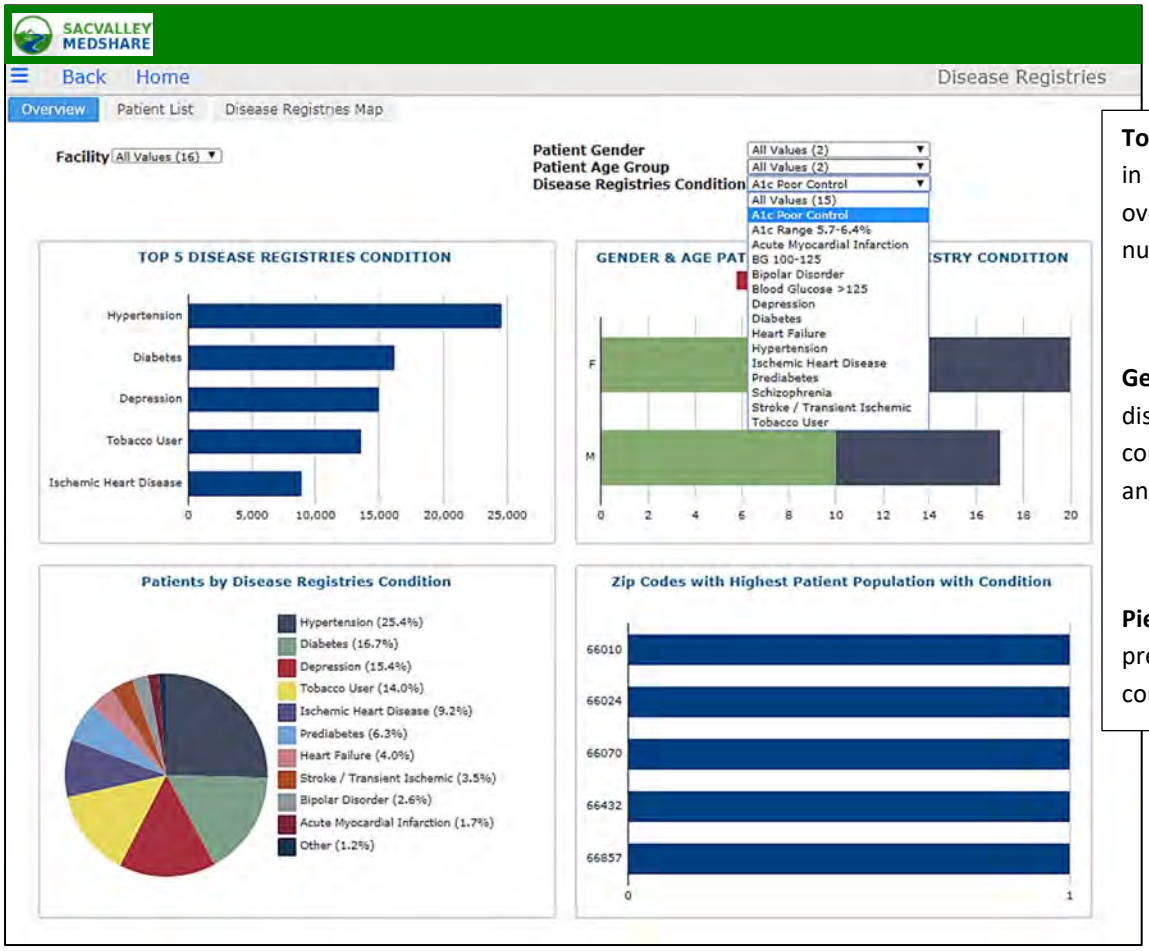
COVID-19

The COVID tile allows for drilling down into your patient's or your county's population with COVID giving granular details into each patient and/or area as long as the user's access allows for that type of information.





DISEASE REGISTRIES



Top 5 Conditions: Display in descending order. Hover over provides summary number of patients.

Gender and Age: Displays distribution for selected condition. Filter by gender and 4 age ranges.

Pie Chart: Displays the prevalence of the disease conditions in the client

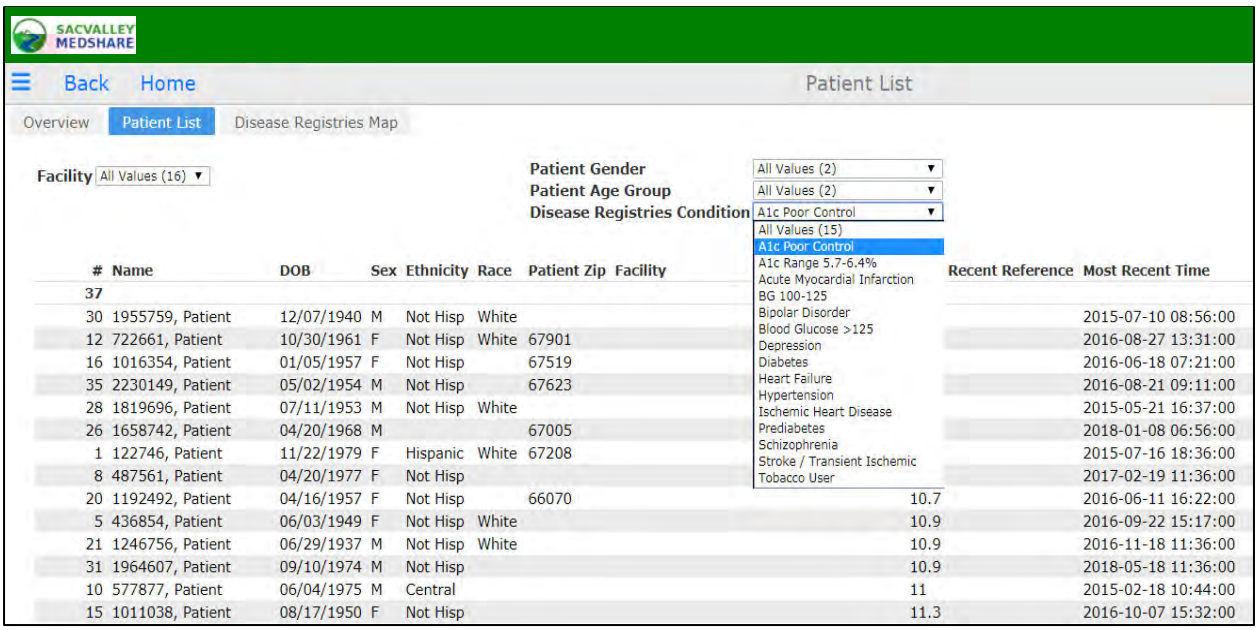
Disease registries display a list of patients in the population that meet the defined criteria. **This differs from High Risk** patients in that patients on this list may have only 1 condition and no Emergency Department activity.

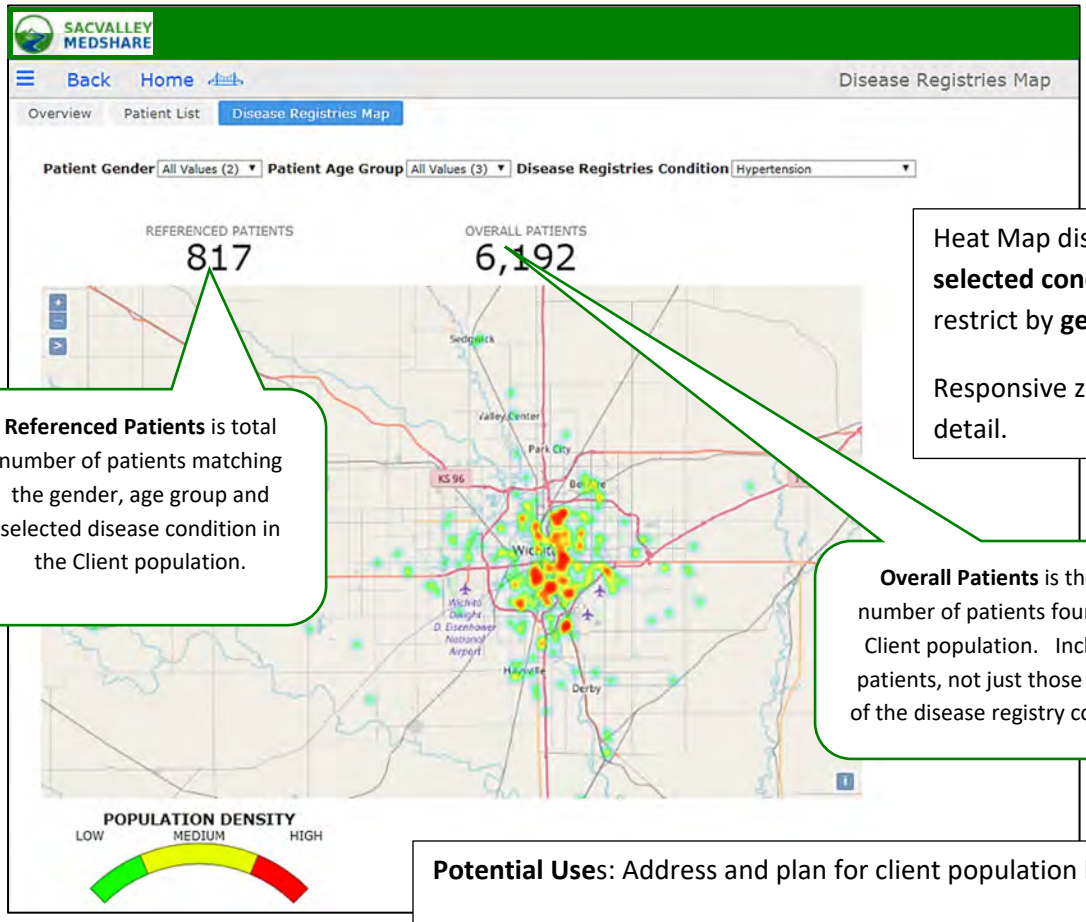
Potential Use: Identify high population with certain high risk or "at risk" diagnoses or lab values. Currently criteria are listed in the selections. See the Appendix for ranges of codes.

1. **A1c Poor Control** are patients with a **diagnosis of Diabete**s and a lab value for **Hemoglobin A1c that is 9% or greater.**
2. **A1c Range 5.7-6.4%** criteria is patients **without Diabetes** and a **lab value of Hemoglobin A1c** in the defined range. It identifies "at risk" patients.
3. **Acute Myocardial Infarction** lists patients treated with a **diagnosis of Acute MI** as defined on the Appendix.

4. **BG 100-125** lists patients who are **not diabetic** and have a **blood glucose** within the 100-125 mg/dl range, another "at risk" for diabetes indicator.
5. **BG>125** displays **non-diabetic patients** with **blood glucose higher than 125 mg/dl** . Potentially at even higher "risk" for diabetes.
6. **Diabetes:** All patients in population with **diagnosis of Diabetes.**
7. **Heart Failure:** Patients identified with diagnosis of **Heart Failure** (see Appendix for specific codes)
8. **Hypertension:** Patients identified with **Essential Hypertension**
9. **Ischemic Heart Disease:** Patients diagnosed with **ischemic heart disease** condition.
10. **Pre diabetes:** List of patients who were diagnosed with certain **Pre-Diabetic diagnoses**, Impaired Glucose
11. **Stroke Transient Ischemic Attack (TIA):** Those with a diagnosed condition of **Stroke or TIA i**n the patient population.
12. **Tobacco User:** Those with a confirmed diagnosis of Tobacco Use (does not include counseling).
13. **Bipolar Disorder:** Patients diagnosed with Bipolar **Disorder.**
14. **Schizophrenia:** patients in population diagnosed with **Schizophrenia.**

Patient Lists for each condition may be generated from the charts, selection from the available filters or use of the Patient List tab.





Referenced Patients is total number of patients matching the gender, age group and selected disease condition in the Client population.

Heat Map display of patients with **selected conditions**. **Options** to restrict by **gender and age**.

Responsive zoom to street level detail.

Overall Patients is the total number of patients found in the Client population. Includes all patients, not just those with any of the disease registry conditions.

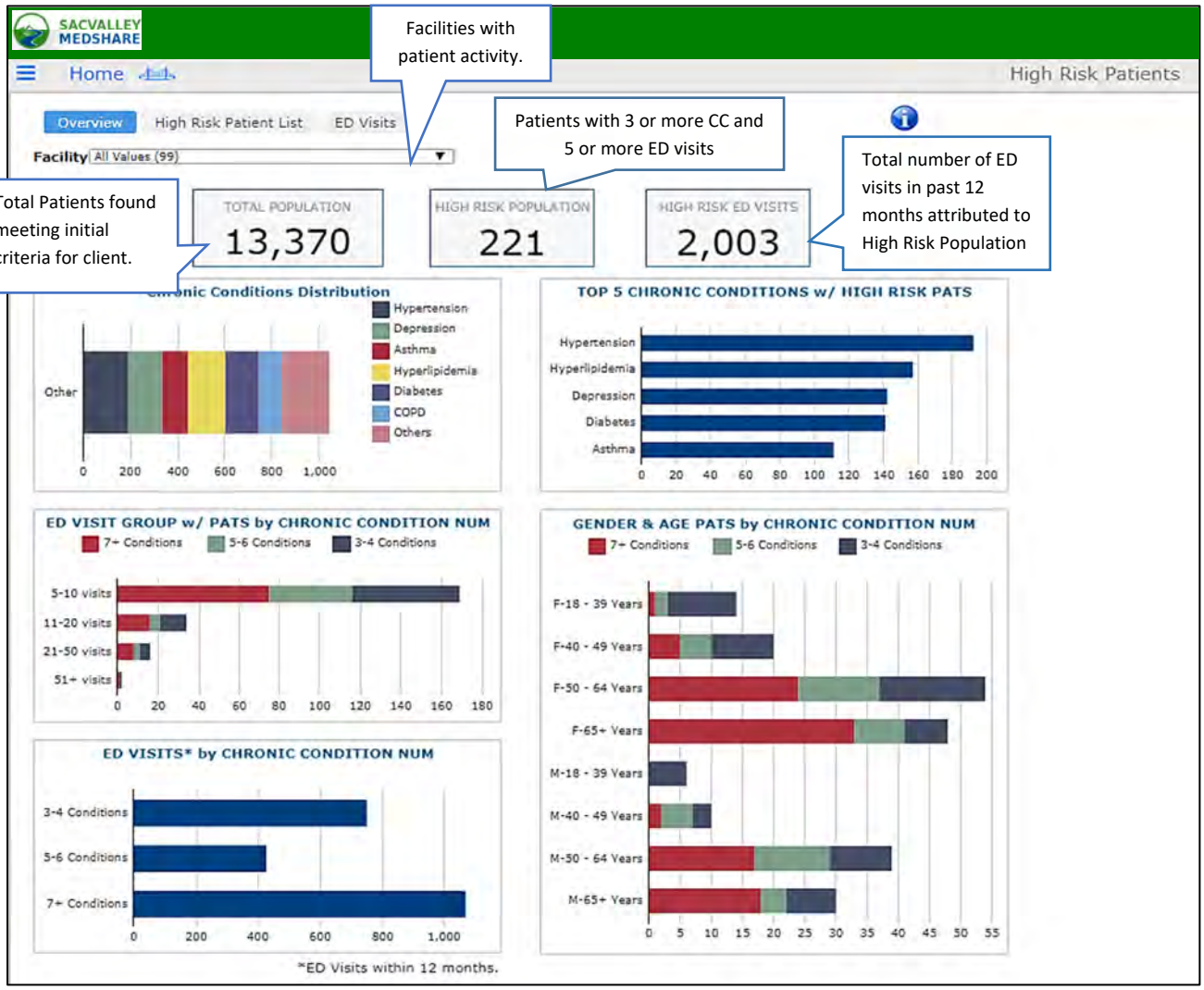
Potential Uses: Address and plan for client population health needs

Identify geographic area for specific disease clusters.

Tool to identify locations for service needs and/or expansion.

HIGH RISK PATIENTS

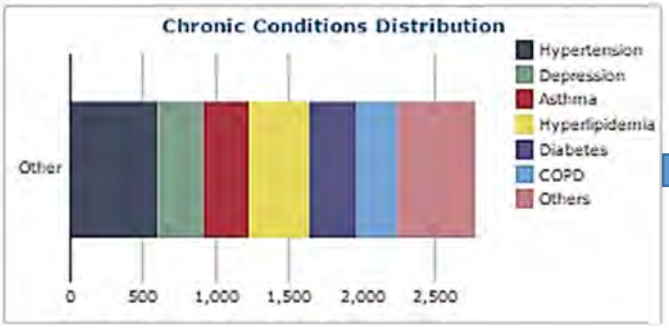
High Risk Patient population: Those with 3 or more Chronic Disease Conditions AND 5 or more visits to ED in past 12 mos.



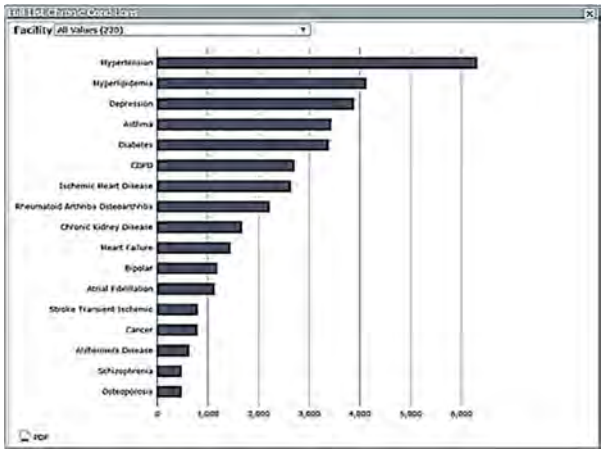
A CMS list of 27 chronic conditions is the reference. Hospital and clinic pilot participants helped refine the conditions down to the 17 displayed on dashboards. https://www.ccwdata.org/web/guest/condition-categories

- Alzheimer's Disease
- Asthma
- Atrial Fibrillation
- Bipolar Disorder
- Cancer
- Chronic Kidney Disease
- COPD
- Depression
- Diabetes
- Heart Failure
- Hyperlipidemia
- Ischemic Heart Disease
- Osteoporosis
- Rheumatoid/Osteoarthritis
- Schizophrenia
- Stroke/Transient Ischemic Attack

PURPOSE: High Risk Patient dashboard identifies patients that could be considered most at risk for poor health outcomes, high resource utilization and in need of care coordination and management.



Chronic Conditions Distribution shows distribution of chronic conditions by color code. Hover over individual bar provides specific number of patients with that condition. Numbers will be greater than the number of patients due to multiple conditions/patient.



Clicking on any bar from the Chronic Conditions color chart opens a distribution of chronic diseases in a descending order of frequency for the population. Can be limited to 1 facility to note differences. NOTE: Facility with most recent use of the chronic diagnosis is identified as the source. PDF option available.

Selecting an individual condition from distribution chart opens a **patient list with that chronic condition.** List will retain selection from previous chart or can be filtered by **Facility** and **Chronic Condition** without returning to previous chart. **Total** number of patients with chronic condition displays in upper left of list. Columns are sortable in ascending and descending order by clicking on column headers. **PDF and Excel exports** opens by clicking on icon in lower left.

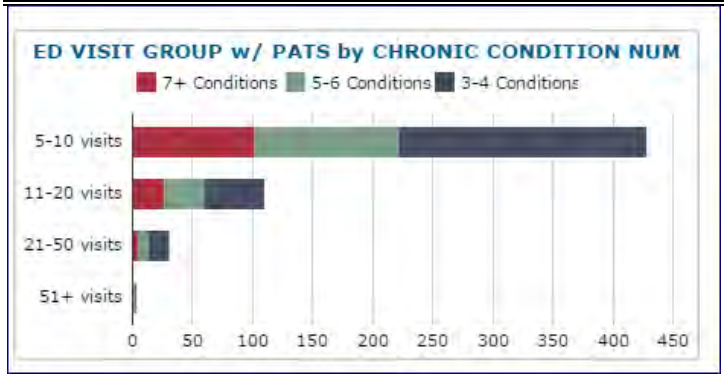
Patient List

Facility All Values (16)

Chronic Condition Hypertension

#	Name	DOB	Sex	Ethnicity	Facility
2,598					
1	8837, Patient	11/15/1981	M	Not Hispanic or Latino	Facility 1
2	9141, Patient	5/16/1995	M	Not Hispanic or Latino	Facility 11
3	9889, Patient	1/21/1989	M	Not Hispanic or Latino	Facility 11
4	10832, Patient	8/12/1980	M	Not Hispanic or Latino	Facility 10
5	10886, Patient	9/16/1983	M	Not Hispanic or Latino	Facility 11
6	11143, Patient	1/9/1981	M	Not Hispanic or Latino	Facility 10
7	17819, Patient	11/18/1955	M	Not Hispanic or Latino	Facility 13
8	18488, Patient	1/25/1931	M	Not Hispanic or Latino	Facility 5
9	22081, Patient	12/6/1979	M	Not Hispanic or Latino	Facility 10
10	22325, Patient	2/25/1973	M	Not Hispanic or Latino	Facility 7
11	22335, Patient	8/8/1981	M	Not Hispanic or Latino	Facility 8
12	23589, Patient	12/4/1934	M	Not Hispanic or Latino	Facility 11
13	29002, Patient	6/10/1988	F	Not Hispanic or Latino	Facility 10
14	29417, Patient	12/19/1978	M	Not Hispanic or Latino	Facility 13
15	32393, Patient	7/5/1962	F	Not Hispanic or Latino	Facility 11
16	38390, Patient	10/19/1982	F	Not Hispanic or Latino	Facility 13
17	40743, Patient	6/16/1935	M	Not Hispanic or Latino	Facility 2
18	41392, Patient	5/15/1984	M	Not Hispanic or Latino	Facility 11
19	42558, Patient	9/9/1985	F	Not Hispanic or Latino	Facility 2
20	44052, Patient	4/18/1964	M	Not Hispanic or Latino	Facility 1
21	44538, Patient	10/2/1925	M	Not Hispanic or Latino	Facility 2
22	44600, Patient	2/26/1967	M	Not Hispanic or Latino	Facility 2
23	44650, Patient	5/19/1921	M	Not Hispanic or Latino	Facility 11

PDF Excel



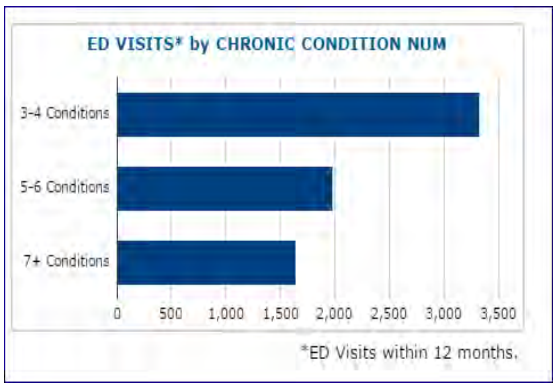
This chart displays association between **number of Chronic Conditions and ED visit ranges.**
Hover over any segment provides breakdown of patients with chronic conditions for that ED range.
Click on bar opens **patient specific list.** Displays total number of patients.
Can filter on number of visits and Number of Chronic Conditions.
Same column sort features, name, DOB, sex.
Export to Excel or PDF

Patient List

ED Visit Group: 5-10 visits

Number of Chronic Conditions Group: All Values (3)

Patient Name	Patient DOB	Sex	Ethnicity	Pat #
				2,209
8837, Patient	11/15/1981	M	Not Hispanic or Latino	1
9141, Patient	05/16/1995	M	Not Hispanic or Latino	1
11143, Patient	01/09/1981	M	Not Hispanic or Latino	1
17819, Patient	11/18/1955	M	Not Hispanic or Latino	1
21629, Patient	10/06/1972	M	Not Hispanic or Latino	1
22081, Patient	12/06/1979	M	Not Hispanic or Latino	1
22325, Patient	02/25/1973	M	Not Hispanic or Latino	1
23589, Patient	12/04/1934	M	Not Hispanic or Latino	1



Similar to ED Visit Group, but shows **total ED visit**s for past 12 months by number of chronic conditions category.
Hover over bar gives total visits.

All ED Facility Report

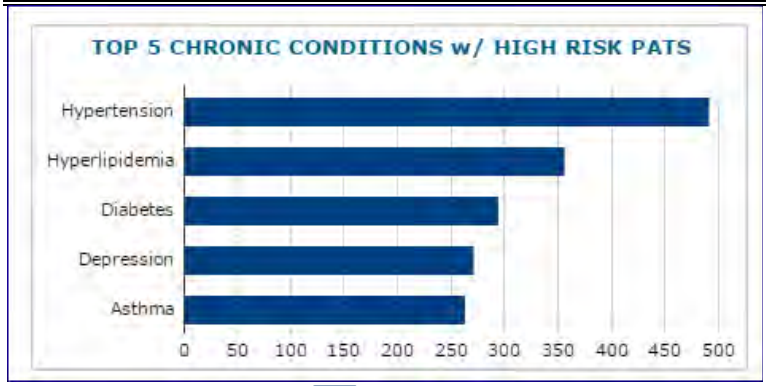
Patient List

Facility: All Values (16)

Number of Chronic Conditions Group: 3-4 Conditions

Name	DOB	Sex	Ethnicity	Facility	Visit #
					17,051
756776, PATIENT	10/06/1980	F	Hispanic or Latino		210
1197817, PATIENT	02/28/1955	M	Hispanic or Latino		195
1539362, PATIENT	11/17/1952	F	Hispanic or Latino		192
1892303, PATIENT	01/01/1988	M	Hispanic or Latino		187
1163430, PATIENT	07/18/1949	M	Hispanic or Latino		185
2248565, PATIENT	05/10/1962	F	Hispanic or Latino		163
2028045, PATIENT	07/27/1987	M	Hispanic or Latino		148
2160680, PATIENT	01/05/1983	F	Not Hispanic or Latino		117

Click on bar within chart opens patient list.
Total number of ED Visits displayed.
Can filter by Facility and Number of Chronic Conditions.
Displays: Name, DOB, sex and **total ED visits for that patient.**
Same column sort features, name, DOB, sex and # visits.



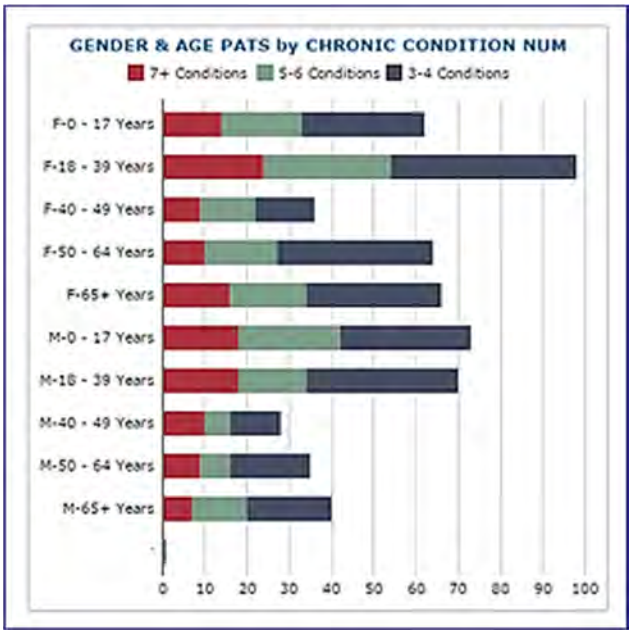
Top 5 Chronic Conditions -frequency of chronic conditions among the High-Risk patients.
Click on bar opens patient list.
Displays: Facility with **most recent use** of that Chronic Diagnosis
Can filter by Facility and/or individual Chronic Condition.
Same column sort features, name, DOB, sex and by Facility
Export to Excel or PDF

Patient List

Facility: All Values (16)
Chronic Condition: Hypertension

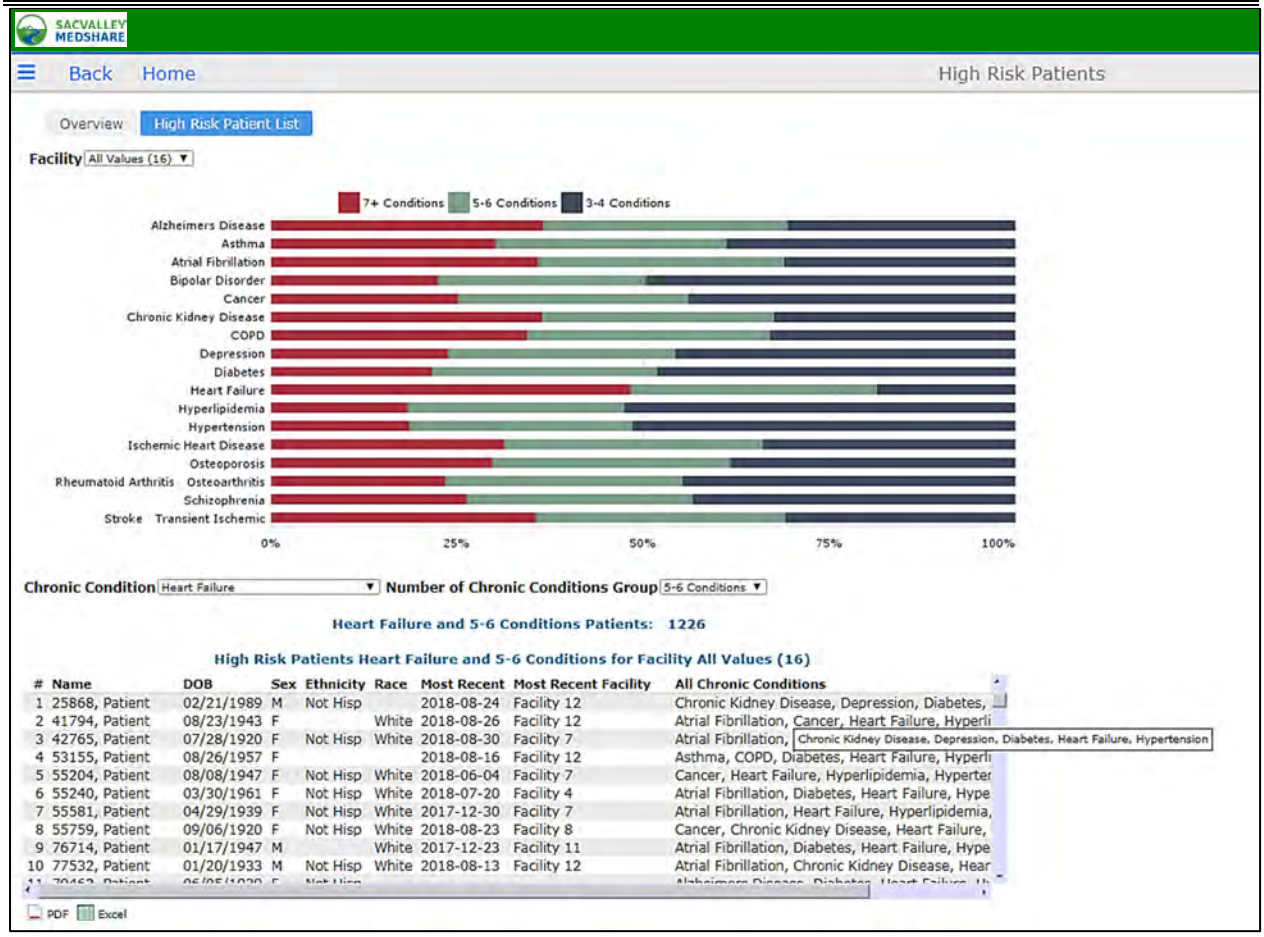
2,598

#	Name	DOB	Sex	Ethnicity	Facility
1	8837, Patient	11/15/1981	M	Not Hispanic or Latino	Facility 1
2	9141, Patient	5/16/1995	M	Not Hispanic or Latino	Facility 11
3	9889, Patient	1/21/1989	M	Not Hispanic or Latino	Facility 11
4	10832, Patient	8/12/1980	M	Not Hispanic or Latino	Facility 10
5	10886, Patient	9/16/1983	M	Not Hispanic or Latino	Facility 11
6	11143, Patient	1/9/1981	M	Not Hispanic or Latino	Facility 10
7	17819, Patient	11/18/1955	M	Not Hispanic or Latino	Facility 13



Gender and Age Distribution of Patients

This report adds graphic analysis of the number of chronic conditions by age and sex. Clicking on bar opens patient specific list.

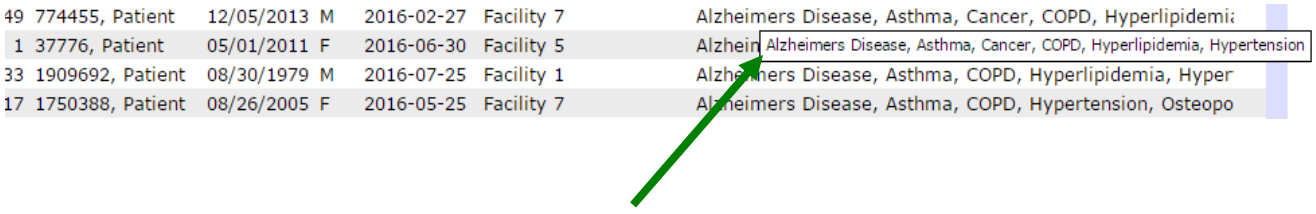


High Risk Patient List

Displays distribution of chronic diseases among the High-Risk patient population. As example. For those with 7+ conditions, Heart Failure is present 50% of the time.

Selecting one of the segments in the bars automatically displays the patient list. Filters on facility, condition and number of conditions group. Same sort and export options.

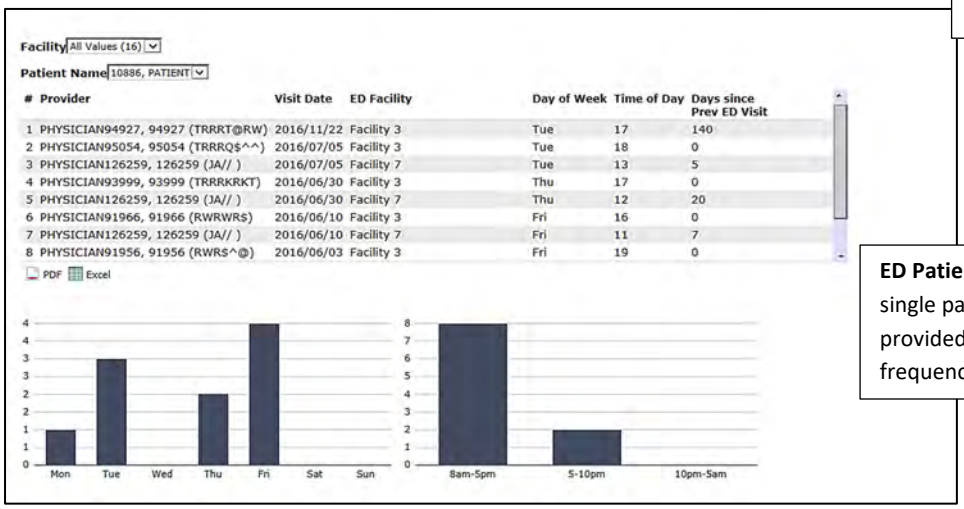
Of Note: clicking on All Chronic Conditions sorts the conditions in alphabetical order.



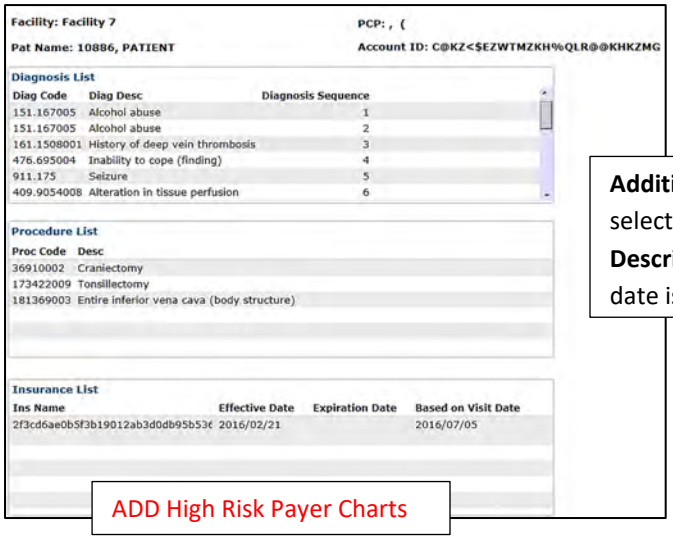
Mouse hover displays extended list of chronic conditions.

Data display is for Rolling 12 months

ED Visit tab displays list of High-Risk Patients with number of visits. "Our ED Visit" column displays number of ED visits at client facility as part of the total ED visits. Allows sorting to select those with most ED visits for client facility and see the patients' total visits across all providers.



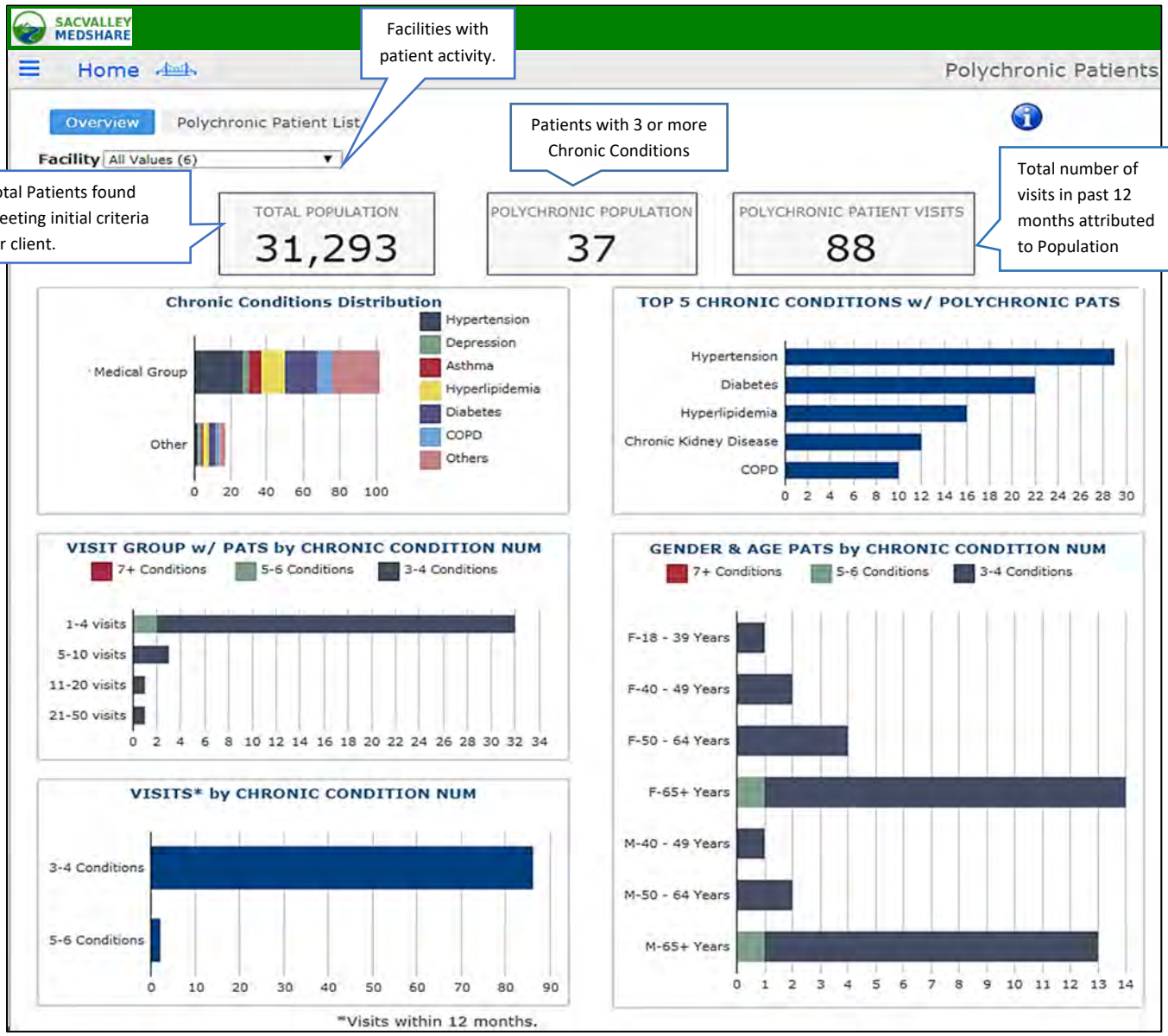
ED Patient Detail is viewed by selecting single patient from list. Detail of ED visits provided along with time and day of week frequency.



Additional Details for Single Visit is revealed by selecting line from list. **Diagnosis List and Description Procedures, and Insurance** for specific date is displayed.

ADD High Risk Payer Charts

POLYCHRONIC PATIENTS

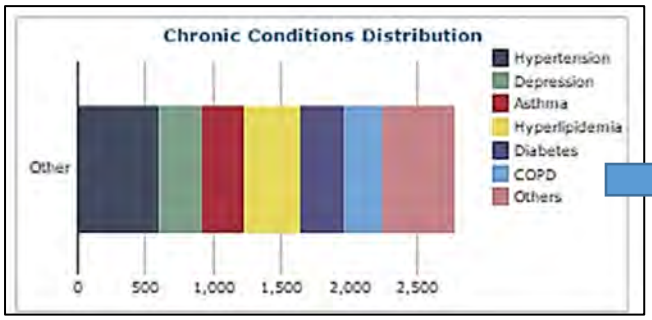


PolyChronic Patients

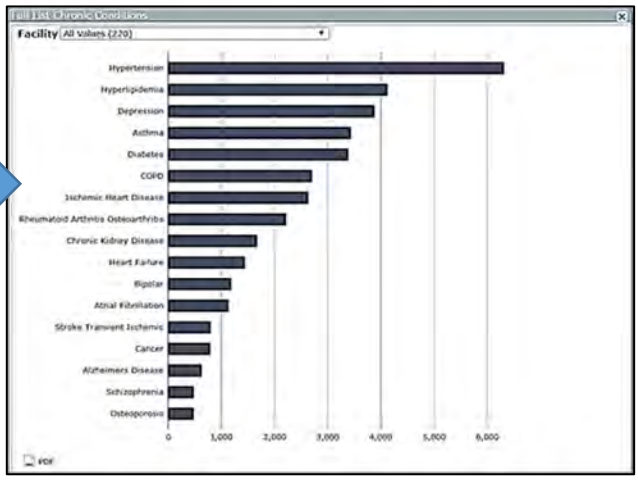
OVERVIEW: Patients with 3 or more Chronic Disease Conditions.

A CMS list of 27 chronic conditions is the reference. Clinical advisory members refined the conditions down to 17 for display.
https://www.ccwdata.org/web/guest/condition-categories

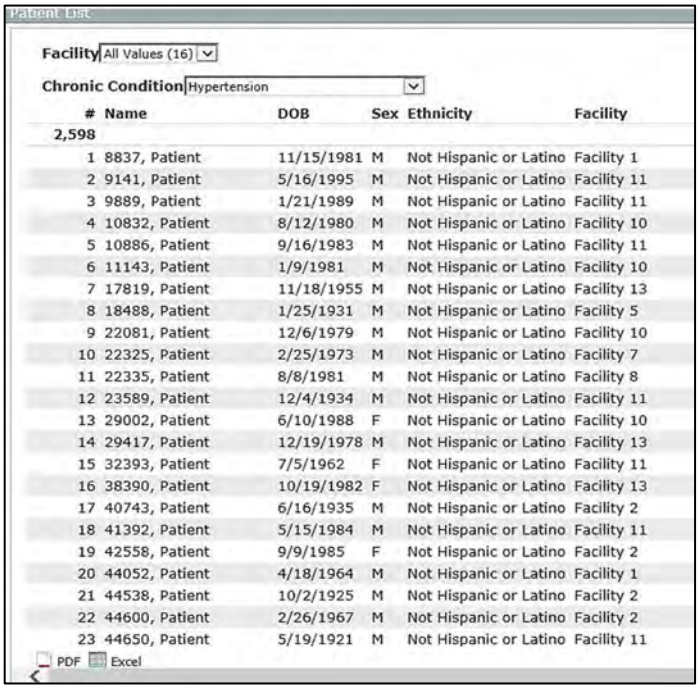
PURPOSE: Polychronic Patient dashboard identifies patients that could be considered most at risk for poor health outcomes, high resource utilization and in need of care coordination and management.



Chronic Conditions Distribution shows distribution of chronic conditions by color code. Hover over individual bar provides specific number of patients with that condition. Numbers will be greater than the number of patients due to multiple conditions/patient.

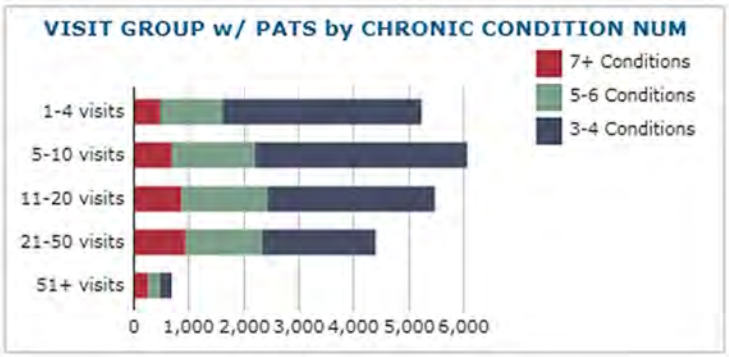


Clicking on any bar from the Chronic Conditions color chart opens a distribution of chronic diseases in a descending order of frequency for the population. Can be limited to 1 facility to note differences. NOTE: Facility with most recent use of the chronic diagnosis is identified as the source. PDF option available.

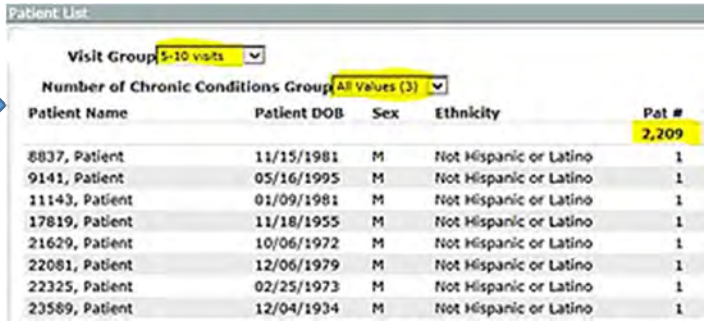


#	Name	DOB	Sex	Ethnicity	Facility
2,598					
1	8837, Patient	11/15/1981	M	Not Hispanic or Latino	Facility 1
2	9141, Patient	5/16/1995	M	Not Hispanic or Latino	Facility 11
3	9889, Patient	1/21/1989	M	Not Hispanic or Latino	Facility 11
4	10832, Patient	8/12/1980	M	Not Hispanic or Latino	Facility 10
5	10886, Patient	9/16/1983	M	Not Hispanic or Latino	Facility 11
6	11143, Patient	1/9/1981	M	Not Hispanic or Latino	Facility 10
7	17819, Patient	11/18/1955	M	Not Hispanic or Latino	Facility 13
8	18488, Patient	1/25/1931	M	Not Hispanic or Latino	Facility 5
9	22081, Patient	12/6/1979	M	Not Hispanic or Latino	Facility 10
10	22325, Patient	2/25/1973	M	Not Hispanic or Latino	Facility 7
11	22335, Patient	8/8/1981	M	Not Hispanic or Latino	Facility 8
12	23589, Patient	12/4/1934	M	Not Hispanic or Latino	Facility 11
13	29002, Patient	6/10/1988	F	Not Hispanic or Latino	Facility 10
14	29417, Patient	12/19/1978	M	Not Hispanic or Latino	Facility 13
15	32393, Patient	7/5/1962	F	Not Hispanic or Latino	Facility 11
16	38390, Patient	10/19/1982	F	Not Hispanic or Latino	Facility 13
17	40743, Patient	6/16/1935	M	Not Hispanic or Latino	Facility 2
18	41392, Patient	5/15/1984	M	Not Hispanic or Latino	Facility 11
19	42558, Patient	9/9/1985	F	Not Hispanic or Latino	Facility 2
20	44052, Patient	4/18/1964	M	Not Hispanic or Latino	Facility 1
21	44538, Patient	10/2/1925	M	Not Hispanic or Latino	Facility 2
22	44600, Patient	2/26/1967	M	Not Hispanic or Latino	Facility 2
23	44650, Patient	5/19/1921	M	Not Hispanic or Latino	Facility 11

Selecting an individual condition from distribution chart opens a **patient list with that chronic condition.** List will retain selection from previous chart or can be filtered by **Facility** and **Chronic Condition** without returning to previous chart. **Total** number of patients with chronic condition displays in upper left of list. Columns are sortable in ascending and descending order by clicking on column headers. **PDF and Excel exports** opens by clicking on icon in lower left.



This chart displays association between **number of Chronic Conditions and visit ranges.**
Hover over any segment provides breakdown of patients with chronic conditions for that visit range.
Click on bar opens **patient specific list.** Displays total number of patients.
Can filter on number of visits and Number of Chronic Conditions.
Same column sort features, name, DOB, sex.

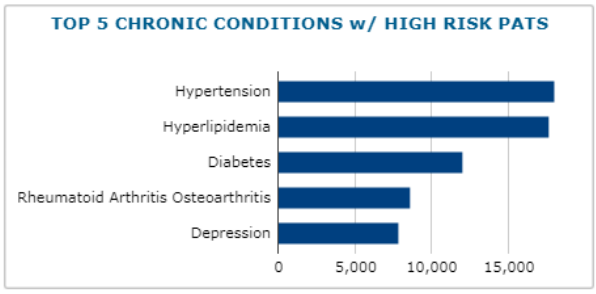


Patient List

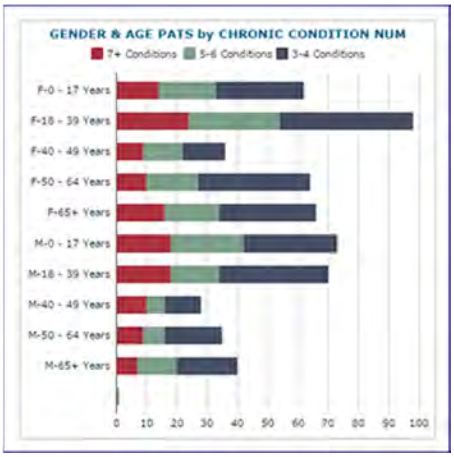
Visit Group: 5-10 visits

Number of Chronic Conditions Group: All Values (3)

Patient Name	Patient DOB	Sex	Ethnicity	Pat #
				2,209
8837, Patient	11/15/1981	M	Not Hispanic or Latino	1
9141, Patient	05/16/1995	M	Not Hispanic or Latino	1
11143, Patient	01/09/1981	M	Not Hispanic or Latino	1
17819, Patient	11/18/1955	M	Not Hispanic or Latino	1
21629, Patient	10/06/1972	M	Not Hispanic or Latino	1
22081, Patient	12/06/1979	M	Not Hispanic or Latino	1
22325, Patient	02/25/1973	M	Not Hispanic or Latino	1
23589, Patient	12/04/1934	M	Not Hispanic or Latino	1



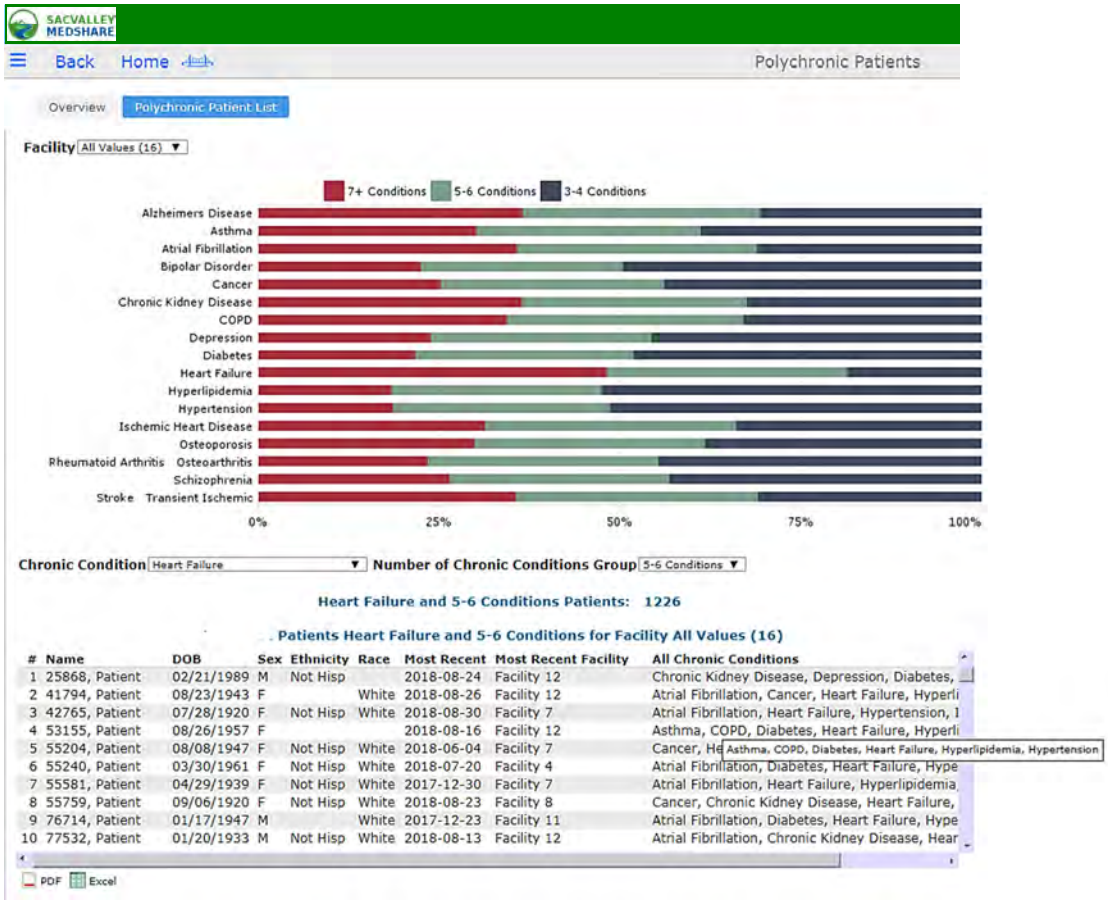
Top 5 Chronic Conditions -frequency of chronic conditions among patients.
Click on bar opens patient list.
Displays: Facility with **most recent use** of that Chronic Diagnosis
Can filter by Facility and/or individual Chronic Condition.
Same column sort features, name, DOB, sex and by Facility



Patient Drill Down from Gender and Age for # Chronic Conditions

Gender and Age Distribution of Patients

This report adds graphic analysis of the number of chronic conditions by age and sex.

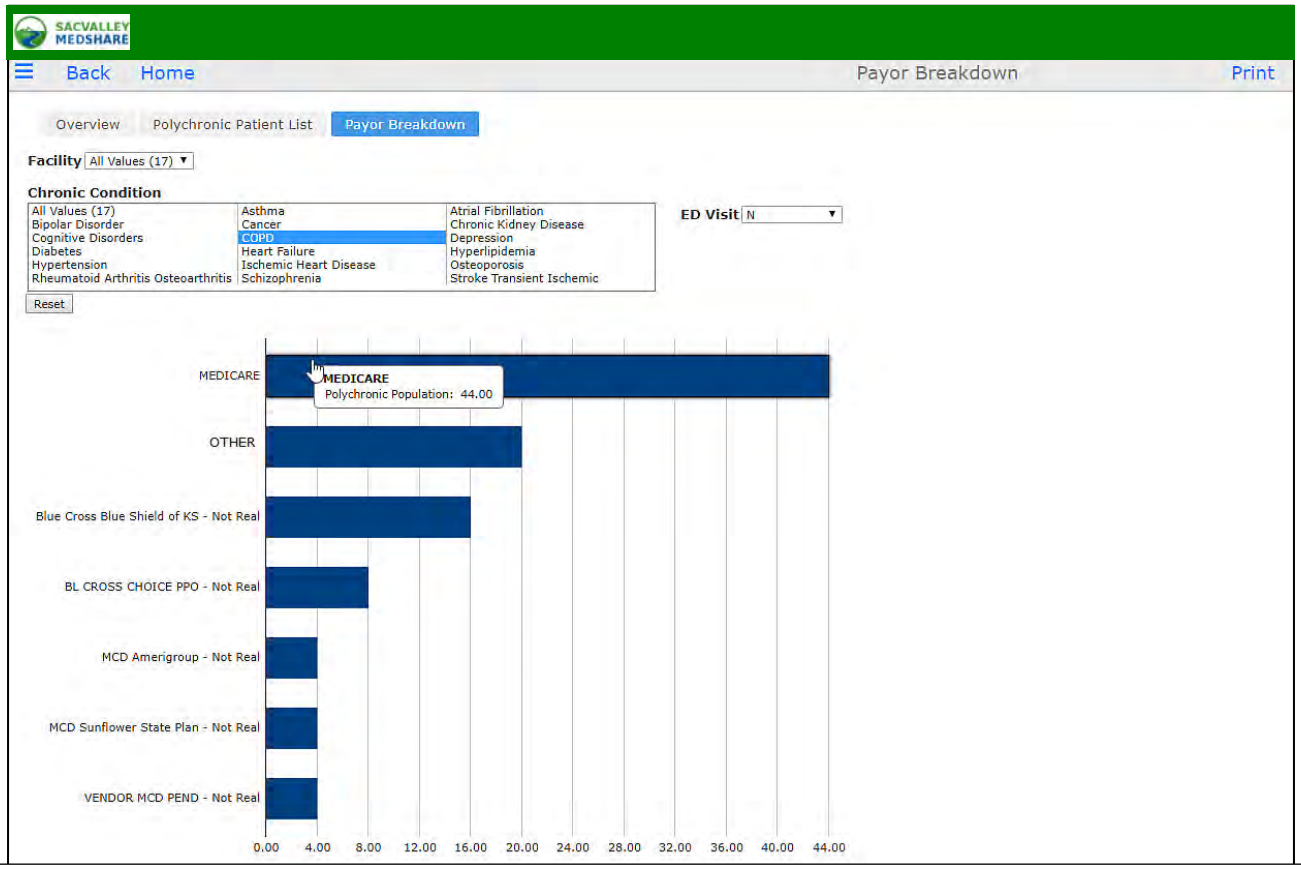


Polychronic Patient List

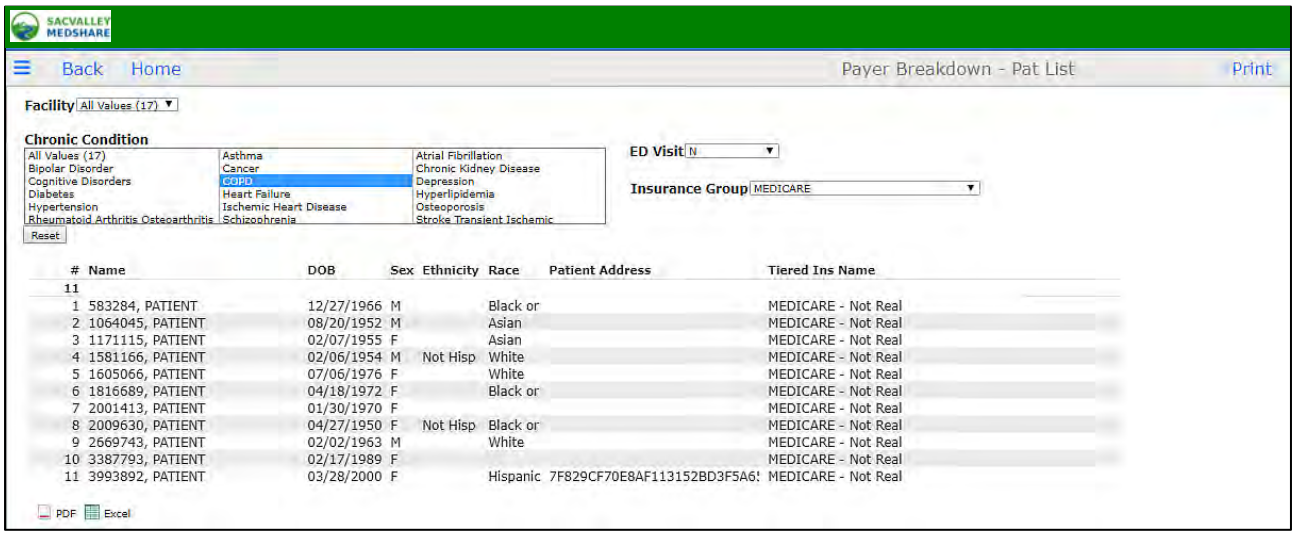
Displays distribution of chronic diseases among the patient population. As example. For those with 7+ conditions, Heart Failure is present 50% of the time.

Selecting one of the segments in the bars automatically displays the patient list. Filters on facility, condition and number of conditions group. Same sort and export options.

Of Note: clicking on All Chronic Conditions sorts the conditions in alphabetical order.

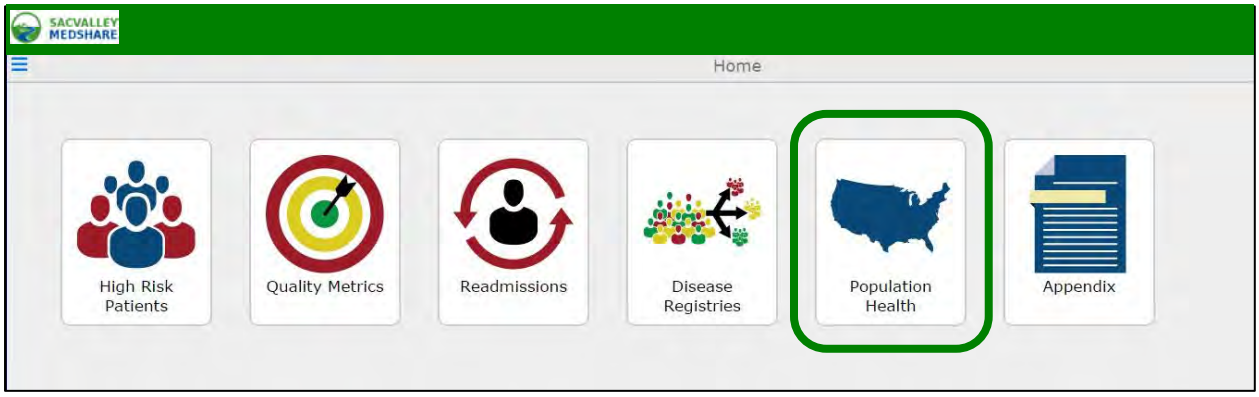


Payor breakdown shows patient's primary insurance. Filter options include facility, Chronic Condition and ED visit.



Drill down to patient specific list by condition and insurer from chart.

POPULATION HEALTH

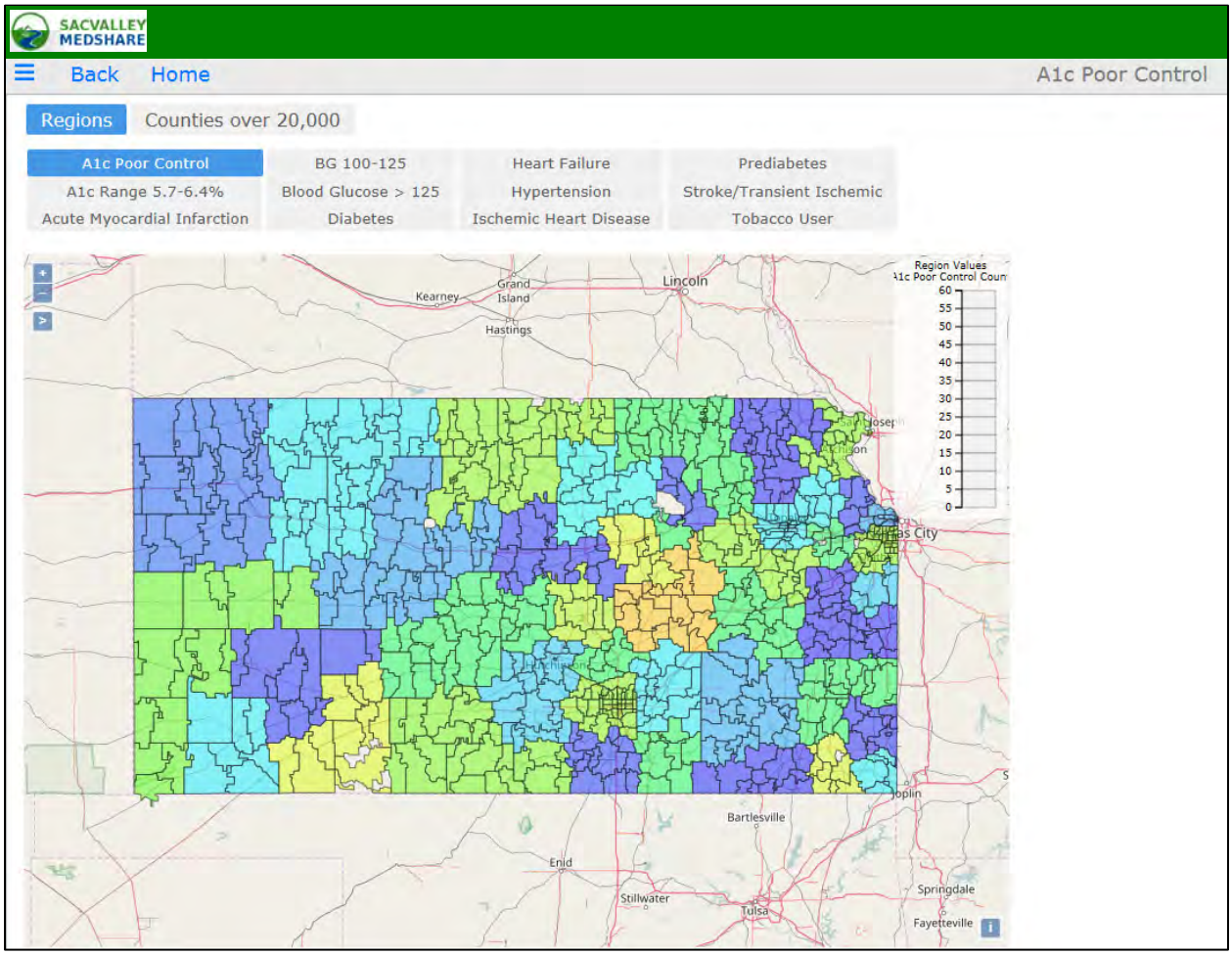


Population Health intended for use to identify and plan for population health needs on a **defined geographic regional basis**, not restricted to client specific population. Data displayed has been modified to comply with HIPAA de-identification rules.

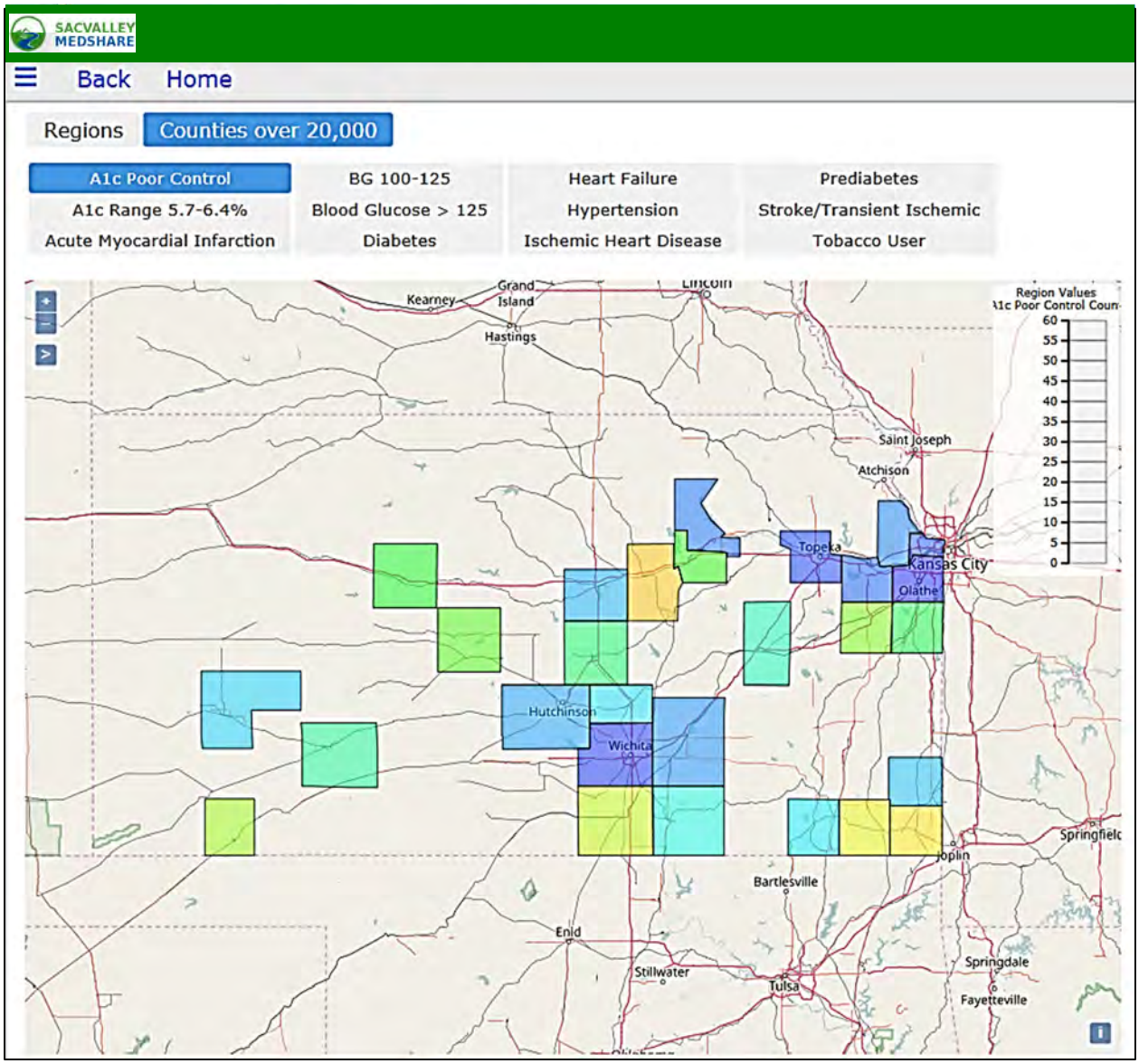
Potential Use: Identify high population for a geographic region with certain high risk or "at risk" diagnoses or lab values.
Community health resource coordination and planning.

Current Criteria

1. **A1c Poor Control** are patients with a **diagnosis of Diabete**s and a lab value for **Hemoglobin A1c that is 9% or greater.**
2. **A1c Range 5.7-6.4%** criteria is patients **without Diabetes** and a **lab value of Hemoglobin A1c** in the defined range. It identifies "at risk" patients.
3. **Acute Myocardial Infarction** lists patients treated with a **diagnosis of Acute MI** as defined on the Appendix.
4. **BG 100-125** lists patients who are **not diabetic** and have a **blood glucose** within the 100-125 mg/dl range, another "at risk" for diabetes indicator.
5. **BG>125** displays **non-diabetic patients** with **blood glucose higher than 125 mg/dl** . Potentially at even higher "risk" for diabetes.
6. **Diabetes:** All patients in population with **diagnosis of Diabetes.**
7. **Heart Failure:** Patients identified with diagnosis of **Heart Failure** (see Appendix for specific codes)
8. **Hypertension:** Patients identified with **Essential Hypertension**
9. **Ischemic Heart Disease:** Patients diagnosed with **ischemic heart disease** condition.
10. **Prediabetes:** Patients who were diagnosed with certain **Pre-Diabetic diagnoses**, Impaired Glucose Tolerance
11. **Stroke Transient Ischemic Attack (TIA):** Those with a diagnosed condition of **Stroke or TIA i**n the patient population.
12. **Tobacco Use Disorder:** Those with a record of Tobacco Use.



Regions are organized to include populations of at least 20,000 residents to comply with HIPAA de-identification rules. Mouse over provides number of patients with condition.

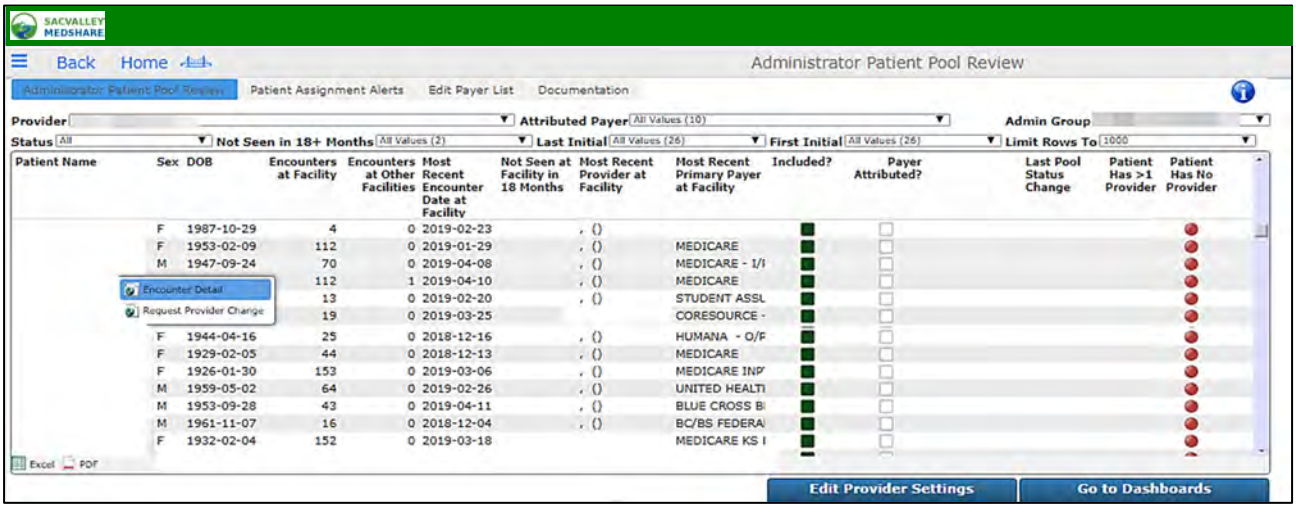


The second tab of Population Health displays information for counties in with greater than 20,000 residents.

PROVIDER PATIENT POOL REVIEW

Provider PATIENT POOL REVIEW

The Provider Patient Pool Review page shows a list of patients that are in the logged-in provider's security group. The page allows providers to exclude patients from the provider's pool, or to re-include a currently excluded patient via the Included? checkbox. It also provides a detail list of each patient's encounters as a click-action.



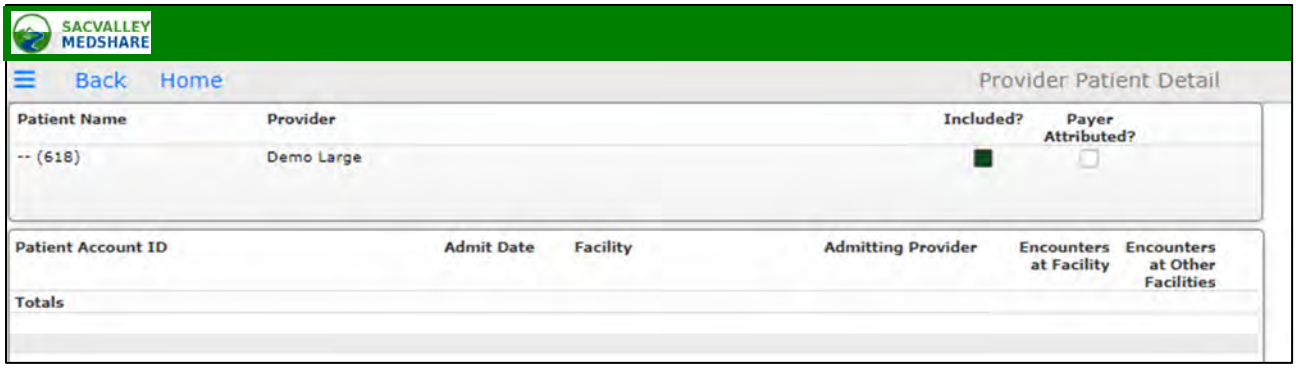
Basic Demographics - Patient Name - patient's last name, first name, Sex, DOB
Encounters at Facility - count of the patient's visits within the client's facilities.
Encounters at Other Facilities - count of the patient's visits outside of the client's facilities.
Most Recent Encounter Date at Facility - the date of patient's last visit within the client's facilities.
Not Seen at Facility in 18 Months - a red indicator marks any patient that has not had a visit with the client in the last 18 months, blank otherwise.
Most Recent Provider at Facility - the latest provider name available on the patient's visits.
Most Recent Primary Payer at Facility - the latest primary name available on the patient's visits within the client facilities.
Included? - a checkbox indicating if the patient is marked as included in (dark green) or excluded from (white) the provider's view. Included (green) is the default state. A provider can change the Included/Excluded status of a patient by clicking on the checkbox on that patient's row. A popup window appears where a user can select an Exclude Reason, and select OK to save the Inclusion/Exclusion edit. Editing the Include? checkbox status updates the Last Pool Status Change field also.

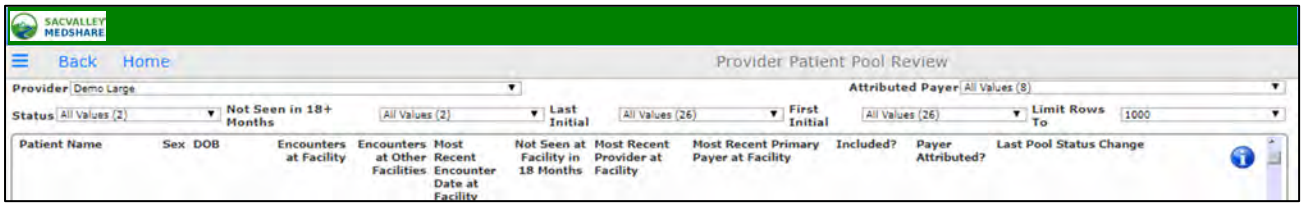
> *Note: after changing the Include? status for one or more patients, a user needs to log out and log back in to the dashboards to see the new Included/Excluded settings effected on the data dashboards.

Payer Attributed? - a checkbox indicating if a patient has been marked as payer attributed. This checkbox is white by default, and green if a Practice Administrator has attributed a payer to the patient. This checkbox is read-only in the provider's view.
Last Pool Status Change - the date and time of the last edit to a patient's Included/Excluded status via the Included? checkbox.

Patient Encounter Detail Report

Clicking on any non-indicator column for a patient in the Patient Pool report pops up a new page with the Encounter Detail report for the selected patient. The page shows the patient name, the logged in provider's security group, the Included? status (which can be edited here as well), the Payer Attributed? status for the patient, and a list of all the encounters for the patient.

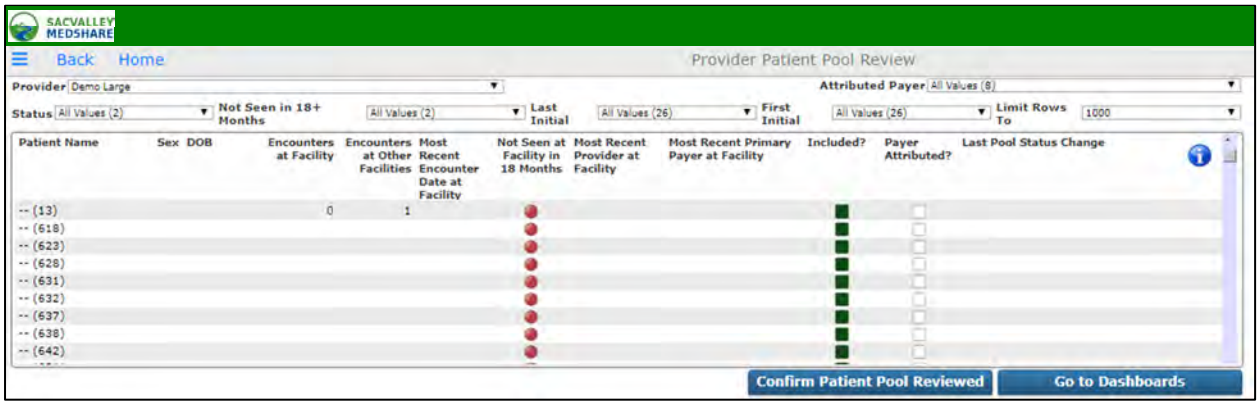




Filters

The Patient Pool report can be filtered by the following quickviews:

• Status - filters the report to show only Included patients, only Excluded patients, or All patients (default) for the provider.
• Attributed Payer - filters the report to only those patients that a Practice Administrator has marked as attributed to a particular payer. The default is to show all patients.
• Not Seen in 18+ Months - filters the report to show only those patients for which the condition is True or False. The default settings show all patients.
• First Initial - filters the report to only patients whose first initial starts with the selected character. The default settings show all values.
• Last Initial - filters the report to only patients whose last initial starts with the selected character. The default settings show all values.
• Limit Rows To - sets the number of patients to show in the report. The default is 10.



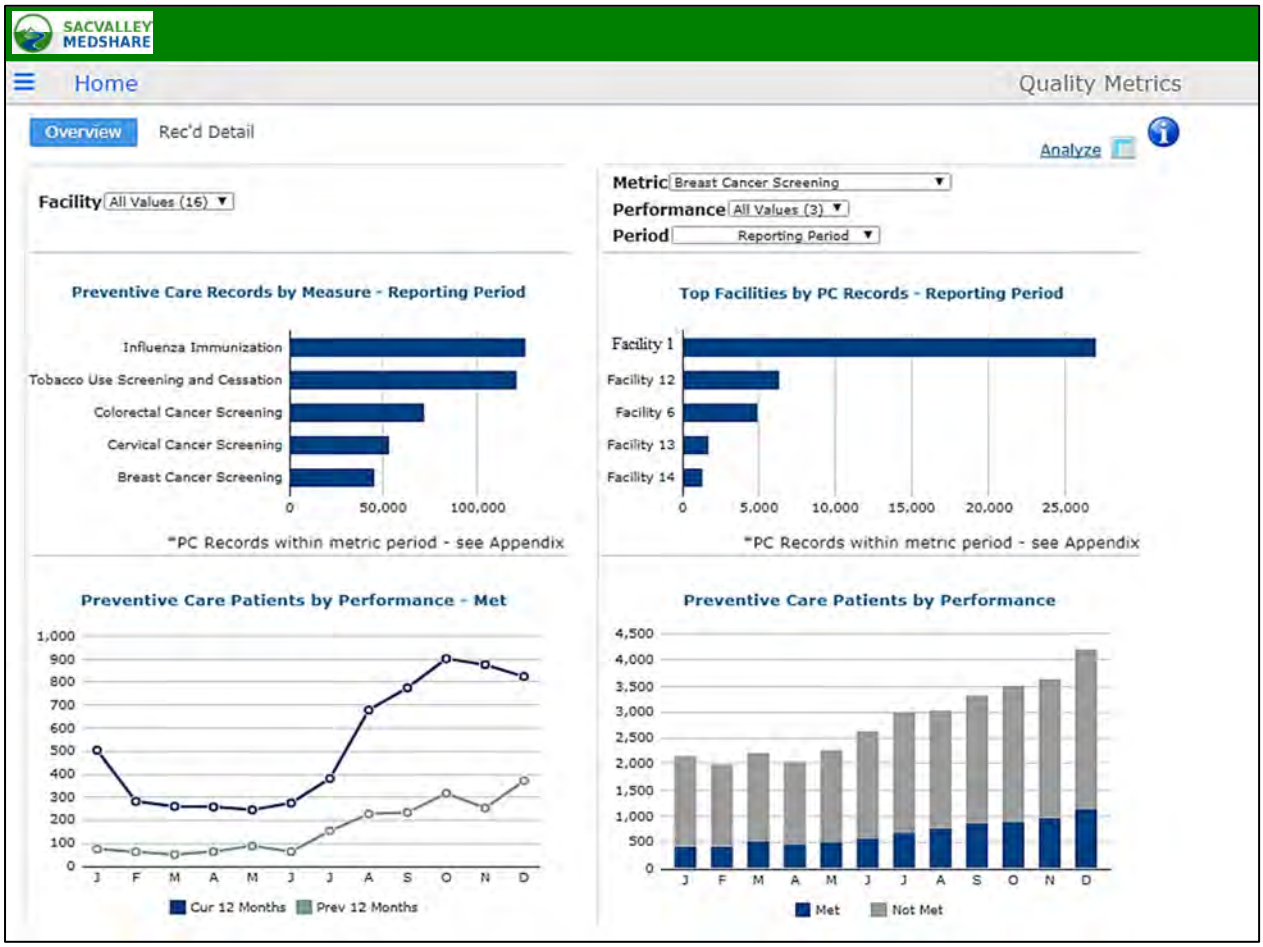
• Confirm Patient Pool Reviewed - Clicking on this button simply refreshes the page and logs an acknowledgement from the provider user that the patient pool has been reviewed. On subsequent logins, the provider user will not see the initial Welcome Page but will instead be taken directly to the data dashboards.

• Go to Dashboards - this link takes the user to the main menu for the data dashboards.

QUALITY METRICS

The Quality Metrics dashboard displays client results and analysis of preventive care procedures commonly required and approved for quality reporting programs for ambulatory practices. Individual measures are structured to meet NCQA, CMS and HEDIS requirements.

Measures include screening for colorectal, cervical and breast cancers, osteoporosis, pneumonia and influenza vaccines, controlled high blood pressure, diabetes and tobacco use.



Patient eligibility all patients in total client population that meet the QM guidelines. Individual measures may have exclusions based on age, gender or previous conditions Details of the requirements for each condition and measure can be found in the Appendix.

'**Performance**' is a breakdown of how the patient can be categorized per the metric of interest.

Met - The patient has fallen into both the numerator and denominator requirements for the metric including any office visit criteria.

Not Met - The patient meets the denominator criteria, but does not meet the numerator criteria for the metric.

Unreported - The patient meets the numerator requirements for the metric, however the patient does **not** have the required office visit, excluding them from the denominator population to be considered "Met".

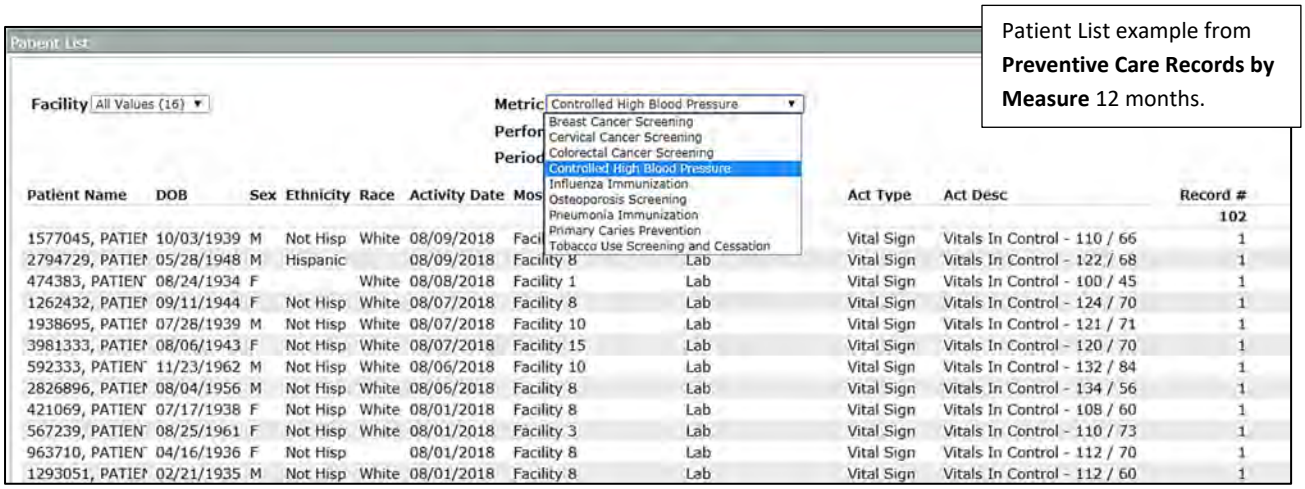
Period The 'Period' dropdown is a breakdown timeframes.

The three 'Period' options are:

Current -The current calendar year. **Previous** - The previous calendar year. **Historical** - Anything prior to the previous calendar year.

Measures help clients meet their MIPS Quality reporting requirements and other health insurance mandates by completing their records with dates and evidence of preventive screenings performed outside their facility. Export format allows ease of filtering and import into EMR or other tracking software.

Patient list for each measure display from each bar chart on the overview dashboard. Report columns vary dependent on the chart selection.



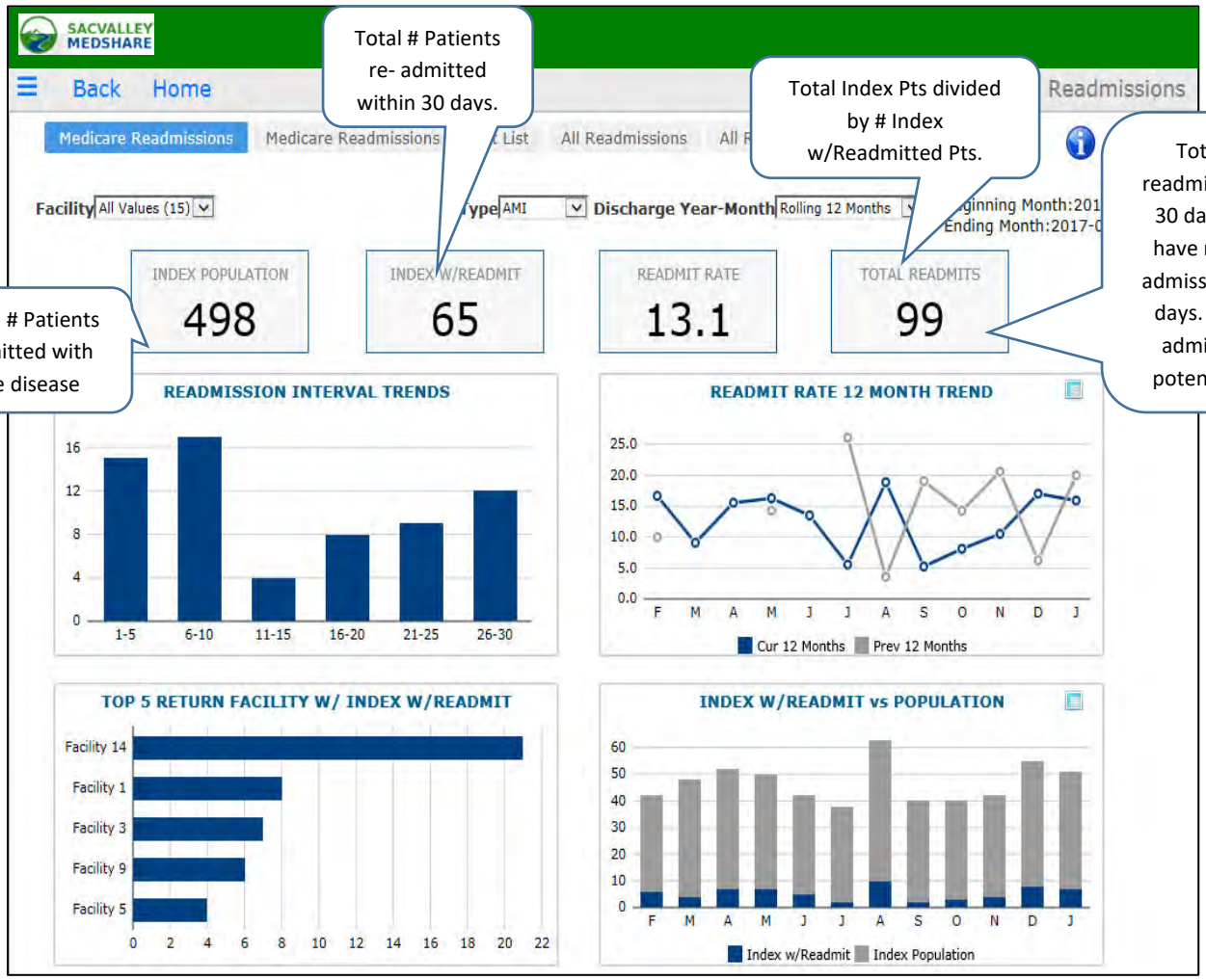
Patient Name	DOB	Sex	Ethnicity	Race	Activity Date	Mos			Act Type	Act Desc	Record #
											102
1577045, PATIEI	10/03/1939	M	Not Hisp	White	08/09/2018	Faci			Vital Sign	Vitals In Control - 110 / 66	1
2794729, PATIEI	05/28/1948	M	Hispanic		08/09/2018	Facility 8		Lab	Vital Sign	Vitals In Control - 122 / 68	1
474383, PATIEN	08/24/1934	F		White	08/08/2018	Facility 1		Lab	Vital Sign	Vitals In Control - 100 / 45	1
1262432, PATIEI	09/11/1944	F	Not Hisp	White	08/07/2018	Facility 8		Lab	Vital Sign	Vitals In Control - 124 / 70	1
1938695, PATIEI	07/28/1939	M	Not Hisp	White	08/07/2018	Facility 10		Lab	Vital Sign	Vitals In Control - 121 / 71	1
3981333, PATIEI	08/06/1943	F	Not Hisp	White	08/07/2018	Facility 15		Lab	Vital Sign	Vitals In Control - 120 / 70	1
592333, PATIEN	11/23/1962	M	Not Hisp	White	08/06/2018	Facility 10		Lab	Vital Sign	Vitals In Control - 132 / 84	1
2826896, PATIEI	08/04/1956	M	Not Hisp	White	08/06/2018	Facility 8		Lab	Vital Sign	Vitals In Control - 134 / 56	1
421069, PATIEN	07/17/1938	F	Not Hisp	White	08/01/2018	Facility 8		Lab	Vital Sign	Vitals In Control - 108 / 60	1
567239, PATIEN	08/25/1961	F	Not Hisp	White	08/01/2018	Facility 3		Lab	Vital Sign	Vitals In Control - 110 / 73	1
963710, PATIEN	04/16/1936	F	Not Hisp		08/01/2018	Facility 8		Lab	Vital Sign	Vitals In Control - 112 / 70	1
1293051, PATIEI	02/21/1935	M	Not Hisp	White	08/01/2018	Facility 8		Lab	Vital Sign	Vitals In Control - 112 / 60	1

Patient List example from **Preventive Care Records by Measure** 12 months.

Facility Charts by Records and by Patients display most frequent facility for a single measure. Selecting the Metric drop down changes display of charts on right. Patient list detail for each is obtained by selecting bar on chart.

Potential Use: Facilities may want to see where their patients have completed the preventive care measures. Gives indication of referral patterns and utilization. May be of particular interest to integrated network of hospital and physician clinics.

READMISSIONS

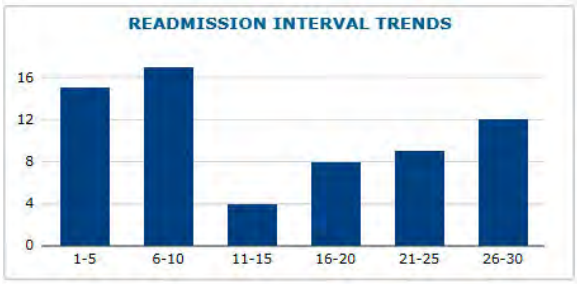


Total # Patients admitted with the disease

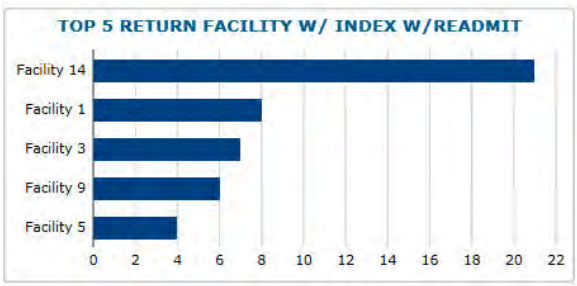
Total # Patients re- admitted within 30 days.

Total Index Pts divided by # Index w/Readmitted Pts.

Total # of Pt. readmissions within 30 days. Pts may have more than 1 admission within 30 days. Only 1st re-admit counts as potential penalty.

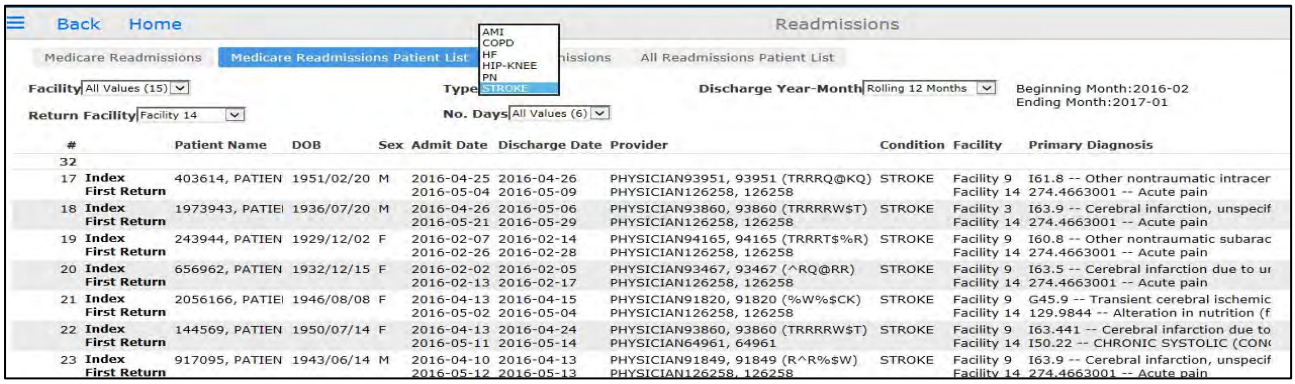


Displays the **Readmit trends by date ranges**. Most frequent in this example occur within 0-5 days. This is useful tool for analyzing reasons for re-admit and designing interventions to prevent. The need for follow up clinic appointments within 0-5 days or phone contact to check patient condition and answer questions, ensure medication compliance. Trend can vary by disease condition and facility. Drill down on bar chart opens patient specific list.

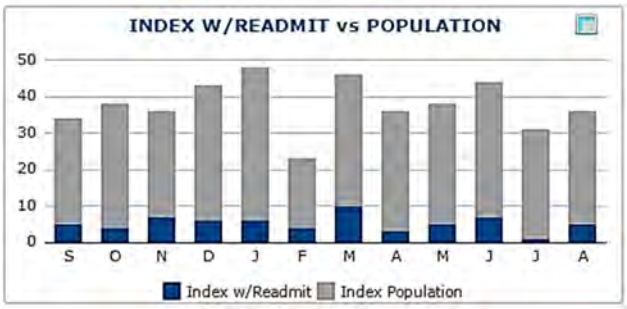


Displays the **FACILITIE**S where patients returned for readmission. Organizations may know when patient readmitted to their facility, but not when they readmit elsewhere. Useful to identify trends in patient utilization, and targeted patient education and coordination between facilities. **Only admissions to another qualified Acute care facility IPPS count.** Transfers between hospitals, admits to Critical Access, Long term care, psychiatric or rehabilitation hospitals and other specialty facilities do not count.

Drill down from the bar on chart opens patient list Filtered by Return Facility.



#		Patient Name	DOB	Sex	Admit Date	Discharge Date	Provider	Condition	Facility	Primary Diagnosis
32										
17	Index	403614, PATIEN	1951/02/20	M	2016-04-25	2016-04-26	PHYSICIAN93951, 93951 (TRRRQ@KQ)	STROKE	Facility 9	I61.8 -- Other nontraumatic intracer
	First Return				2016-05-04	2016-05-09	PHYSICIAN126258, 126258		Facility 14	274.4663001 -- Acute pain
18	Index	1973943, PATIEI	1936/07/20	M	2016-04-26	2016-05-06	PHYSICIAN93860, 93860 (TRRRRW$T)	STROKE	Facility 3	I63.9 -- Cerebral infarction, unspecif
	First Return				2016-05-21	2016-05-29	PHYSICIAN126258, 126258		Facility 14	274.4663001 -- Acute pain
19	Index	243944, PATIEN	1929/12/02	F	2016-02-07	2016-02-14	PHYSICIAN94165, 94165 (TRRRT$%R)	STROKE	Facility 9	I60.8 -- Other nontraumatic subarac
	First Return				2016-02-26	2016-02-28	PHYSICIAN126258, 126258		Facility 14	274.4663001 -- Acute pain
20	Index	656962, PATIEN	1932/12/15	F	2016-02-02	2016-02-05	PHYSICIAN93467, 93467 (^RQ@RR)	STROKE	Facility 9	I63.5 -- Cerebral infarction due to ur
	First Return				2016-02-13	2016-02-17	PHYSICIAN126258, 126258		Facility 14	274.4663001 -- Acute pain
21	Index	2056166, PATIEI	1946/08/08	F	2016-04-13	2016-04-15	PHYSICIAN91820, 91820 (%W%$CK)	STROKE	Facility 9	G45.9 -- Transient cerebral ischemic
	First Return				2016-05-02	2016-05-04	PHYSICIAN126258, 126258		Facility 14	129.9844 -- Alteration in nutrition (f
22	Index	144569, PATIEN	1950/07/14	F	2016-04-13	2016-04-24	PHYSICIAN93860, 93860 (TRRRRW$T)	STROKE	Facility 9	I63.441 -- Cerebral infarction due to
	First Return				2016-05-11	2016-05-14	PHYSICIAN64961, 64961		Facility 14	I50.22 -- CHRONIC SYSTOLIC (CONG
23	Index	917095, PATIEN	1943/06/14	M	2016-04-10	2016-04-13	PHYSICIAN91849, 91849 (R^R%$W)	STROKE	Facility 9	I63.9 -- Cerebral infarction, unspecif
	First Return				2016-05-12	2016-05-13	PHYSICIAN126258, 126258		Facility 14	274.4663001 -- Acute pain



Drill down from the bar on chart opens patient list Filtered by Return Facility.

READMIT RATE 12 month Trend: Displays a monthly trend of readmissions for selected condition and facility. Also provides a comparison with previous 12 month period. (Data dependent). Clicking on the spreadsheet icon upper right opens a pop-up

Month	Cur 12 Months	Prev 12 Months
September	17.2	13.7
October	11.8	11.1
November	24.1	10.0
December	16.2	11.1
January	14.3	
February	21.1	15.4
March	27.8	9.1
April	0.1	16.7
May	15.2	16.7
June	10.9	40.0
July	4.3	5.7
August	16.1	16.7

PDF Excel

Table exports to PDF and Excel

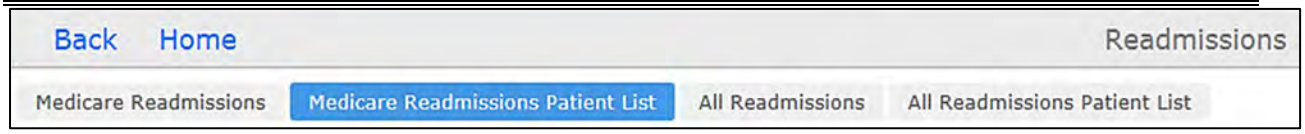
display with actual values.

INDEX W/Readmit vs POPULATION

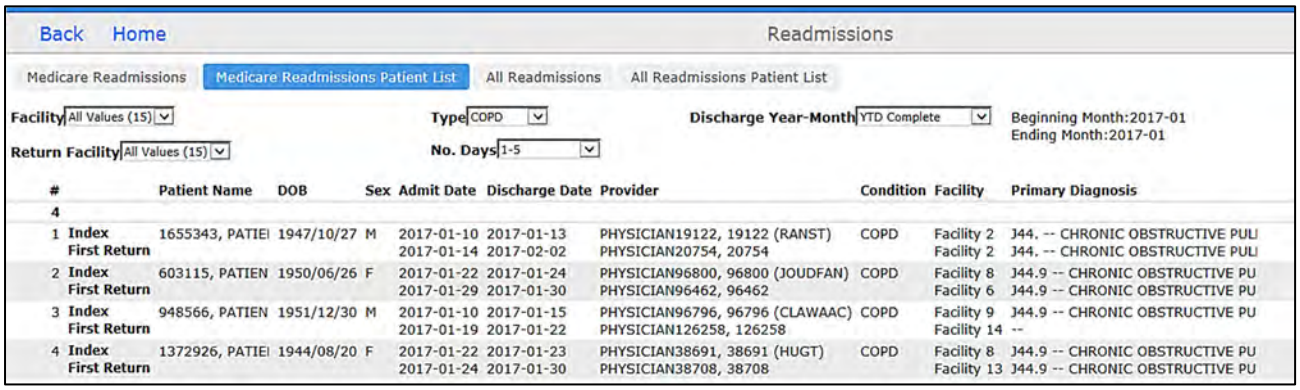
Comparison of readmits to the total admissions for condition by month. May see seasonal variations especially for conditions of Pneumonia and COPD.

Selecting changes chart display to actual values. No patient drill down in this view. Re-selecting icon changes display back to bar chart.

INDEX W/READMIT vs POPULATION		
Discharge Year-Month	Index w/Readmit	Index Populatio
2015-09	5	2
2015-10	4	3
2015-11	7	2
2015-12	6	3
2016-01	6	4
2016-02	4	1



Selecting patient list from the main Readmissions Dashboard is a quick way to go directly to the patient specific details for readmissions for each condition. Filters available include Facility (initial admitting) , Return Facility, Disease Type, # days, and Discharge Year-Month.

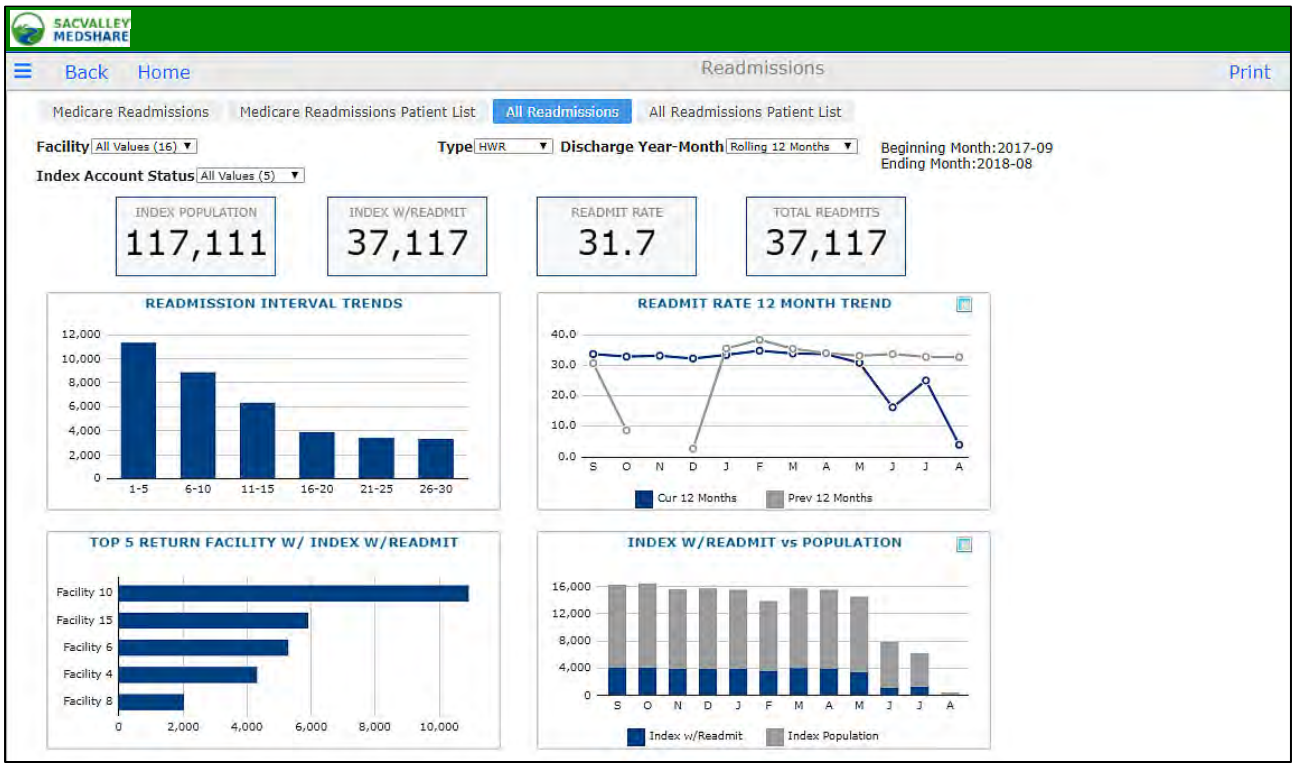


#		Patient Name	DOB	Sex	Admit Date	Discharge Date	Provider	Condition	Facility	Primary Diagnosis
4										
1	Index	1655343, PATIEI	1947/10/27	M	2017-01-10	2017-01-13	PHYSICIAN19122, 19122 (RANST)	COPD	Facility 2	J44. -- CHRONIC OBSTRUCTIVE PULI
	First Return				2017-01-14	2017-02-02	PHYSICIAN20754, 20754		Facility 2	J44. -- CHRONIC OBSTRUCTIVE PULI
2	Index	603115, PATIEN	1950/06/26	F	2017-01-22	2017-01-24	PHYSICIAN96800, 96800 (JOUDFAN)	COPD	Facility 8	J44.9 -- CHRONIC OBSTRUCTIVE PU
	First Return				2017-01-29	2017-01-30	PHYSICIAN96462, 96462		Facility 6	J44.9 -- CHRONIC OBSTRUCTIVE PU
3	Index	948566, PATIEN	1951/12/30	M	2017-01-10	2017-01-15	PHYSICIAN96796, 96796 (CLAWAAC)	COPD	Facility 9	J44.9 -- CHRONIC OBSTRUCTIVE PU
	First Return				2017-01-19	2017-01-22	PHYSICIAN126258, 126258		Facility 14	--
4	Index	1372926, PATIEI	1944/08/20	F	2017-01-22	2017-01-23	PHYSICIAN38691, 38691 (HUGT)	COPD	Facility 8	J44.9 -- CHRONIC OBSTRUCTIVE PU
	First Return				2017-01-24	2017-01-30	PHYSICIAN38708, 38708		Facility 13	J44.9 -- CHRONIC OBSTRUCTIVE PU

Facility: The first facility where patient is admitted with one of the qualifying index conditions. In many cases, this will be restricted the client's eligible hospital, unless the client has multiple eligible facilities. **The hospital where the patient is first admitted** is the one that is assigned the potential penalty if the patient readmits at the same or any other eligible facility (**RETURN Facility**) within 30 days for any reason.

Specific **exclusion criteria for readmission** conditions included scheduled procedures, treatment for cancer and other diseases. KAMMCO structures data rules to comply with specific criteria to the extent possible based on available data. Lack of access to billing and claims and non-KHIN participant's data limits ability to completely replicate or comply with CMS or other payer algorithms. The intent of Readmissions is to provide early identification of potential risks.

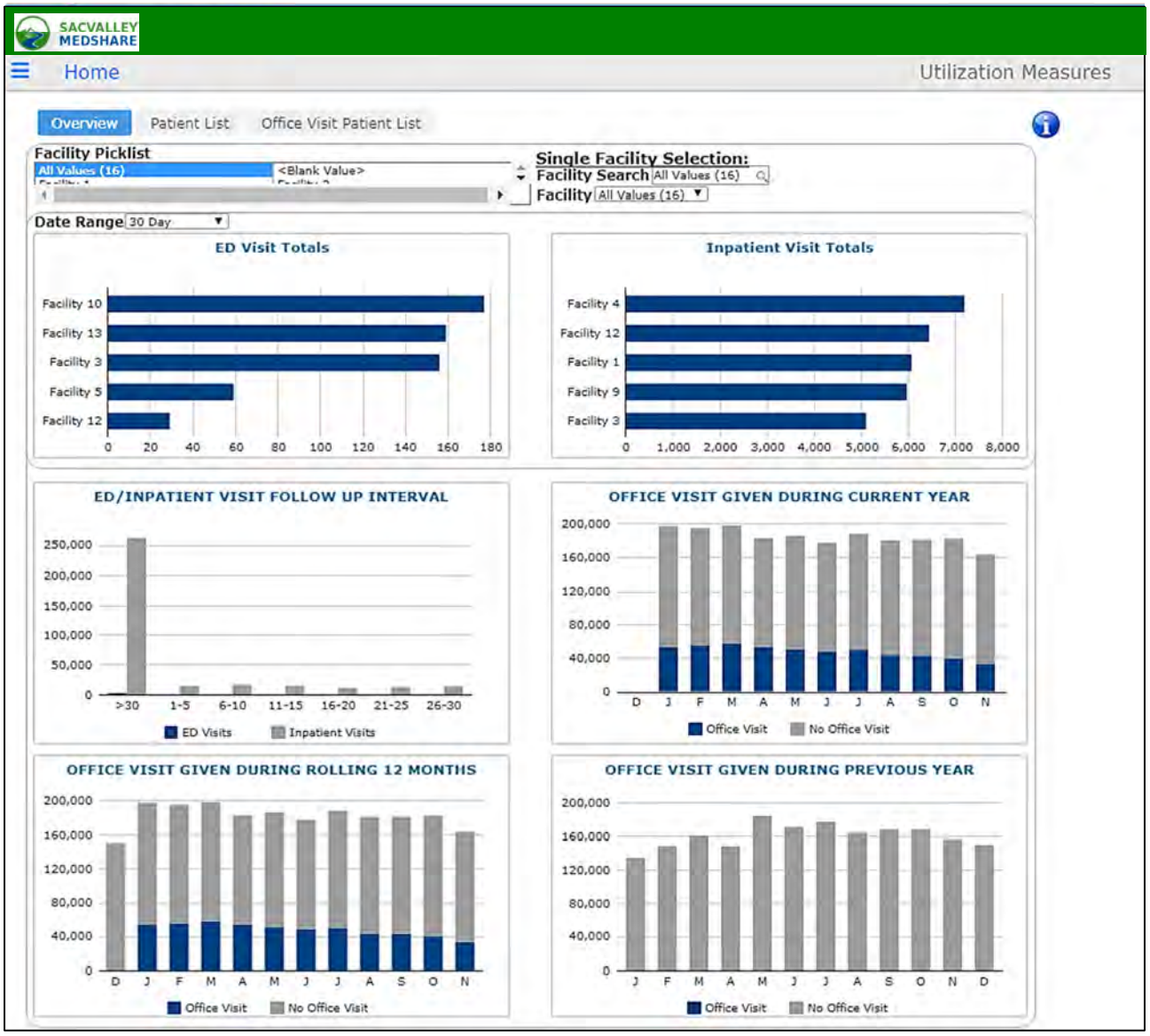
All Readmissions



All readmissions includes the 7 Medicare conditions plus readmits for any conditions (HWR) to the list of clinical conditions. Readmissions in this section are not restricted to Medicare beneficiaries and includes all patients 18 years and older.

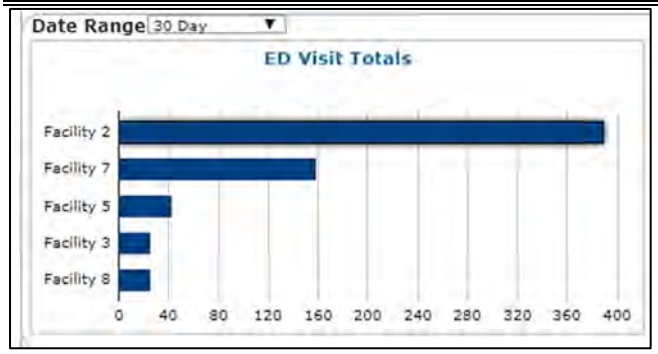
Eligible hospitals include Critical Access Hospitals in addition to Acute IPPS facilities.

UTILIZATION



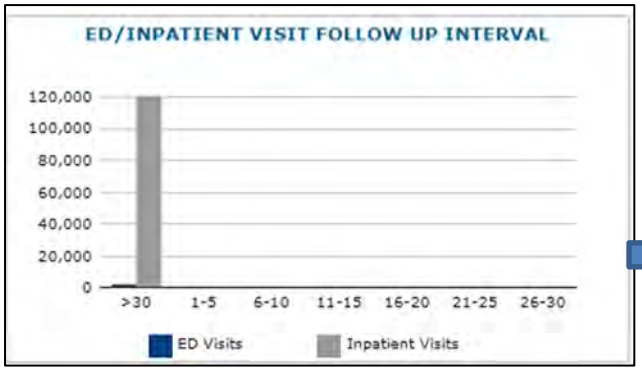
Utilization includes all visits with a filtering option for recognized office visits codes versus non-office visits. There are several facility selection options. The left facility selection option is a 'pick list'.

To select multiple facilities at one time, hold the 'Ctrl' key on your keyboard and click on other facilities. The two other single selection pick lists will be set to 'All Values', however the results will represent those items selected in the pick list.



Displays emergency department activity for selected date range. Top five facilities for activity appear in rank order. Drill down into facility and patient detail available from chart.

Inpatient Visit Totals: Displays inpatient activity for selected date range. Top five facilities for activity appear in rank order. Drill down into facility and patient detail available from chart.

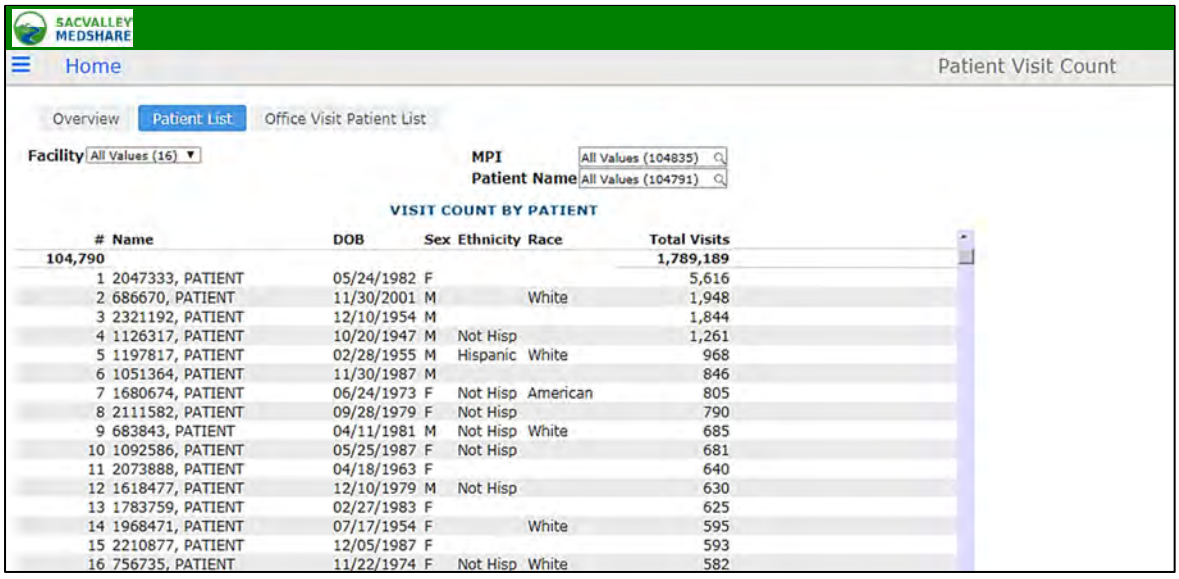


ED/Inpatient Visit Follow up Interval
This chart tracks office visits after an IP or ED visit. Drill down is available into patient detail to show site of ED or IP visit and associate office encounter.

#	Name	DOB	Sex	Discharge Date	Discharge Facility	OV Date	OV Facility	OV Code	OV Desc
1	2252409, Patient	1/1/1950	M	02/01/2017	Facility 12	02/05/2017	Facility 14	99213	Office/outpatient visit, est
1	2252409, Patient	1/1/1950	M	02/01/2017	Facility 12	02/05/2017	Facility 14	99213	Office/outpatient visit, est
1	2252409, Patient	1/1/1950	M	02/01/2017	Facility 12	02/05/2017	Facility 14	99213	Office/outpatient visit, est
1	2252409, Patient	1/1/1950	M	01/31/2017	Facility 12	02/05/2017	Facility 14	99213	Office/outpatient visit, est
1	2252747, Patient	2/5/1968	M	01/20/2018	Facility 7	01/28/2018	Facility 12	99213	OFFICE OR OTHER OUTPATIEN
1	2252747, Patient	2/5/1968	M	01/07/2018	Facility 7	01/28/2018	Facility 8	99213	OFFICE OR OTHER OUTPATIEN
1	2253064, Patient	11/17/1966	M	10/03/2017	Facility 2	10/06/2017	Facility 15	99204	OFFICE/OUTPATIENT VISIT, N
1	2253581, Patient	7/16/1950	M	01/20/2017	Facility 12	01/26/2017	Facility 14	99212	Office/outpatient visit, est
1	2253581, Patient	7/16/1950	M	01/20/2017	Facility 12	01/26/2017	Facility 14	99212	Office/outpatient visit, est
1	2253581, Patient	7/16/1950	M	12/21/2016	Facility 12	01/26/2017	Facility 14	99212	Office/outpatient visit, est
1	2253581, Patient	7/16/1950	M	01/21/2017	Facility 12	01/26/2017	Facility 14	99212	Office/outpatient visit, est
1	2253581, Patient	7/16/1950	M	01/21/2017	Facility 12	01/26/2017	Facility 14	99212	Office/outpatient visit, est

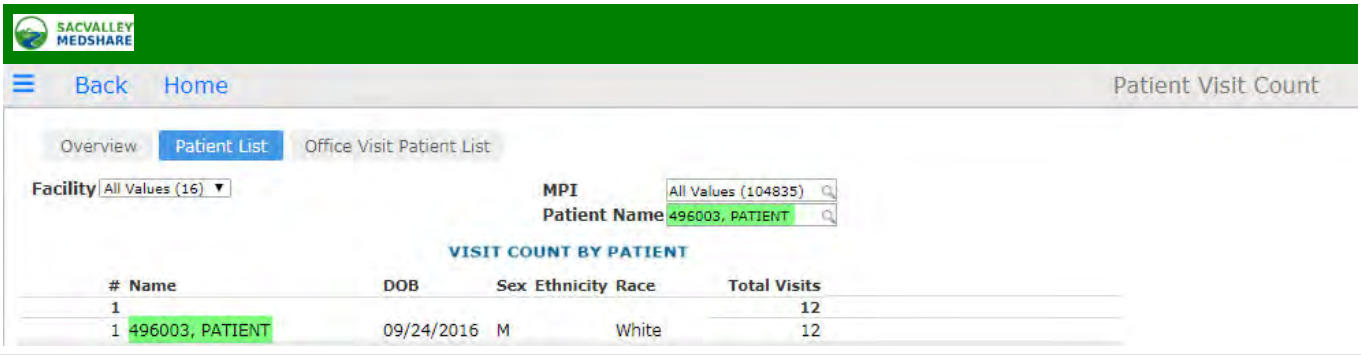
Office Visit Current Year; Rolling 12 Months; and Previous Year display graphically by month the incidence of office and other types of visits for the patient population.

Patient List

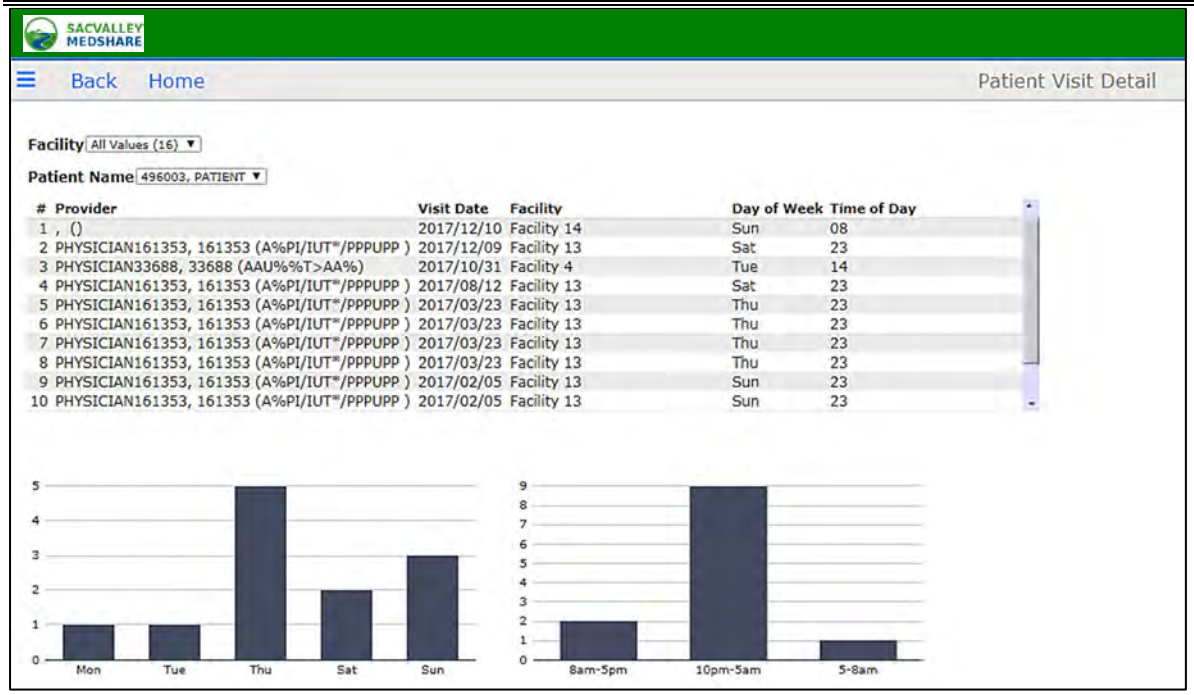


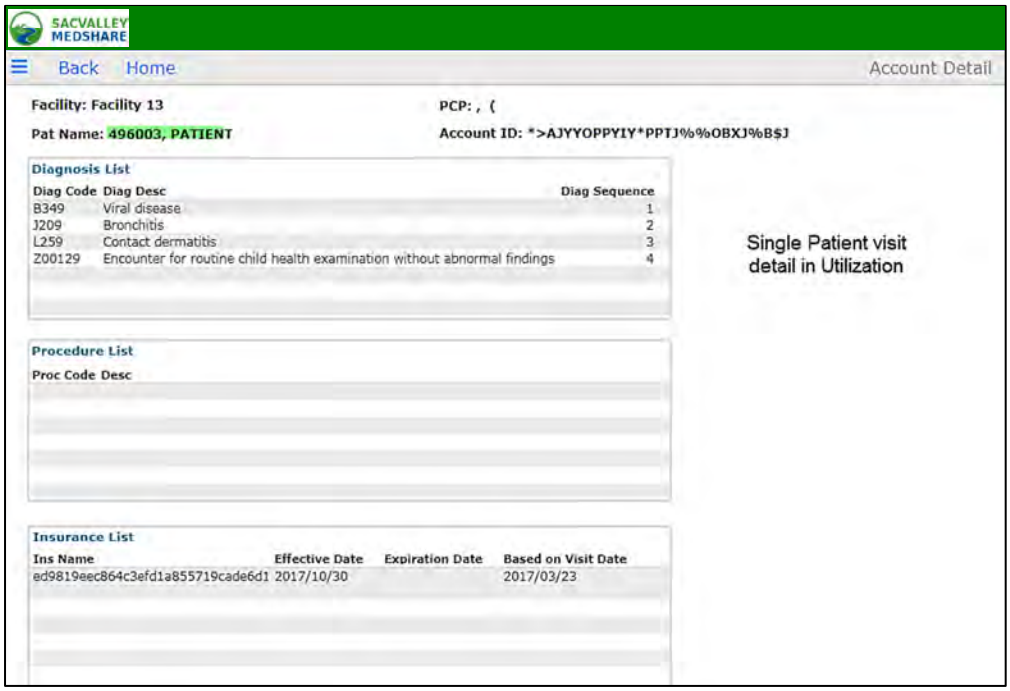
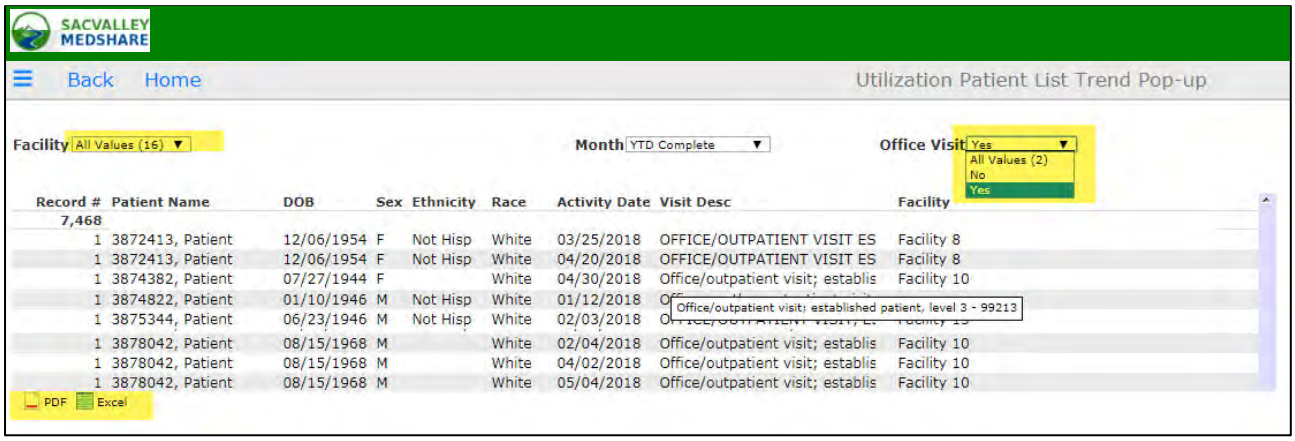
#	Name	DOB	Sex	Ethnicity	Race	Total Visits
104,790						1,789,189
1	2047333, PATIENT	05/24/1982	F			5,616
2	686670, PATIENT	11/30/2001	M		White	1,948
3	2321192, PATIENT	12/10/1954	M			1,844
4	1126317, PATIENT	10/20/1947	M	Not Hisp		1,261
5	1197817, PATIENT	02/28/1955	M	Hispanic	White	968
6	1051364, PATIENT	11/30/1987	M			846
7	1680674, PATIENT	06/24/1973	F	Not Hisp	American	805
8	2111582, PATIENT	09/28/1979	F	Not Hisp		790
9	683843, PATIENT	04/11/1981	M	Not Hisp	White	685
10	1092586, PATIENT	05/25/1987	F	Not Hisp		681
11	2073888, PATIENT	04/18/1963	F			640
12	1618477, PATIENT	12/10/1979	M	Not Hisp		630
13	1783759, PATIENT	02/27/1983	F			625
14	1968471, PATIENT	07/17/1954	F		White	595
15	2210877, PATIENT	12/05/1987	F			593
16	756735, PATIENT	11/22/1974	F	Not Hisp	White	582

Patient List displays a historical list of all visit activity for all patients in the client's population. Use of the Patient Name selection displays a single patient name. This is useful to confirm patient is included in population. Selecting a single patient provides visit details.



#	Name	DOB	Sex	Ethnicity	Race	Total Visits
1						12
1	496003, PATIENT	09/24/2016	M		White	12


SACVALLEY MEDSHARE
Back
Home
Patient Visit Detail
Facility All Values (16)
Patient Name 496003, PATIENT
Provider Visit Date Facility Day of Week Time of Day
1 , () 2017/12/10 Facility 14 Sun 08
2 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/12/09 Facility 13 Sat 23
3 PHYSICIAN33688, 33688 (AAU%%T>AA%) 2017/10/31 Facility 4 Tue 14
4 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/08/12 Facility 13 Sat 23
5 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/03/23 Facility 13 Thu 23
6 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/03/23 Facility 13 Thu 23
7 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/03/23 Facility 13 Thu 23
8 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/03/23 Facility 13 Thu 23
9 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/02/05 Facility 13 Sun 23
10 PHYSICIAN161353, 161353 (A%PI/IUT*/PPPUPP) 2017/02/05 Facility 13 Sun 23
0 1 2 3 4 5
Mon Tue Thu Sat Sun
0 1 2 3 4 5 6 7 8 9
8am-5pm 10pm-5am 5-8am


SACVALLEY MEDSHARE
Back
Home
Account Detail
Facility: Facility 13
PCP: , (
Pat Name: 496003, PATIENT
Account ID: *>AJYYOPPYIY*PPTJ%%OBXJ%B$J
Diagnosis List
Diag Code Diag Desc Diag Sequence
B349 Viral disease 1
J209 Bronchitis 2
L259 Contact dermatitis 3
Z00129 Encounter for routine child health examination without abnormal findings 4
Procedure List
Proc Code Desc
Insurance List
Ins Name Effective Date Expiration Date Based on Visit Date
ed9819eec864c3efd1a855719cade6d1 2017/10/30 2017/03/23
Single Patient visit detail in Utilization

Office Visit Patient List Displays Office, Clinic, Inpatient, and Other visits for patient within selected time periods. Filtering available for facility, month, and all visits, office or non-office visits. Mouse hover expands visit description