



2019 STFM Conference on

Practice & Quality Improvement

How do Registries, Population Health, and Quality Metrics affect residency education and Patient Care?

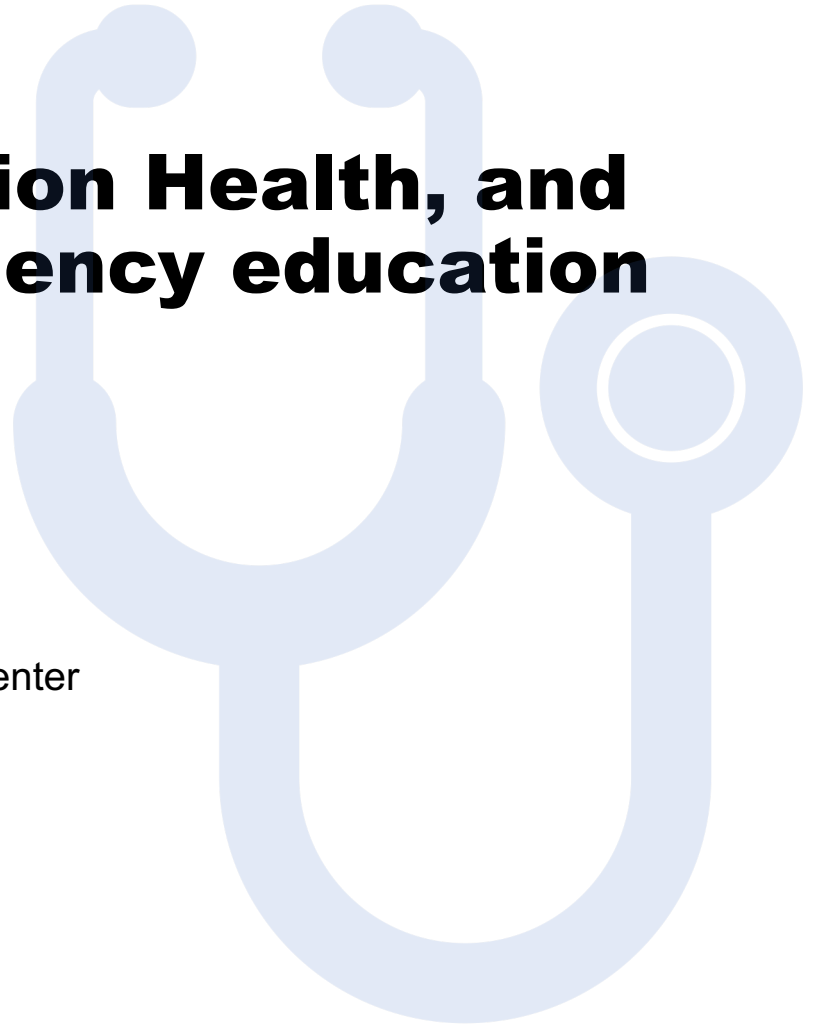


David Voran, MD

Medical and Informatics Director – Family Medicine Center

Truman Medical Center – Lakewood

Kansas City





Or...

**From raking leaves to
managing a forrest**

...the journey begins



Health Sciences District



Lakewood



Behavioral Health



University Health

2 Inpatient
facilities

Level I Trauma Center

600 beds

60 clinics

7 Community
clinics

4K employees

625 medical
staff

1,348
nursing staff

3,428
births

86K+
ED visits

1,395
Trauma admissions

30K+
myTruHealth patient
portal accounts

11,153
Surgical cases

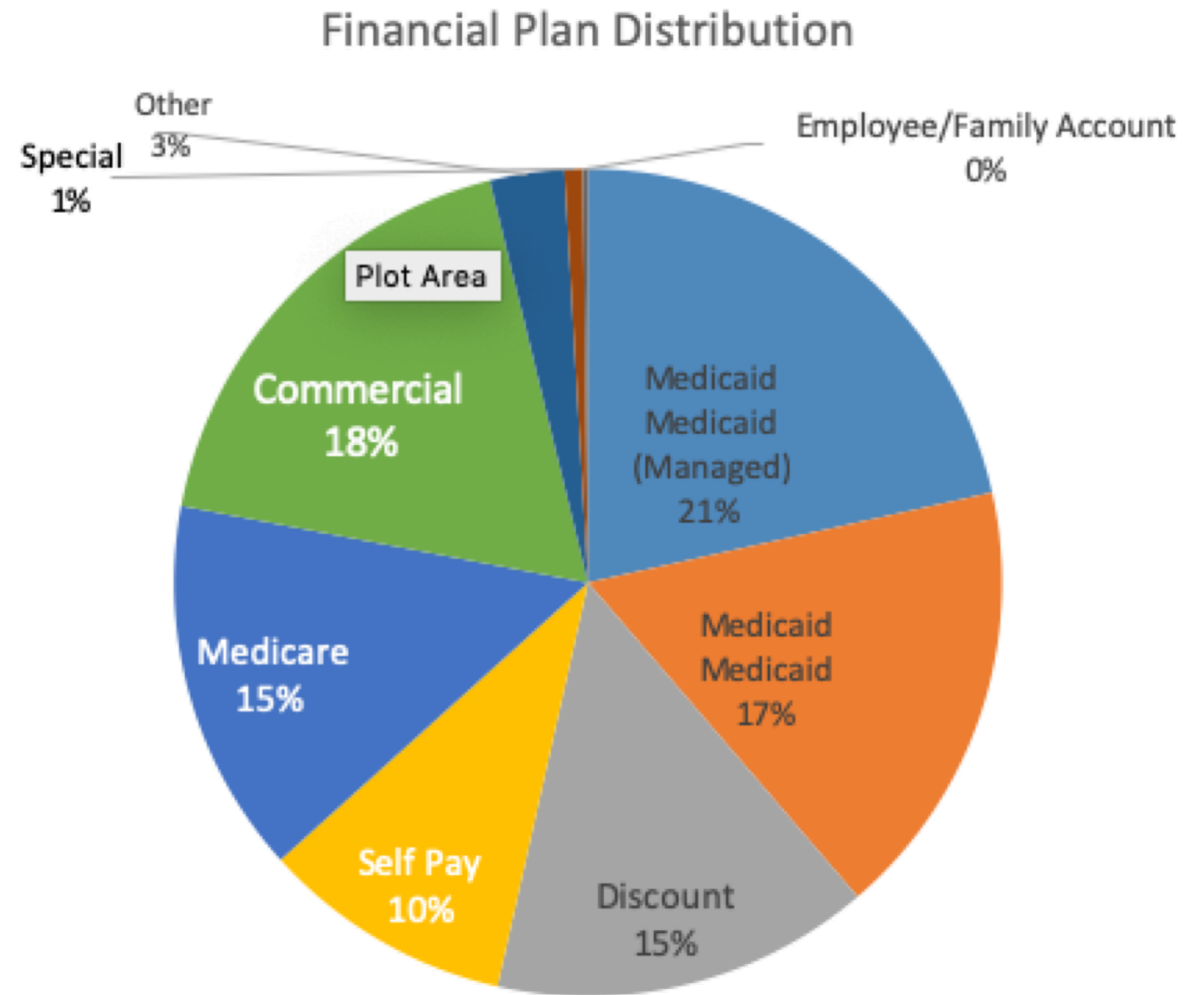
490K+
Outpatient visits

22,602
Acute admissions

As the regional SafetyNet organization we average >\$100M in uncompensated care annually over the last 10 years



The reality:
63% of patients are
Medicaid, discount or
have no insurance



Agenda

1

Describe our
dashboard

2

Review our
methods

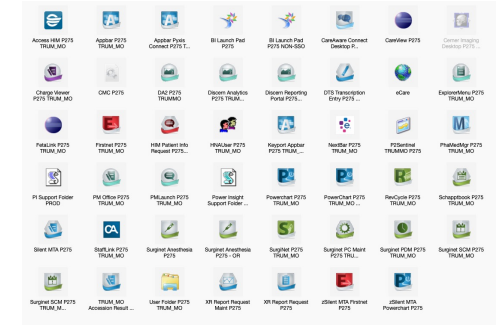
3

Discuss impact

Constantly Changing

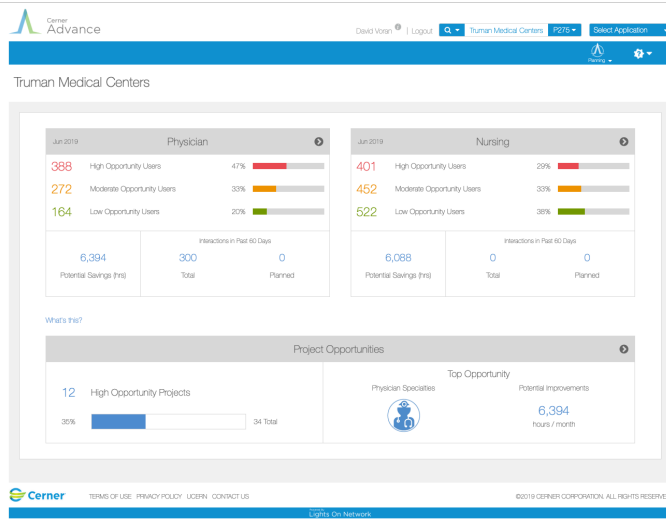
[illegible]

Data Visualization



“Internal” sources of the data

Millennium and Rev Cycle



Patient ID	Risk Score	Various Clinical Indicators
10000000000000000000	1.0	1.0
10000000000000000001	1.0	1.0
10000000000000000002	1.0	1.0
10000000000000000003	1.0	1.0
10000000000000000004	1.0	1.0
10000000000000000005	1.0	1.0
10000000000000000006	1.0	1.0
10000000000000000007	1.0	1.0
10000000000000000008	1.0	1.0
10000000000000000009	1.0	1.0
10000000000000000010	1.0	1.0
10000000000000000011	1.0	1.0
10000000000000000012	1.0	1.0
10000000000000000013	1.0	1.0
10000000000000000014	1.0	1.0
10000000000000000015	1.0	1.0
10000000000000000016	1.0	1.0
10000000000000000017	1.0	1.0
10000000000000000018	1.0	1.0
10000000000000000019	1.0	1.0
10000000000000000020	1.0	1.0
10000000000000000021	1.0	1.0
10000000000000000022	1.0	1.0
10000000000000000023	1.0	1.0
10000000000000000024	1.0	1.0
10000000000000000025	1.0	1.0
10000000000000000026	1.0	1.0
10000000000000000027	1.0	1.0
10000000000000000028	1.0	1.0
10000000000000000029	1.0	1.0
10000000000000000030	1.0	1.0
10000000000000000031	1.0	1.0
10000000000000000032	1.0	1.0
10000000000000000033	1.0	1.0
10000000000000000034	1.0	1.0
10000000000000000035	1.0	1.0
10000000000000000036	1.0	1.0
10000000000000000037	1.0	1.0
10000000000000000038	1.0	1.0
10000000000000000039	1.0	1.0
10000000000000000040	1.0	1.0
10000000000000000041	1.0	1.0
10000000000000000042	1.0	1.0
10000000000000000043	1.0	1.0
10000000000000000044	1.0	1.0
10000000000000000045	1.0	1.0
10000000000000000046	1.0	1.0
10000000000000000047	1.0	1.0
10000000000000000048	1.0	1.0
10000000000000000049	1.0	1.0
10000000000000000050	1.0	1.0
10000000000000000051	1.0	1.0
10000000000000000052	1.0	1.0
10000000000000000053	1.0	1.0
10000000000000000054	1.0	1.0
10000000000000000055	1.0	1.0
10000000000000000056	1.0	1.0
10000000000000000057	1.0	1.0
10000000000000000058	1.0	1.0
10000000000000000059	1.0	1.0
10000000000000000060	1.0	1.0
10000000000000000061	1.0	1.0
10000000000000000062	1.0	1.0
10000000000000000063	1.0	1.0
10000000000000000064	1.0	1.0
10000000000000000065	1.0	1.0
10000000000000000066	1.0	1.0
10000000000000000067	1.0	1.0
10000000000000000068	1.0	1.0
10000000000000000069	1.0	1.0
10000000000000000070	1.0	1.0
10000000000000000071	1.0	1.0
10000000000000000072	1.0	1.0
10000000000000000073	1.0	1.0
10000000000000000074	1.0	1.0
10000000000000000075	1.0	1.0
10000000000000000076	1.0	1.0
10000000000000000077	1.0	1.0
10000000000000000078	1.0	1.0
10000000000000000079	1.0	1.0
10000000000000000080	1.0	1.0
10000000000000000081	1.0	1.0
10000000000000000082	1.0	1.0
10000000000000000083	1.0	1.0
10000000000000000084	1.0	1.0
10000000000000000085	1.0	1.0
10000000000000000086	1.0	1.0
10000000000000000087	1.0	1.0
10000000000000000088	1.0	1.0
10000000000000000089	1.0	1.0
10000000000000000090	1.0	1.0
10000000000000000091	1.0	1.0
10000000000000000092	1.0	1.0
10000000000000000093	1.0	1.0
10000000000000000094	1.0	1.0
10000000000000000095	1.0	1.0
10000000000000000096	1.0	1.0
10000000000000000097	1.0	1.0
10000000000000000098	1.0	1.0
10000000000000000099	1.0	1.0
10000000000000000100	1.0	1.0

CMS.gov
Centers for Medicare & Medicaid Services

Home | About CMS | Newsroom | Archive | Share | Help | Print

type search term here Search

Medicare **Medicaid/CHIP** **Medicare-Medicaid Coordination** **Private Insurance** **Innovation Center** **Regulations & Guidance** **Research, Statistics, Data & Systems** **Outreach & Education**

Home > Medicare > Physician Fee Schedule > PFS Federal Regulation Notices Items > Details for title: CMS-1693-F

Physician Fee Schedule
Return to List

Details for title: CMS-1693-F

Regulation #	CMS-1693-F
Display Date	2018-11-01
Publication Date	2018-11-23
Calendar Year	2019
Regulation Type	Final Rule
Description	Revisions to Payment Policies under the Medicare Physician Fee Schedule, Quality Payment Program and Other Revisions to Part B for CY 2019
Comment Period Date	2018-12-31
Supporting Documentation	See Downloads section below.

The final rule with comment went on display at the Office of the Federal Register's Public Inspection Desk on November 1, 2018, and will be available until the regulation is published on November 23, 2018. The comment period will close on December 31, 2018. See CMS-1693-F in the "Related Links" section below.

Downloads

- [CY 2019 PFS Final Rule Addenda \(ZIP, 1MB\)](#)
- [CY 2019 PFS Final Rule Sample PE Worksheet \(ZIP, 214KB\)](#)
- [CY 2019 PFS Final Rule Direct PE Inputs \(ZIP, 7MB\)](#)
- [CY 2019 PFS Final Rule Indirect Practice Cost Indices \(ZIP, 11KB\)](#)
- [CY 2019 PFS Final Rule Physician Time \(Updated 12/6/18\) \(ZIP, 646KB\)](#)
- [CY 2019 PFS Final Rule PE/HR \(ZIP, 20KB\)](#)
- [CY 2017 Utilization Data Crosswalk to CY 2019 \(ZIP, 10MB\)](#)
- [CY 2018 Analytic Crosswalk to CY 2019 \(ZIP, 24KB\)](#)
- [CY 2019 PFS Final Rule CPT Codes Subject to 90 Percent Usage Rate \(ZIP, 15KB\)](#)
- [CY 2019 PFS Final Rule Outpatient Cap List \(ZIP, 27KB\)](#)
- [CY 2019 PFS Final Rule Codes Subject to Phase-In \(ZIP, 17KB\)](#)
- [CY 2019 Final Rule List of Telehealth Services \(ZIP, 16KB\)](#)
- [CY 2019 Final Rule List of Designated Care Management Services \(ZIP, 13KB\)](#)
- [CY 2019 PFS Final Rule Calculation of PE RVUs under Methodology for Selected Codes \(ZIP, 19KB\)](#)
- [CY 2019 PFS Final Rule Impact on Payment for Selected Procedures \(ZIP, 17KB\)](#)
- [CY 2019 PFS Final Rule Malpractice Risk Factors and Premium Amounts by Specialty \(ZIP, 15KB\)](#)
- [CY 2019 PFS Final Rule Invasive Cardiology Services Outside of Surgical Range \(ZIP, 15KB\)](#)
- [CY 2019 PFS Final Rule Multiple Procedure Payment Reduction Files \(ZIP, 61KB\)](#)
- [CY 2019 PFS Final Rule Anticipated Specialty Assignment for Low Volume Services \(ZIP, 48KB\)](#)
- [CY 2019 PFS Final Rule Clinical Labor Activity Codes Crosswalk \(ZIP, 86KB\)](#)

“External” Data sources

HealthIntent, Cerner Advance,
CMS, local patient satisfaction database

Photos by Unknown Author is licensed under CC BY-NC-N

Original Reasons

- Understand practice profile
- Track resident experience
- Submit ACGME reports
- Know our patients
- Increase transparency

Track resident experience

Know our patients

Increase transparency

- More Recent Objectives
 - Better educate residents for value-based care
 - Improve workflows
 - Close care gaps
 - Shifts focus from individual to group
 - Leaves > Trees

Improve workflows

Shifts focus from individual to group

Leaves > Trees

Prepare residents for data driven world



The Dashboard

November 2019
Version

Numerical Section Details

Community and Family Medicine Residency Dashboard

Academic Year		2019-2020		Panel Size		MARA Risk																					
Last Updated		10/2/19		12,077		3.1																					
Demographics				Progress				Panel and Visit Distribution				Patient Engagement				Quality Measures		EHR Usage		Productivity and Financials							
Resident	<div><div></div><div></div></div> Degree	<div><div></div><div></div></div> ClassOf	<div><div></div><div></div></div> PCMH	<div><div></div><div></div></div> Block	<div><div></div><div></div></div> Continuity V	<div><div></div><div></div></div> Status	<div><div></div><div></div></div> Deliveries	<div><div></div><div></div></div> Inpt Visits	<div><div></div><div></div></div> Panel	<div><div></div><div></div></div> Pt Risk	<div><div></div><div></div></div> % New	<div><div></div><div></div></div> % Pediatric	<div><div></div><div></div></div> % Seniors	<div><div></div><div></div></div> No Show %	<div><div></div><div></div></div> Saw PTP	<div><div></div><div></div></div> Msg2Pts	<div><div></div><div></div></div> PtMsg	<div><div></div><div></div></div> Registry	<div><div></div><div></div></div> MedRec%	<div><div></div><div></div></div> Pajama Time	<div><div></div><div></div></div> Pajama %	<div><div></div><div></div></div> Total Charges	<div><div></div><div></div></div> Total wRVU	<div><div></div><div></div></div> Clinic Charges	<div><div></div><div></div></div> Clinic wRVU		
	DO	2020	Chiefs	29	1,610	<div><div></div><div></div></div> 366	<div><div></div><div></div></div> 54	<div><div></div><div></div></div> 1,478	187	2.5	<div><div></div><div></div></div> 8%	<div><div></div><div></div></div> 15%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 22.5%	<div><div></div><div></div></div> 64.3%	<div><div></div><div></div></div> 23	<div><div></div><div></div></div> 13	<div><div></div><div></div></div> 64%	<div><div></div><div></div></div> 87%	15	<div><div></div><div></div></div> 6%	\$	209,475	5,812	\$	92,639.95	2,570.5
	MD	2022	Royals	3	68	<div><div></div><div></div></div> -73	<div><div></div><div></div></div> 87	<div><div></div><div></div></div> 87	14	2.2	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 13%	<div><div></div><div></div></div> 13.2%	<div><div></div><div></div></div> 63.6%	<div><div></div><div></div></div> 23	<div><div></div><div></div></div> 21	<div><div></div><div></div></div> 68%	<div><div></div><div></div></div> 58%	7	<div><div></div><div></div></div> 3%	\$	11,584	321	\$	5,486.95	152.3
	MD	2022	Royals	3	88	<div><div></div><div></div></div> -53	<div><div></div><div></div></div> 14	<div><div></div><div></div></div> 200	155	3.5	<div><div></div><div></div></div> 22%	<div><div></div><div></div></div> 15%	<div><div></div><div></div></div> 35%	<div><div></div><div></div></div> 19.3%	<div><div></div><div></div></div> 40.2%	<div><div></div><div></div></div> 140	<div><div></div><div></div></div> 133	<div><div></div><div></div></div> 58%	<div><div></div><div></div></div> 100%	151	<div><div></div><div></div></div> 15%	\$	45,542	1,264	\$	7,681.01	213.1
	MD	2020	Chiefs	29	1,479	<div><div></div><div></div></div> 235	<div><div></div><div></div></div> 52	<div><div></div><div></div></div> 1,193	449	3.4	<div><div></div><div></div></div> 7%	<div><div></div><div></div></div> 17%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 22.2%	<div><div></div><div></div></div> 70.3%	<div><div></div><div></div></div> 103	<div><div></div><div></div></div> 84	<div><div></div><div></div></div> 61%	<div><div></div><div></div></div> 67%	56	<div><div></div><div></div></div> 5%	\$	203,012	5,633	\$	87,997.75	2,441.7
	MD	2022	Mavericks	3	98	<div><div></div><div></div></div> -43	<div><div></div><div></div></div> 163	<div><div></div><div></div></div> 163	178	2.3	<div><div></div><div></div></div> 9%	<div><div></div><div></div></div> 17%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 24.5%	<div><div></div><div></div></div> 19.4%	<div><div></div><div></div></div> 1	<div><div></div><div></div></div> 1	<div><div></div><div></div></div> 58%	<div><div></div><div></div></div> 71%	58	<div><div></div><div></div></div> 4%	\$	15,282	424	\$	7,457.93	206.9
	MD	2022	Chiefs	3	66	<div><div></div><div></div></div> -75	<div><div></div><div></div></div> 167	<div><div></div><div></div></div> 167	186	3.3	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 11%	<div><div></div><div></div></div> 24%	<div><div></div><div></div></div> 31.8%	<div><div></div><div></div></div> 22.6%	<div><div></div><div></div></div> 2	<div><div></div><div></div></div> 4	<div><div></div><div></div></div> 52%	<div><div></div><div></div></div> 62%	3	<div><div></div><div></div></div> 1%	\$	16,271	451	\$	5,377.75	149.2
	DO	2021	Chiefs	16	600	<div><div></div><div></div></div> -92	<div><div></div><div></div></div> 36	<div><div></div><div></div></div> 729	422	4.0	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 16.1%	<div><div></div><div></div></div> 42.3%	<div><div></div><div></div></div> 99	<div><div></div><div></div></div> 75	<div><div></div><div></div></div> 65%	<div><div></div><div></div></div> 88%	13	<div><div></div><div></div></div> 4%	\$	107,828	2,992	\$	29,703.79	824.2
	MD	2021	Chiefs	16	602	<div><div></div><div></div></div> -90	<div><div></div><div></div></div> 27	<div><div></div><div></div></div> 587	397	2.6	<div><div></div><div></div></div> 8%	<div><div></div><div></div></div> 20%	<div><div></div><div></div></div> 13%	<div><div></div><div></div></div> 20.8%	<div><div></div><div></div></div> 45.1%	<div><div></div><div></div></div> 60	<div><div></div><div></div></div> 88	<div><div></div><div></div></div> 60%	<div><div></div><div></div></div> 9%	63	<div><div></div><div></div></div> 12%	\$	86,821	2,409	\$	33,518.89	930.1
	DO	2021	Royals	16	633	<div><div></div><div></div></div> -59	<div><div></div><div></div></div> 36	<div><div></div><div></div></div> 701	183	2.1	<div><div></div><div></div></div> 8%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 16.2%	<div><div></div><div></div></div> 54.9%	<div><div></div><div></div></div> 8	<div><div></div><div></div></div> 12	<div><div></div><div></div></div> 60%	<div><div></div><div></div></div> 82%	14	<div><div></div><div></div></div> 6%	\$	116,002	3,219	\$	31,648.46	878.2
	MD	2021	Mavericks	16	665	<div><div></div><div></div></div> -27	<div><div></div><div></div></div> 31	<div><div></div><div></div></div> 890	461	3.6	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 21%	<div><div></div><div></div></div> 15%	<div><div></div><div></div></div> 16.4%	<div><div></div><div></div></div> 49.8%	<div><div></div><div></div></div> 73	<div><div></div><div></div></div> 65	<div><div></div><div></div></div> 62%	<div><div></div><div></div></div> 97%	57	<div><div></div><div></div></div> 11%	\$	107,959	2,996	\$	34,079.65	945.6
	DO	2022	Mavericks	3	85	<div><div></div><div></div></div> -56	<div><div></div><div></div></div> 201	<div><div></div><div></div></div> 201	215	4.3	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 29%	<div><div></div><div></div></div> 15%	<div><div></div><div></div></div> 14.1%	<div><div></div><div></div></div> 32.8%	<div><div></div><div></div></div> 8	<div><div></div><div></div></div> 6	<div><div></div><div></div></div> 54%	<div><div></div><div></div></div> 89%	18	<div><div></div><div></div></div> 6%	\$	13,099	363	\$	6,761.30	187.6
	DO	2021	Royals	16	659	<div><div></div><div></div></div> -33	<div><div></div><div></div></div> 23	<div><div></div><div></div></div> 838	319	3.8	<div><div></div><div></div></div> 5%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 19%	<div><div></div><div></div></div> 25.4%	<div><div></div><div></div></div> 0.5%	<div><div></div><div></div></div> 63	<div><div></div><div></div></div> 66	<div><div></div><div></div></div> 66%	<div><div></div><div></div></div> 58%	15	<div><div></div><div></div></div> 10%	\$	89,507	2,484	\$	34,085.42	945.8
	MD	2020	Mavericks	29	1,629	<div><div></div><div></div></div> 385	<div><div></div><div></div></div> 59	<div><div></div><div></div></div> 1,175	442	2.5	<div><div></div><div></div></div> 5%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 17%	<div><div></div><div></div></div> 14.4%	<div><div></div><div></div></div> 72.2%	<div><div></div><div></div></div> 8	<div><div></div><div></div></div> 14	<div><div></div><div></div></div> 56%	<div><div></div><div></div></div> 11%	36	<div><div></div><div></div></div> 4%	\$	209,663	5,818	\$	77,352.16	2,146.3
	MD	2021	Chiefs	16	607	<div><div></div><div></div></div> -85	<div><div></div><div></div></div> 41	<div><div></div><div></div></div> 756	405	2.2	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 15%	<div><div></div><div></div></div> 19.4%	<div><div></div><div></div></div> 56.5%	<div><div></div><div></div></div> 68	<div><div></div><div></div></div> 76	<div><div></div><div></div></div> 66%	<div><div></div><div></div></div> 72%	89	<div><div></div><div></div></div> 11%	\$	102,731	2,851	\$	36,613.56	1,015.9
	MD	2022	Chiefs	3	101	<div><div></div><div></div></div> -40	<div><div></div><div></div></div> 15	<div><div></div><div></div></div> 154	222	2.9	<div><div></div><div></div></div> 10%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 18.5%	<div><div></div><div></div></div> 38.5%	<div><div></div><div></div></div> 33	<div><div></div><div></div></div> 32	<div><div></div><div></div></div> 55%	<div><div></div><div></div></div> 86%	214	<div><div></div><div></div></div> 26%	\$	37,231	1,033	\$	9,027.43	250.5
	DO	2020	Mavericks	29	1,522	<div><div></div><div></div></div> 278	<div><div></div><div></div></div> 50	<div><div></div><div></div></div> 1,391	395	3.3	<div><div></div><div></div></div> 15%	<div><div></div><div></div></div> 11%	<div><div></div><div></div></div> 24%	<div><div></div><div></div></div> 15.8%	<div><div></div><div></div></div> 69.7%	<div><div></div><div></div></div> 14	<div><div></div><div></div></div> 37	<div><div></div><div></div></div> 69%	<div><div></div><div></div></div> 91%	39	<div><div></div><div></div></div> 7%	\$	192,220	5,334	\$	75,789.87	2,103.0
	MD	2020	Chiefs	29	1,639	<div><div></div><div></div></div> 395	<div><div></div><div></div></div> 53	<div><div></div><div></div></div> 1,310	467	3.3	<div><div></div><div></div></div> 4%	<div><div></div><div></div></div> 17%	<div><div></div><div></div></div> 19%	<div><div></div><div></div></div> 16.8%	<div><div></div><div></div></div> 72.2%	<div><div></div><div></div></div> 78	<div><div></div><div></div></div> 54	<div><div></div><div></div></div> 67%	<div><div></div><div></div></div> 37%	69	<div><div></div><div></div></div> 9%	\$	200,479	5,563	\$	92,685.36	2,571.8
	MD	2022	Mavericks	3	63	<div><div></div><div></div></div> -78	<div><div></div><div></div></div> 13	<div><div></div><div></div></div> 206	168	4.1	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 17%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 19.5%	<div><div></div><div></div></div> 23.3%	<div><div></div><div></div></div> 36	<div><div></div><div></div></div> 32	<div><div></div><div></div></div> 64%	<div><div></div><div></div></div> 72%	2	<div><div></div><div></div></div> 0%	\$	30,046	834	\$	5,087.64	141.2
	DO	2020	Royals	29	1,555	<div><div></div><div></div></div> 311	<div><div></div><div></div></div> 62	<div><div></div><div></div></div> 1,335	392	4.0	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 15.9%	<div><div></div><div></div></div> 72.9%	<div><div></div><div></div></div> 97	<div><div></div><div></div></div> 70	<div><div></div><div></div></div> 55%	<div><div></div><div></div></div> 87%	64	<div><div></div><div></div></div> 9%	\$	202,184	5,610	\$	77,663.54	2,155.0
	MD	2021	Mavericks	16	752	<div><div></div><div></div></div> 60	<div><div></div><div></div></div> 20	<div><div></div><div></div></div> 733	527	2.7	<div><div></div><div></div></div> 5%	<div><div></div><div></div></div> 13%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 17.9%	<div><div></div><div></div></div> 58.3%	<div><div></div><div></div></div> 72	<div><div></div><div></div></div> 99	<div><div></div><div></div></div> 60%	<div><div></div><div></div></div> 97%	143	<div><div></div><div></div></div> 8%	\$	87,748	2,435	\$	42,989.96	1,192.9
	DO	2022	Chiefs	3	88	<div><div></div><div></div></div> -53	<div><div></div><div></div></div> 13	<div><div></div><div></div></div> 182	239	2.4	<div><div></div><div></div></div> 4%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 19.8%	<div><div></div><div></div></div> 30.1%	<div><div></div><div></div></div> 63	<div><div></div><div></div></div> 65	<div><div></div><div></div></div> 58%	<div><div></div><div></div></div> 100%	19	<div><div></div><div></div></div> 4%	\$	29,499	819	\$	7,232.69	200.7
	MD	2020	Royals	29	1,694	<div><div></div><div></div></div> 450	<div><div></div><div></div></div> 66	<div><div></div><div></div></div> 1,388	529	4.2	<div><div></div><div></div></div> 22%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 16%	<div><div></div><div></div></div> 13.6%	<div><div></div><div></div></div> 69.3%	<div><div></div><div></div></div> 191	<div><div></div><div></div></div> 182	<div><div></div><div></div></div> 61%	<div><div></div><div></div></div> 96%	123	<div><div></div><div></div></div> 13%	\$	228,409	6,338	\$	92,610.04	2,569.7
	MD	2022	Mavericks	3	78	<div><div></div><div></div></div> -63	<div><div></div><div></div></div> 11	<div><div></div><div></div></div> 212	200	3.2	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 20%	<div><div></div><div></div></div> 19.9%	<div><div></div><div></div></div> 14.6%	<div><div></div><div></div></div> 46	<div><div></div><div></div></div> 63	<div><div></div><div></div></div> 72%	<div><div></div><div></div></div> 94%	102	<div><div></div><div></div></div> 18%	\$	29,595	821	\$	5,848.06	162.3
	MD	2021	Royals	16	611	<div><div></div><div></div></div> -81	<div><div></div><div></div></div> 45	<div><div></div><div></div></div> 813	431	3.4	<div><div></div><div></div></div> 8%	<div><div></div><div></div></div> 29%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 15.4%	<div><div></div><div></div></div> 44.1%	<div><div></div><div></div></div> 46	<div><div></div><div></div></div> 63	<div><div></div><div></div></div> 61%	<div><div></div><div></div></div> 70%	10	<div><div></div><div></div></div> 2%	\$	115,559	3,206	\$	31,476.91	873.4
	DO	2021	Royals	16	695	<div><div></div><div></div></div> 3	<div><div></div><div></div></div> 28	<div><div></div><div></div></div> 664	378	3.5	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 12%	<div><div></div><div></div></div> 20%	<div><div></div><div></div></div> 26.8%	<div><div></div><div></div></div> 51.7%	<div><div></div><div></div></div> 69	<div><div></div><div></div></div> 53	<div><div></div><div></div></div> 61%	<div><div></div><div></div></div> 64%	138	<div><div></div><div></div></div> 11%	\$	93,813	2,603	\$	37,329.30	1,035.8
	DO	2020	Royals	29	1,624	<div><div></div><div></div></div> 380	<div><div></div><div></div></div> 89	<div><div></div><div></div></div> 1,428	461	2.8	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 19%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 26.8%	<div><div></div><div></div></div> 69.6%	<div><div></div><div></div></div> 24	<div><div></div><div></div></div> 28	<div><div></div><div></div></div> 61%	<div><div></div><div></div></div> 95%	210	<div><div></div><div></div></div> 33%	\$	272,200	7,553	\$	85,947.85	2,384.9
	MD	2020	Mavericks	29	1,525	<div><div></div><div></div></div> 281	<div><div></div><div></div></div> 45	<div><div></div><div></div></div> 1,430	480	2.7	<div><div></div><div></div></div> 7%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 17%	<div><div></div><div></div></div> 31.1%	<div><div></div><div></div></div> 62.7%	<div><div></div><div></div></div> 8	<div><div></div><div></div></div> 4	<div><div></div><div></div></div> 62%	<div><div></div><div></div></div> 47%	37	<div><div></div><div></div></div> 14%	\$	204,289	5,669	\$	85,562.95	2,374.2
	DO	2021	Mavericks	16	590	<div><div></div><div></div></div> -102	<div><div></div><div></div></div> 45	<div><div></div><div></div></div> 598	370	2.8	<div><div></div><div></div></div> 7%	<div><div></div><div></div></div> 19%	<div><div></div><div></div></div> 9%	<div><div></div><div></div></div> 19.5%	<div><div></div><div></div></div> 41.7%	<div><div></div><div></div></div> 26	<div><div></div><div></div></div> 38	<div><div></div><div></div></div> 61%	<div><div></div><div></div></div> 85%	34	<div><div></div><div></div></div> 9%	\$	120,324	3,339	\$	28,438.81	789.1
	DO	2021	Mavericks	16	696	<div><div></div><div></div></div> 4	<div><div></div><div></div></div> 22	<div><div></div><div></div></div> 886	345	3.0	<div><div></div><div></div></div> 6%	<div><div></div><div></div></div> 18%	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 12.8%	<div><div></div><div></div></div> 42.9%	<div><div></div><div></div></div> 18	<div><div></div><div></div></div> 15	<div><div></div><div></div></div> 59%	<div><div></div><div></div></div> 61%	33	<div><div></div><div></div></div> 8%	\$	106,793	2,963	\$	37,589.50	1,043.0
	MD	2021	Chiefs	16	534	<div><div></div><div></div></div> -158	<div><div></div><div></div></div> 21	<div><div></div><div></div></div> 918	427	3.4	<div><div></div><div></div></div> 7%	<div><div></div><div></div></div> 21%	<div><div></div><div></div></div> 13%	<div><div></div><div></div></div> 16.8%	<div><div></div><div></div></div> 41.2%	<div><div></div><div></div></div> 22	<div><div></div><div></div></div> 57	<div><div></div><div></div></div> 64%	<div><div></div><div></div></div> 76%	50	<div><div></div><div></div></div> 5%	\$	91,100	2,528	\$	29,814.07	827.3
	DO	2022	Royals	3	85	<div><div></div><div></div></div> -56	<div><div></div><div></div></div> 138	<div><div></div><div></div></div> 138	236	2.9	<div><div></div><div></div></div> 14%	<div><div></div><div></div></div> 8%	<div><div></div><div></div></div> 31%	<div><div></div><div></div></div> 19.0%	<div><div></div><div></div></div> 30.9%	<div><div></div><div></div></div> 1	<div><div></div><div></div></div> 1	<div><div></div><div></div></div> 71%	<div><div></div><div></div></div> 21%	30	<div><div></div><div></div></div> 3%	\$	11,716	325	\$	6,936.09	192.5
	MD	2020	Chiefs	29	1,437	<div><div></div><div></div></div> 193	<div><div></div><div></div></div> 54																				

Demographics

Resident
Degree
Class
PCMH

Progress

Current Block
Continuity Visits
Continuity Status

Panel

Size
% New
% Peds
% Seniors

Engagement

No Show Rate
Continuity Rate
Portal Use

Pt Satisfaction
...coming soon

Quality

Overall
Registry
Score

Med Rec

EHR Use

Pajama Time

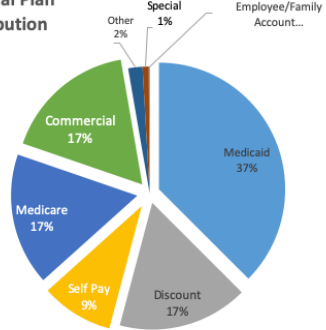
Productivity

Total Charges
wRVUs
Clinic Charges
wRVUs

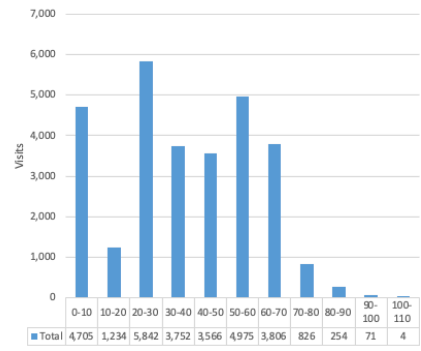
Data Visualization

Practice Description

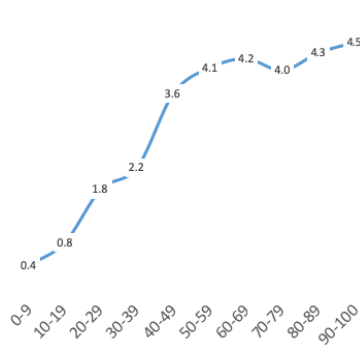
Financial Plan Distribution



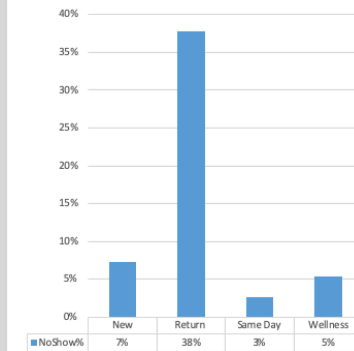
FMC Patient Age. Distribution



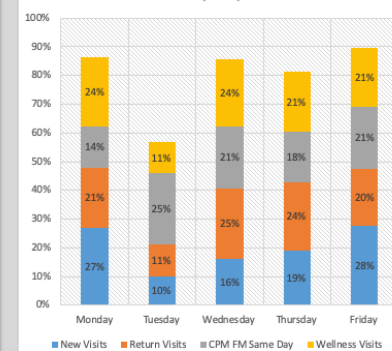
Average MARA Risk Score by Age



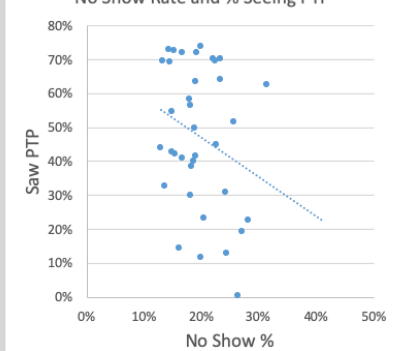
NoShow% by Visit Type



No Shows by Days of Week

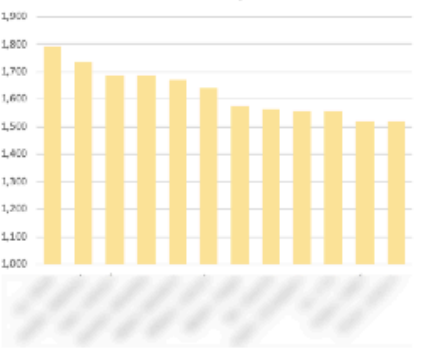


No Show Rate and % Seeing PTP

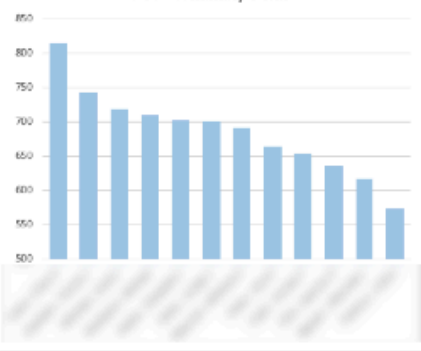


Resident Progress

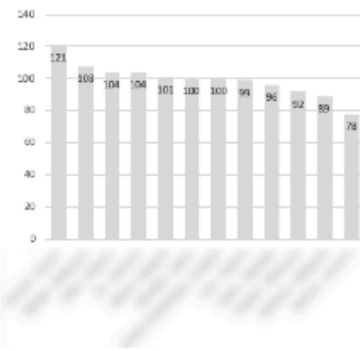
PGY3 Continuity Visits



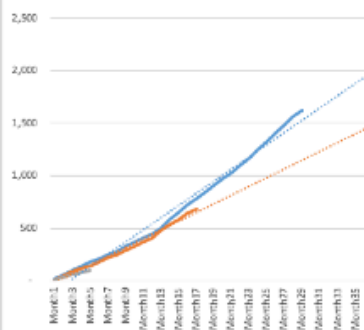
PGY2 Continuity Visits



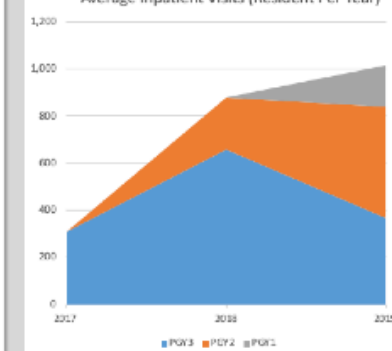
PGY1 Continuity Visits



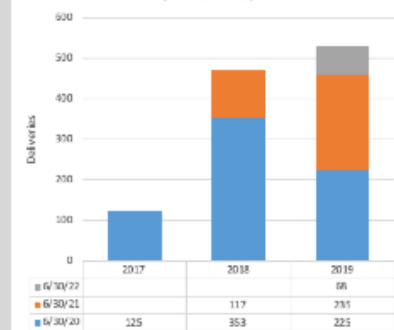
Cumulative Continuity Visits by Class by Month



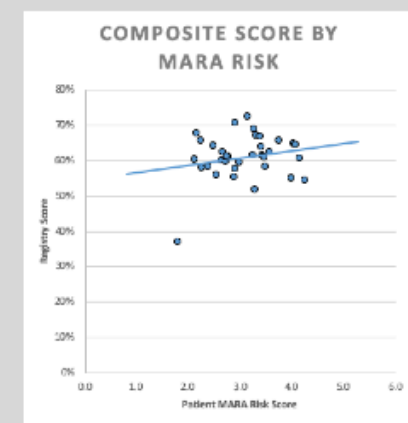
Average Inpatient Visits (Resident Per Year)



Deliveries by Class per Year (Graduation Date)



Registry and Quality Measures

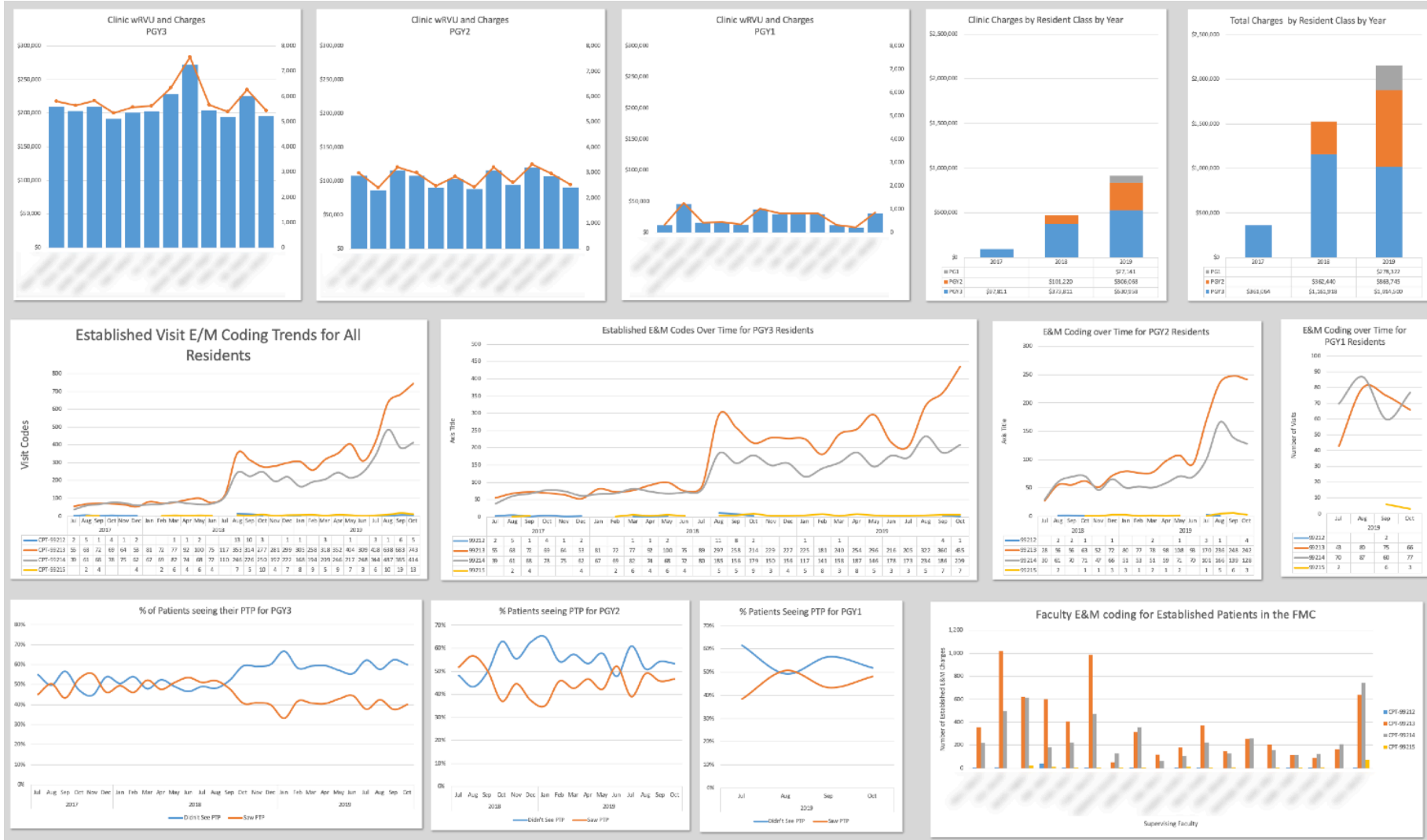


Pajama Time % By Residents

Statistic	Value (%)
Minimum	0
Q1	~4
Median	~8
Q3	~12.5
Maximum	~18
Outliers	~25.5, ~27.5, ~30.5, ~31, ~33

Data Visualization

Charges, wRVU's, E&M Coding Patterns





Making It All Real

How to get residents interested, involved, engaged, and getting the “BIG” picture

1

Open up Access to
Reports, Registries
and Management
Dashboards

2

Integrate Population
Health and Quality
Measures into
Rotations, Clinics
and Clinic Visits

3

Help residents
connect the dots and
start to think
proactively

Methodology

Step 1: Transparency

Reports | **Domains** | **Revenue Cycle - Aged AR by Health Plan** | **Revenue Cycle - Aged AR Detail**

Revenue Cycle - Aged AR Detail - Standard
 Active Dates Between 2018-10-01 00:00:00-0000 and 2018-10-13 23:59:59-0000
 Billing Entry Name Includes TMC Lawwood
 Facility Includes LV Family Med

Type Filter tree

- Infection Control
- Lab Reports
- Operator
- Patient Accounting Reports
 - AR Reports
 - Revenue Cycle - Active Patient Aged AR
 - Revenue Cycle - Aged AR by Facility
 - Revenue Cycle - Aged AR by Facility and Provider
 - Revenue Cycle - Aged AR by Facility with Self Pay Split
 - Revenue Cycle - Aged AR by Financial Class
 - Revenue Cycle - Aged AR by Financial Class and Health Pl.
 - Revenue Cycle - Aged AR by Health Plan
 - Revenue Cycle - Aged AR by Patient
 - Revenue Cycle - Aged AR by Provider
 - Revenue Cycle - Aged AR by Provider and Facility
 - Revenue Cycle - Aged AR Detail
 - Revenue Cycle - Aged AR Detail Analysis (Credit) by Prime
 - Revenue Cycle - Aged AR Detail Analysis (Credit) by Provider
 - Revenue Cycle - Aged AR Detail Analysis (Debit) by Prime
 - Revenue Cycle - Aged AR Detail Analysis (Debit) by Respo
 - Revenue Cycle - Aged AR Detail Analysis by Responsible F
 - Revenue Cycle - Aging by Balance
 - Revenue Cycle - AR Analysis Balance Greater Than \$50,000
 - Revenue Cycle - AR Analysis Report
 - Revenue Cycle - AR Extract
 - Revenue Cycle - AR Greater Than 90 And 120
 - Revenue Cycle - Daily AR Summary
 - Revenue Cycle - Daily AR Summary by Facility
 - Revenue Cycle - Daily AR Summary by Facility and Financial
 - Revenue Cycle - Daily AR Summary by Facility and Provider
 - Revenue Cycle - Daily AR Summary by Financial Class
 - Revenue Cycle - Daily AR Summary by Provider
 - Revenue Cycle - DNEB Summary
 - Revenue Cycle - DNEB Summary by Responsible Financial
 - Revenue Cycle - Monthly AR Summary
 - Revenue Cycle - Monthly AR Summary by Facility
 - Revenue Cycle - Monthly AR Summary by Facility and Fou
 - Revenue Cycle - Monthly AR Summary by Facility and Provider
 - Revenue Cycle - Monthly AR Summary by Financial Class
 - Revenue Cycle - Monthly AR Summary by Provider
 - Revenue Cycle - Patient AR Summary Pivot
 - Revenue Cycle - Standard DNEB Summary
 - Revenue Cycle - Standard DNBP Summary
 - Revenue Cycle - Standard PCNS Summary
 - Revenue Cycle - Total AR Percent by Responsible Financial
 - Truman Patient AR Detail

Balance AR Reports

Financial Class	Discharge Age Category	Not Aged	DNEB	1-30	Grand Totals
* Keynote@Gingiv.Commercial Medication Int'l retained as object instead of string.					
Aetna	-	\$2,371.79	\$0.00	\$2,371.79	
Blue Cross	\$1,262.58	\$1,669.68	\$1,881.01	\$7,893.17	
Cigna	\$0.00	\$2,338.10	\$0.00	\$2,338.10	
Commercial	\$232.35	\$40,409.76	\$69.00	\$42,238.16	
Medicaid	\$629.44	\$175,609.51	\$183,479.74	\$199,551.53	
Medical MC Plus	\$2,281.34	\$161,608.75	\$17,186.21	\$181,076.30	
Medicare	\$1,680.55	\$172,634.90	\$1,070.53	\$174,258.58	
Medicare Replacement	\$2,805.52	\$782,444.10	\$10,411.20	\$1,591,260.28	
Self Pay	\$1,176.55	\$117,290.85	\$5,796.30	\$121,960.70	
Self Pay Discount	\$6,663.19	\$188,061.18	\$10,772.58	\$205,496.95	
Special Contracts	-	\$4,814.57	\$0.00	\$4,814.57	
United Healthcare	-	\$477,286	\$0.00	\$477,286	
Grand Total:	\$23,855.52	\$949,247.51	\$84,622.67	\$1,057,827.30	

Properties | **Blueprints**

Name: Revenue Cycle - Aged AR Detail
 Suggested Report User: -Actions-
 Claims Representative, Self-Pay Biller and Follow-Up [Run Report](#)
 Description: Suggested Report Frequency:
 Daily
 Aged Trial Balance by fin class, health plan to the encounter level.
 Support Reference Number: 3262322-4734-456-3265+353485e8fR

Edit View Favorites Tools Help

Welcome: **Vasudha DA** | Applications ▾ | Preferences Help menu ▾ | Log off []

Home Documents Sample reports and univ...

View ▾ New ▾ Organize ▾ Send ▾ More Actions ▾

My Documents	Title	Type	Last Run
Folders			
Public Editor			
Administration Tools	Administration Tools	Folder	
AHS Custom Reports	AHS Custom Reports	Folder	
Archive	Archive	Folder	
Auditor	Auditor	Folder	
Behavioral Health	Behavioral Health	Folder	
Careware Reporting	Careware Reporting	Folder	
Custom Delivery - Do Not Delete or Modify	Custom Delivery - Do Not Delete or Modify	Folder	
Data Federation	Data Federation	Folder	
EXP - Audit/Operations	EXP - Audit/Operations	Folder	
EXP - Clinical	EXP - Clinical	Folder	
EXP - Financial	EXP - Financial	Folder	
Feature Samples	Feature Samples	Folder	
Financial	Financial	Folder	
HCM	HCM	Folder	
Hospital Administration	Hospital Administration	Folder	
Infection Control	Infection Control	Folder	
KPI	KPI	Folder	
Laboratory	Laboratory	Folder	
LCM	LCM	Folder	
Lighthouse	Lighthouse	Folder	
Meta Data	Meta Data	Folder	
Monitoring Report Sample	Monitoring Report Sample	Folder	
Nutrition	Nutrition	Folder	
Operational Reports	Operational Reports	Folder	
Operational Reports Archived	Operational Reports Archived	Folder	
Pharmacy	Pharmacy	Folder	
Platform Search Scheduling	Platform Search Scheduling	Folder	
Point of Care	Point of Care	Folder	
Powderchart Materiality	Powderchart Materiality	Folder	
Practice Management	Practice Management	Folder	
Probes	Probes	Folder	

Categories

Recycle Bin

Search

Reporting Portal

Cerner

Applications

Welcome: Voran, David A | Settings | Help

Reporting Portal

Search for Report Title

Filters

- Source
- Categories
- Reporting Application

Recent Reports

- Providers to patients messages
- Provider initiated messages report
- HealthLife Prov. Initiated Messages
- Patient Initiated Messages by Type
- Pat Saw PTP

All Reports (1648)

Report Name

Categories	Source	Favorite
Cerner Custom Reports Test	Public	☆
***TEST Birth Certificate Report	PharmNet Report	☆
***340B Sentry EPrescribe RevCycle	PharmNet Report	☆
***340B Sentry Pharmacy Charges RevCycle	PharmNet Report	☆
***340B Sentry UCRN Report	PharmNet Report	☆
***34b_eRx	PharmNet Report	☆
***34b_eRx Test	Testing	☆
***34b_NDC Extract	PharmNet Report	☆
***34b_rx_order_by_order_date	PharmNet Report	☆

Mckesson Performance Analytics™

Viewer Dashboard Admin

Dashboard




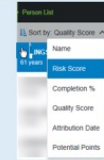
Find:

Organize ▾	Settings ▾	Status	Alert	History	Name ▲	Entity
<input type="checkbox"/>					AIS_Requests_by_Queue_Report	Default
<input type="checkbox"/>					AIS_Requests_by_Queue_Report Copy	Default
<input type="checkbox"/>					Ambulatory Index	Default
<input type="checkbox"/>					Ambulatory Scorecard	Default
<input type="checkbox"/>					Ambulatory Scorecard All	Default
<input type="checkbox"/>					Ambulatory Scorecard Medication Ecosystem	Default
<input type="checkbox"/>					Ambulatory Scorecard No Show Rate	Default
<input type="checkbox"/>					AmbulatorySC AIS Referrals	Default
<input type="checkbox"/>					AmbulatorySC Patient Portal Acceptance	Default
<input type="checkbox"/>					AmbulatorySC Patient Portal Offer	Default
<input type="checkbox"/>					AmbulatorySC_Clinic_Cancellation	Default
<input type="checkbox"/>					AmbulatorySC_Clinic_Cancellation_Less_than_30days	Default
<input type="checkbox"/>					AmbulatorySC_MedRx	Default
<input type="checkbox"/>					Behavioral Health Index	Default
<input type="checkbox"/>					B1 18.0 SPI Release Notes	Default
<input type="checkbox"/>					Cardiology/Neurology Director Scorecard Month and YTD	Default
<input type="checkbox"/>					CEO Scorecard Instructions	Default
<input type="checkbox"/>					CEO Scorecard Instructions v07.30.18	Default
<input type="checkbox"/>					Cerner Direct Referrals 48 Hours	Default
<input type="checkbox"/>					Cerner Direct Referrals 72 Hours	Default
<input type="checkbox"/>					Clinic Directors' Report - Appointments	Default
<input type="checkbox"/>					Clinic Directors' Report - Slots	Default
<input type="checkbox"/>					Clinic Directors' Report GAJ - Slots Copy with % Filled	Default
<input type="checkbox"/>					Clinic Directors' Report V2	Default
<input type="checkbox"/>					Clinic Directors' Report V2 - Historical	Default
<input type="checkbox"/>					Clinic Directors' Report V2 - Historical Queue Data Only	Default
<input type="checkbox"/>					Daily Appointment Volume	Default
<input type="checkbox"/>					Daily Slot Utilization	Default
<input type="checkbox"/>					Daily Surgeries	Default


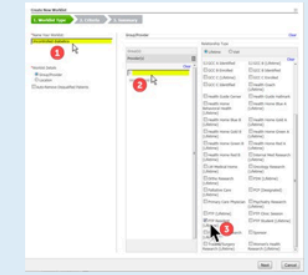
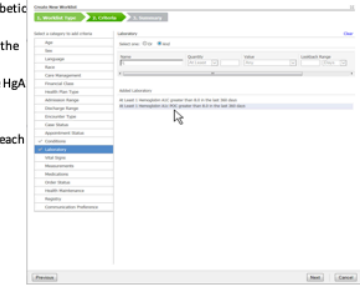
Step 2: Curriculum

Assignments on their own
panel patients

Population Health Exercise

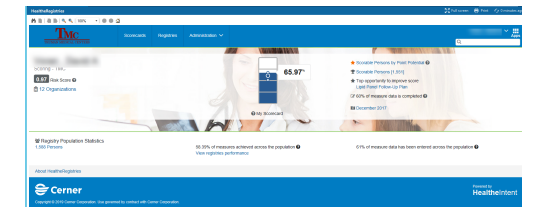
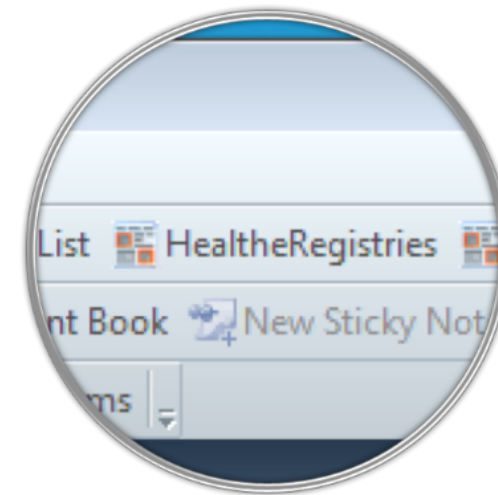
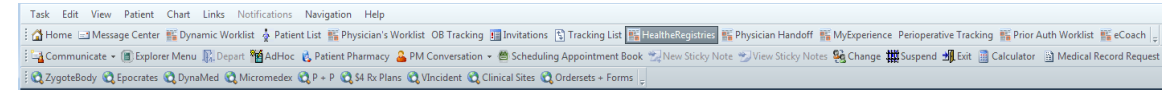
Task	Result/Answer
<p>Resident _____</p> <p>Date _____</p> <p>Block _____</p>	
<p>Healthe Registry Exercise</p> <p>Select Healthe Registry from PowerChart's Menu Bar</p> 	
How many people are attributed to you?	
How many of these are scoreable? (meet the criteria for at least one registry)	
What is your overall score?	
Are you above or below your peers?	
<p>View how you're doing with your Diabetic Registry (Click Registries and select diabetes)</p> 	
How many patients are in your Diabetic Registry?	
What % have completed all measures?	
View the patients on your registry	
<p>View Filtered Persons</p> 	
Sort by Risk Score	
<p>In descending order</p> 	
What is the risk score of the 1st patient? (the one with the highest risk)	
On how many registries is this patient?	
Has this person been seen in the FMC?	
Have you seen this person?	
Number of Pts with Risk Scores above 5?	
Open that person's chart. When was his last FMC Visit?	
Days since last FMC Visit	0

Dynamic Work List Exercise

Worklist Task	Details/Instructions	Answers
<p>Create new worklist</p> 	<p>Parameters:</p> <p>Name: "Uncontrolled Diabetes"</p> <p>Provider: Enter your name</p> <p>Relationship: Choose PTP</p> 	
<p>Enter the criteria necessary to isolate diabetic patients with HgA1C > 8.0.</p> <p>You'll first select the condition and then the laboratory conditions</p> <ul style="list-style-type: none"> • Notice you'll need to choose both the HgA and Hemoglobin A1c POC • Limit the search to the last 360 days • Will need to scroll to the right to add each condition 		
How many patients are in your list?		
What percentage of all of you diabetics are uncontrolled?		
How many do you recognize?		
How many of these have you seen?		
How many (%) of them have insurance?	<p>Hint: Everyone except people on these plans</p> <p>SELF PAY DISCOUNT/COMMERCIAL/Discount</p> <p>TMC Discount 138/COMMERCIAL/Discount</p> <p>TMC Discount 138-200/COMMERCIAL/Discount</p> <p>TMC Discount Gold Card/COMMERCIAL/Discount</p>	
How many of these patients also have hypertension?		

Step 3: Reinforcement

Data is a click or two away ...
Huddles
Checkouts

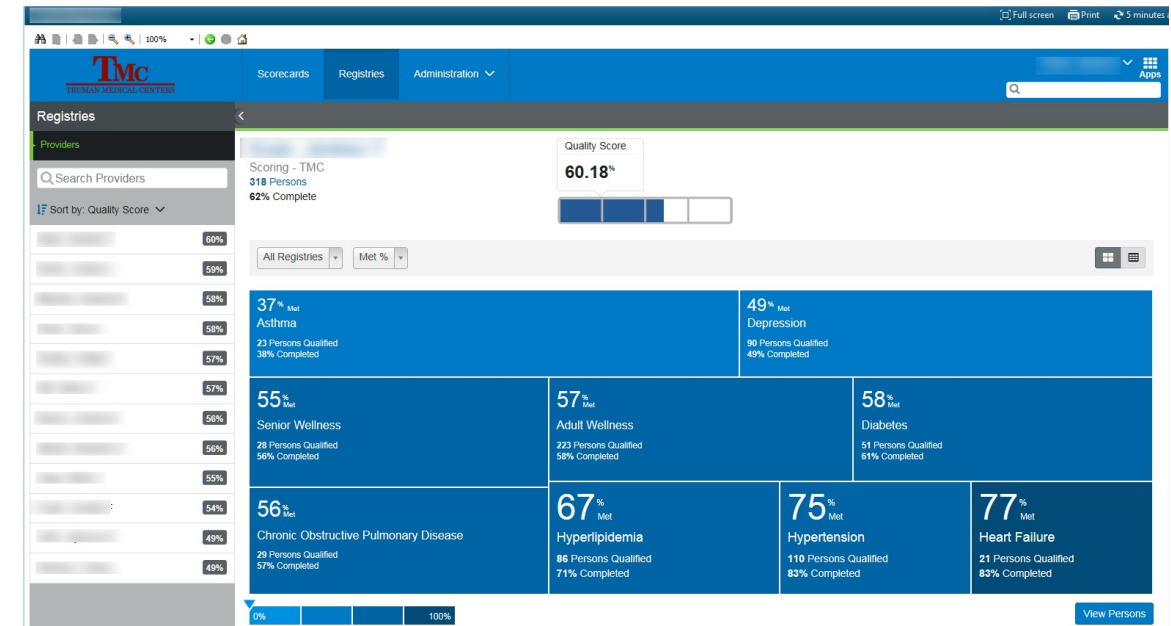


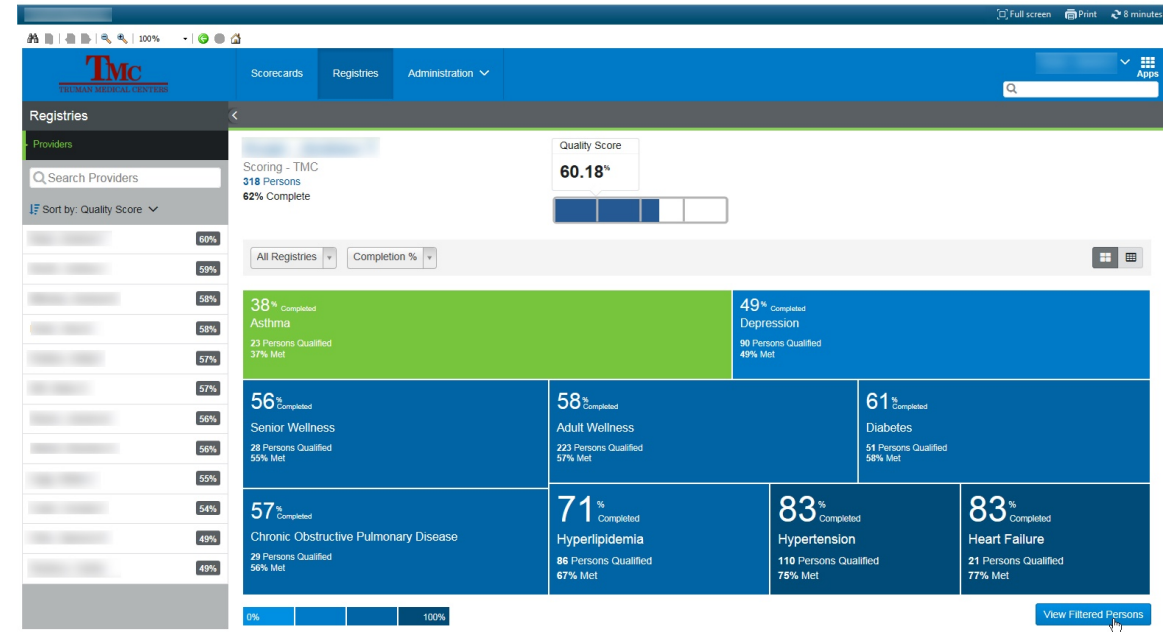
On which registries are my patients?

Essence of Population Health – Where's the trees?



Registries



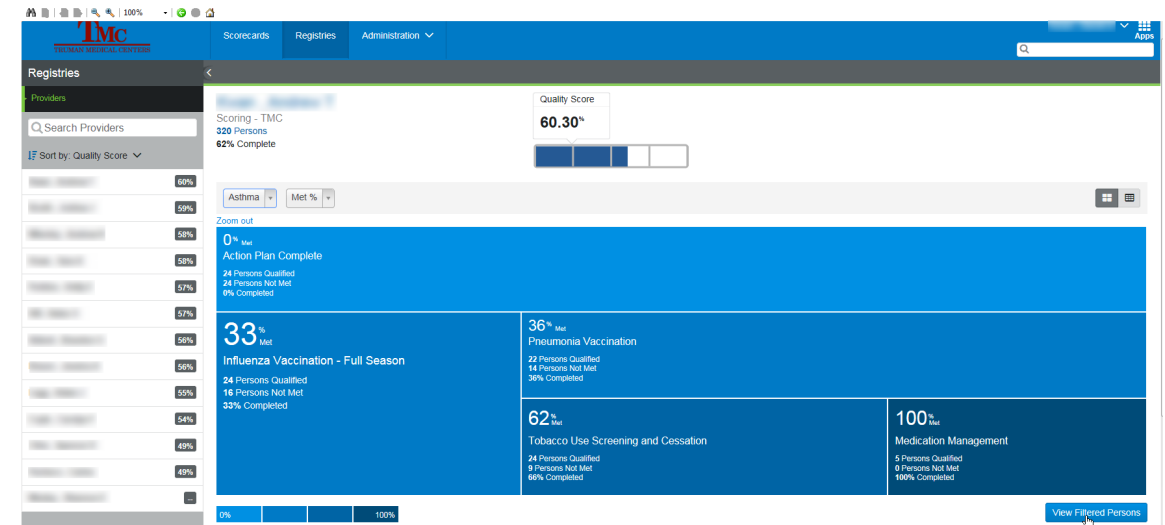
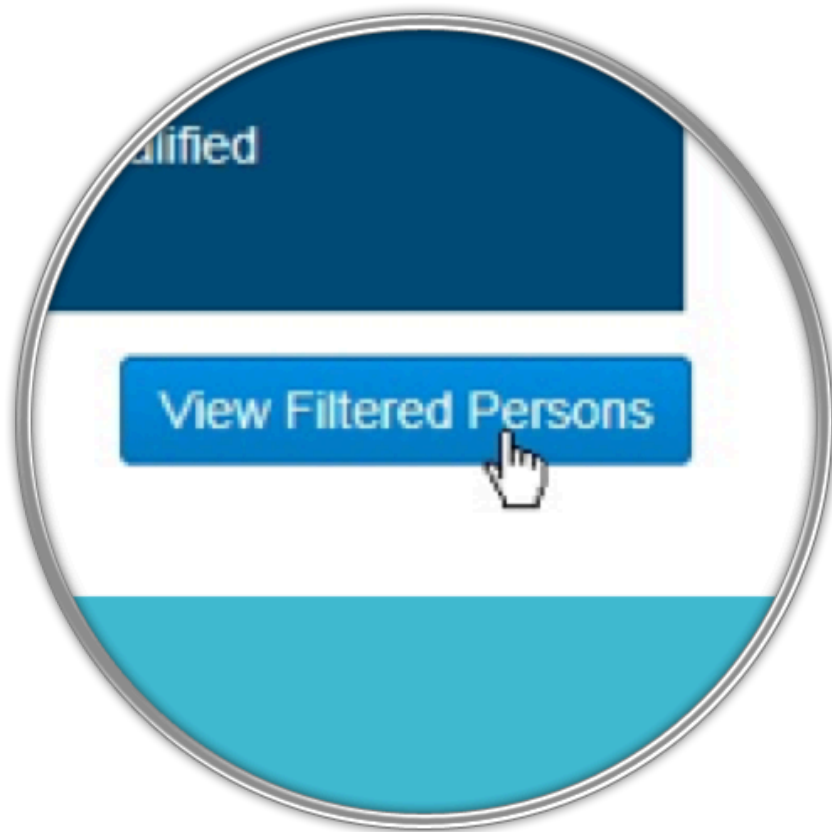


Which part of the forrest needs attention?

... and which trees need help?

Which patients?

Which trees?



Registries

Providers
Kwan, Andrew T

Person List 24
Asthma

Sort by: Quality Score

- Name
- Risk Score
- Completion %
- Quality Score
- Attribution Date
- Potential Points

Adult Wellness 9 out of 10 Met

Asthma 3 out of 4 Met

Registry Supporting Facts

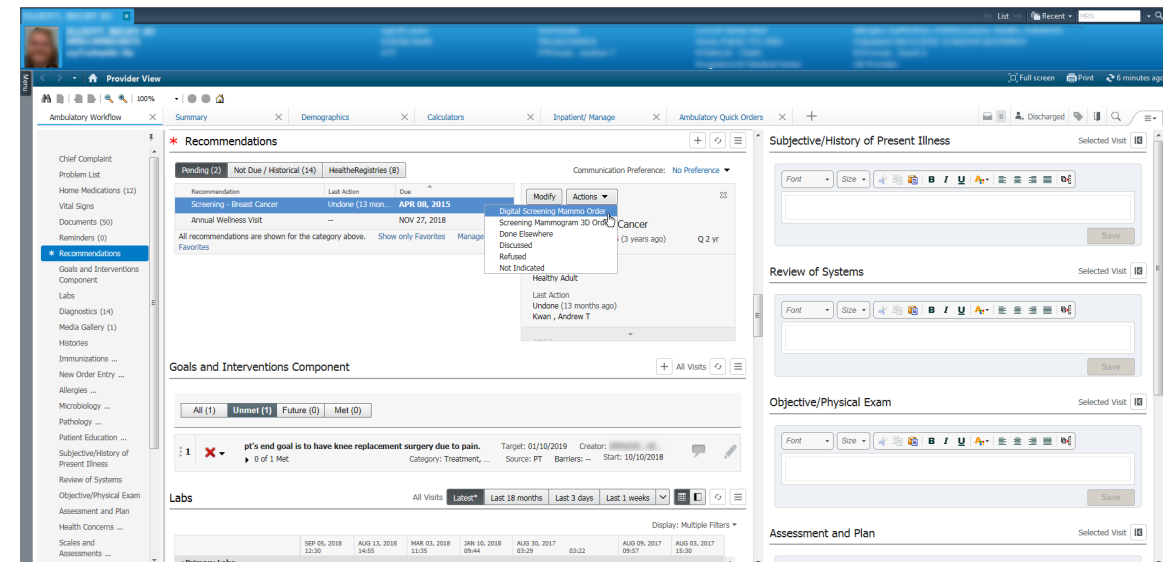
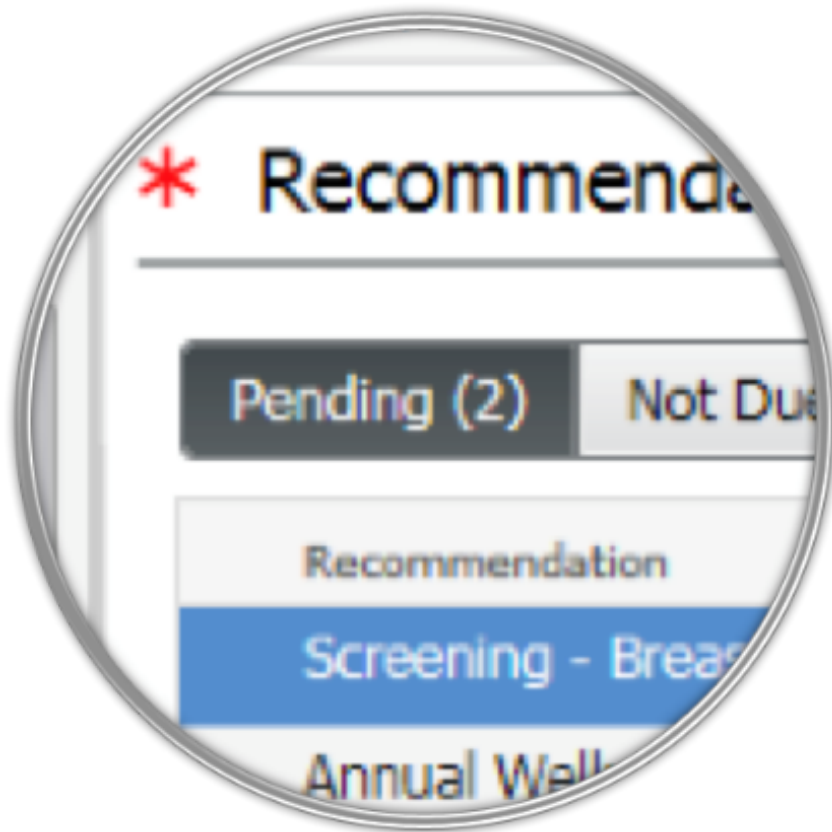
Action	Status	Due Date	Completion Date
Action Plan Complete	Now	--	--
Influenza Vaccination - Full Season	Achieved	Dec 14, 2017	
Pneumonia Vaccination	Achieved	May 21, 2018	
Tobacco Use Screening and Cessation	Achieved	May 18, 2018	May 15, 2020

What's wrong with the patient?

Finding out exactly what needs to be done – Care Gaps

Sharing with the patient

Incorporating care gap closure during visit with patients



Block end “MOB” Meetings



Occur ever 4 weeks

At rotation change

“Now for the numbers”

Highlight different data set

Encourage group think

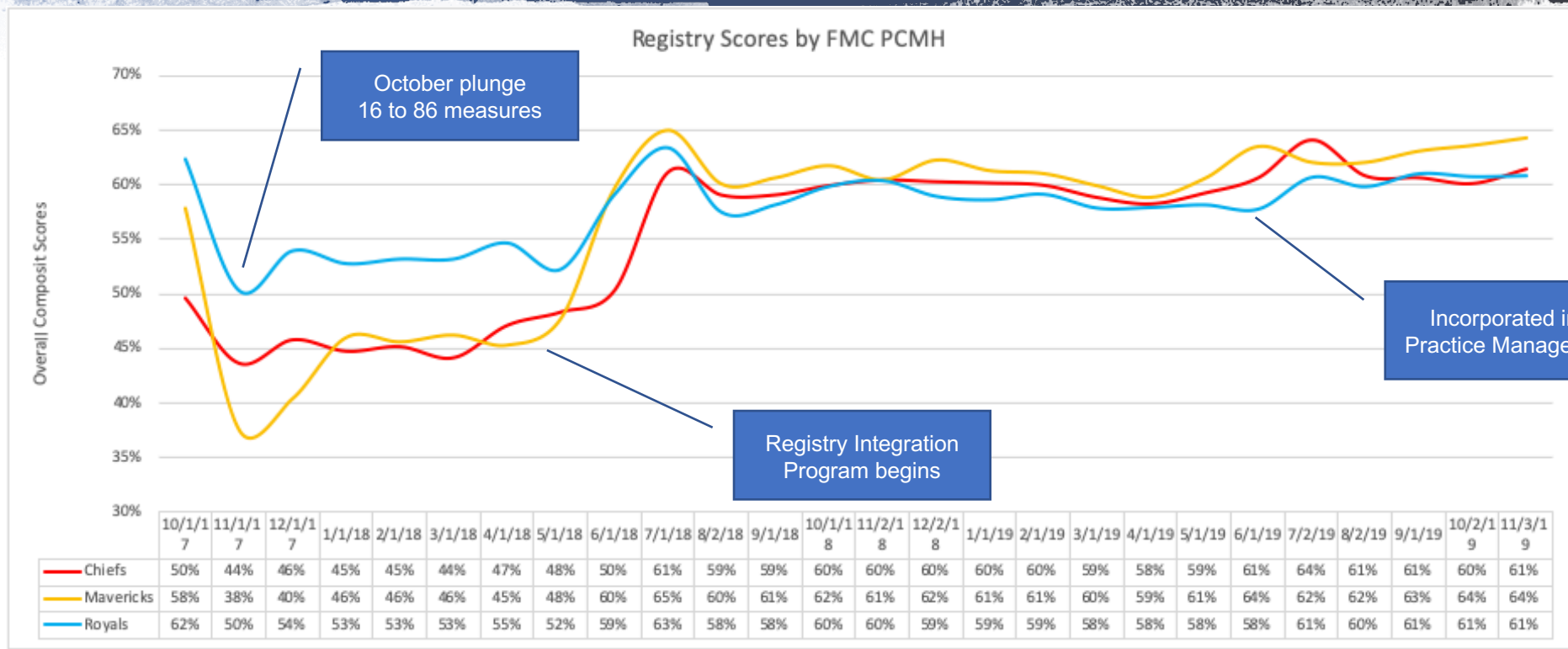
Reinforce panel and population
management approaches

Making Ourselves Better

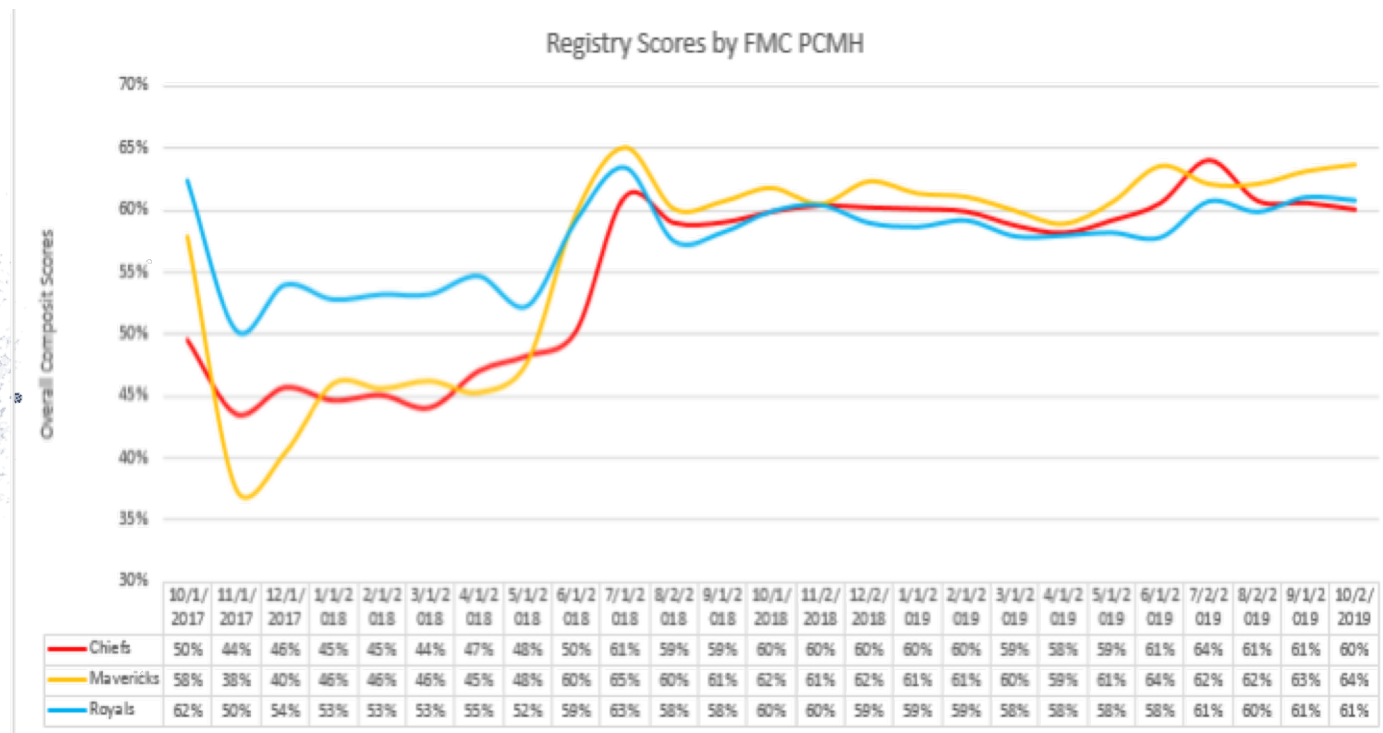
WHAT'S HAPPENING?



Population Health Registry Scores



Why not more progress?



Let me count the ways



Attribution



High panel risk



Practice panel size too large



Slot availability



Reactive medicine



Acute visit training



Social determinant burden



Face-to-face reimbursement

Other Confounders

Require major changes in workflow

Issues that interfere with improved metrics

Solidify measure mapping

A few measures cannot be met in the system

Schedule templates

Reduced time for adult preventive visits
Acute/reactive visit culture

Residency rotations

Continuity disruptions

Clinic architecture

Exam rooms inhibit patient engagement

Social Issues

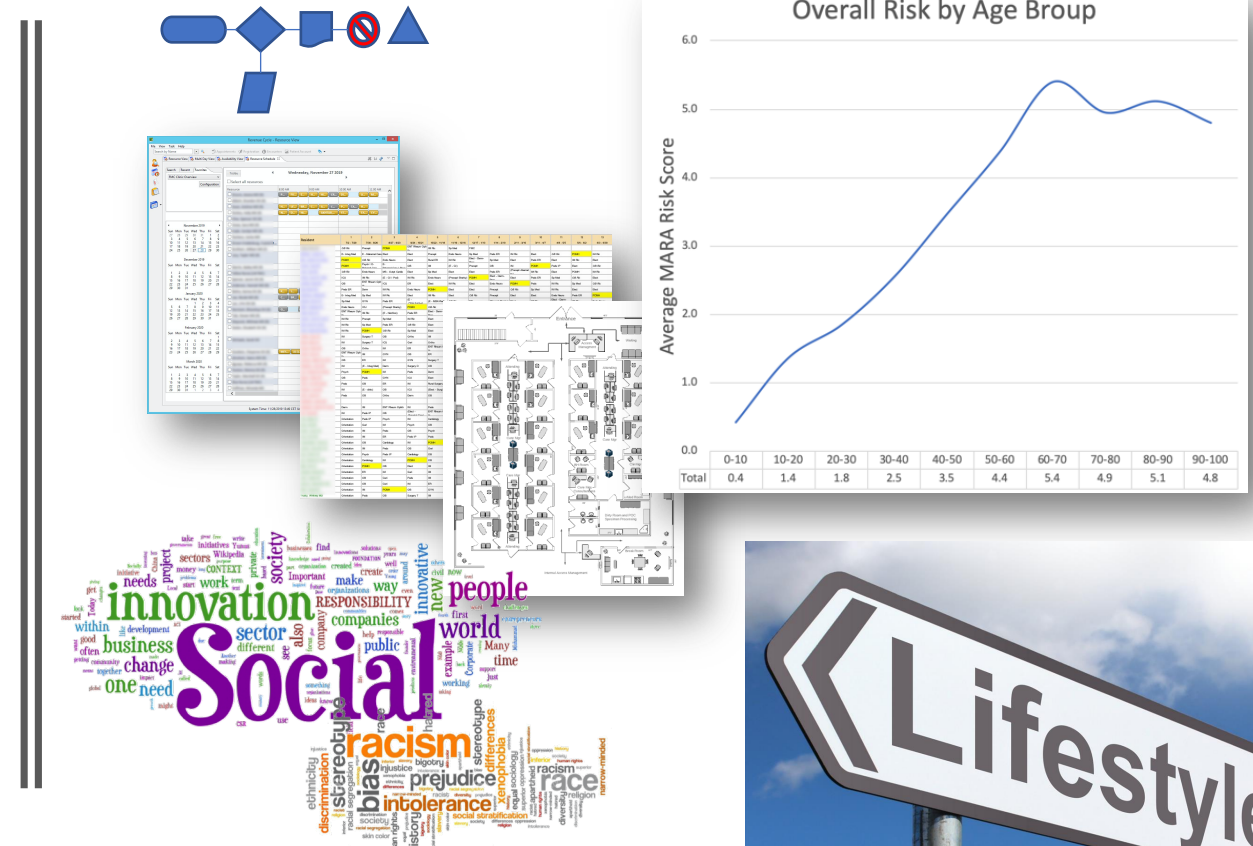
Poverty
Time – many working 2 low paying jobs
Transportation
Cost of medication
Co-pays

Age and Risk

Increasing age of our patients (Boomers)
When do we stop measuring and age out?

Patient participation and engagement

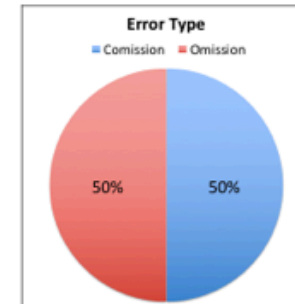
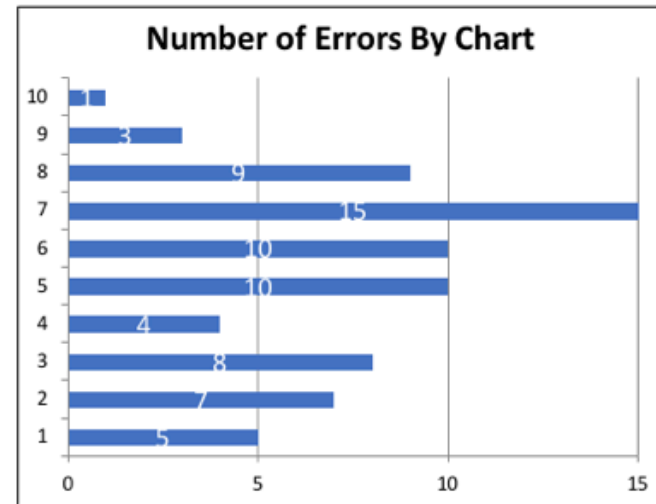
Lifestyles are impossible to change in a clinic setting



Reconciliation Integrity Accuracy

NOV 18 12

Missing in Action

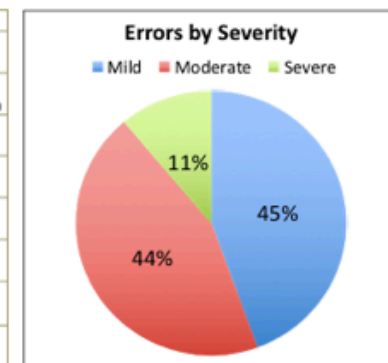


Errors by Type (All Errors)

Problem List	16
Allergies	1
Family History	12
Past Surgical History	8
Demographics	12
Medications	12
Social History	6
Pregnancy History	3
Immunizations	1
Health Maintenance	1

List of Severe Errors

Problem List	Inappropriately listed Rheumatoid Arthritis
Problem List	Inappropriately listed Obstructive Sleep Apnea
Surgical History	Splenectomy not documented
Surgical History	Cardiac Catheterization x2 not documented
Social History	Inappropriately listed as a non-smoker
Family History	Father had Cholangiocarcinoma
Surgical History	Cesarean Section x3 not listed
Family History	Sister had Cervical Cancer



What we must do

Banish our [physician] fixation with notes

Start paying attention to parts of the chart required for automated measures ...doesn't matter now and will not in 2021

Connect resident activity with remuneration

Refocus medical education on lifestyle

Get rid of RVU based compensation

Go beyond encounter based system

Somehow change western culture

Learn how to teach doctors population management

Begin proactive rather than reactive scheduling

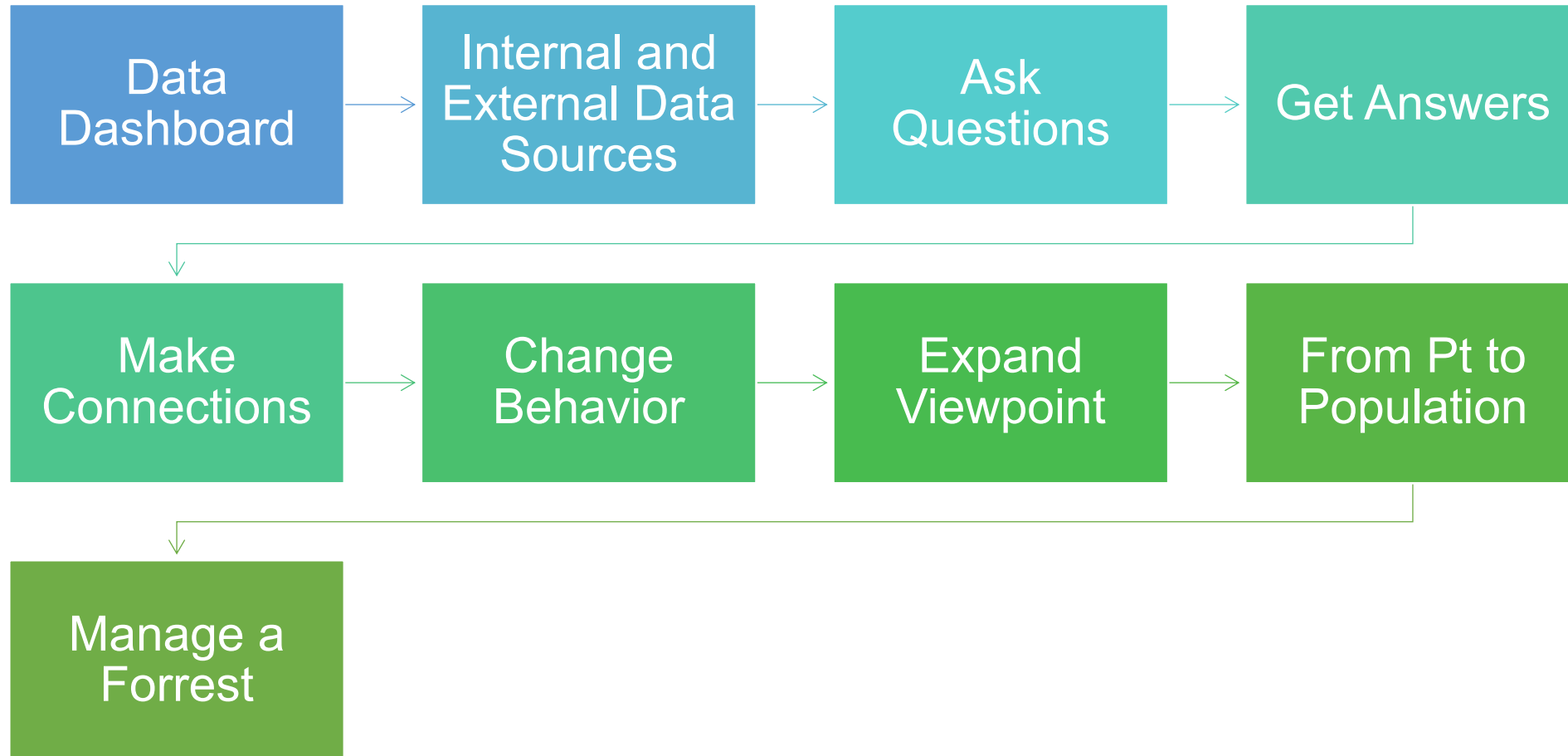
Break free from the “exam room” jail and get involved in our patient's lives





IN REVIEW

Summary





The Slog

Importance of value-based reimbursement education

Better, more relevant and evidence-based measures

EMR configurations that elevate measures and care gaps even more than we do now

Push registry measures to patient

Results can be disappointing for many reasons outside our control

Systems designed for reactive acute conditions ... not proactive management of diseases and lifestyles

We don't have "medicines" for social determinants that affect patient's ability to comply with measures

Need to build in reconciliation and validation of data in order to improve accuracy ... can't be done without the patient



**Need to work the forest,
not leaves**



...the journey begins