

# HRHCare MAT Program: QAC Presentation



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# MAT Program Summary



- Model for the HRHCare MAT Program: multidisciplinary team at 7 sites (Poughkeepsie, Beacon, Peekskill, Yonkers VL, Brentwood, Wyandanch, Shirley) consisting of a MAT medical provider (MD or DO or NP or PA), social worker (LCSW or LMSW, preferably with CASAC), care manager (preferably with CASAC), LPN (assigned to provider), and MAT Program Managers (LCSW, ideally with CASAC) for each region (HV and LI); RN/CM pilot model at 1 site (Riverhead); RN/CM hybrid pilot model at 1 site (Monticello); myself as Medical Director of SUD; low threshold for entry into the MAT program; harm reduction focus; MAT providers co-trained in provision of HCV treatment; recent merger with Brightpoint Health (5 boroughs): different MAT model, “integrated” into primary care, RN-led model, care management referred out, done in both Article 28 and Article 31 settings, no historical tracking of QI data
- Case Conferences: weekly multidisciplinary case conferences for 1 hour are held with each team at each MAT site; I participate via Skype Business with distant sites
- Individual Supervision: I hold one on one supervision for 30 minutes with each MAT provider on a weekly basis to do teaching, problem solve cases, allow venting, and provide emotional support
- Templates: there are buprenorphine, long acting naltrexone, prenatal outcomes, overdose documentation, and MAT telemedicine templates, etc. in the EMR to capture data for QI and research purposes
- COGNOS Reports and Spotfire: in conjunction with our Informatics department, we have created MAT Spotfire dashboards looking at geocoding, demographics, retention in care, UDS results, QOL measures, etc. to assess the efficacy of the MAT program and compare with benchmarks culled from the MAT literature; can drill down to the individual patient and provider level
- MAT Provider Chart Audits: I audit the MAT providers’ charts, as well as the MAT providers auditing each other, quarterly to give feedback and improve both EMR documentation and overall quality of care
- Ongoing Education: resources available to all MAT team members in a shared drive; MAT email blasts sent out regularly to MAT team members regarding topics related to PWUD and SUD
- MAT telemedicine: at 5 sites (Monticello, Poughkeepsie, Peekskill, Riverhead, Brentwood) to increase MAT access

# MAT Program: Recent Expansion



## + **Monticello**

- RCORP Grant: HRHCare is the countywide lead for this Sullivan County grant to decrease opioid overdoses and increase linkage to MAT
- HRSA Grant: pilot RN/CM hybrid model, utilizing in person and telemedicine visits for MAT

## + **Eastern Dutchess**

- Rural OD Disparities Grant: collaboration with DC DOH and NEXT Distro to provide harm reduction education and linkage to MAT for Eastern Dutchess County residents

## + **Riverhead**

- HRSA Grant: pilot RN/CM model, utilizing in person and telemedicine visits for MAT

## + **Poughkeepsie**

- OASAS/FQHC Grant: expansion of an already robust MAT team with a FT MAT MD, additional CM's, and MAT peers; utilizing telemedicine for linkage with our inhouse OASAS Pathways program in Peekskill for interested patients

## + **Brentwood**

- OASAS/FQHC Grant: expansion of an already robust MAT team with a FT MD, additional CM's, and a MAT peer; utilizing telemedicine both for MAT program expansion and for linkage with a community-based OASAS program for interested patients

## + **Hudson**

- MAT in primary care w/o a multidisciplinary team; pilot project

# MAT Program: Challenges



- + Hiring MAT providers
- + Maintaining staff (not a big problem, turnover is low, but training is intensive)
- + Educating HRHCare providers and staff on SUD, OUD, MAT, and opioid overdose prevention
- + Interfacing with organizations (detox, rehab, IOP, private providers, mental health providers) without a low threshold model
- + Keeping MAT providers up to date (I am up to this challenge, but it is potentially daunting)
- + Sustainability: for the multidisciplinary, wraparound model (without grants); I think it is feasible
- + STIGMA
- + Mental health linkage (in a timely fashion)
- + Integration of HRHCare and Brightpoint Health MAT programs

# MAT Program: Opportunities



- + Telemedicine
- + Mobile van
- + Constant innovation!
- + Direct linkage after ED buprenorphine induction: meetings with ED Chairpersons in Suffolk, Sullivan, and Dutchess Counties
- + Direct linkage from correctional facilities: involvement with planning for implementation of MAT in the jails in Suffolk, Ulster, and Dutchess Counties; bupe waiver training of DOCCS Medical Director to implement MAT in the NYS prison system
- + Direct linkage after inpatient buprenorphine induction: meetings and Grand Rounds in several counties
- + Increased engagement with community-based organizations (CM, IOP, MH, stabilization centers, SEP, etc.)
- + Increasing role on a state level (I sit on the NYS OASAS/Shatterproof Advisory Board and on the NIDA NYS HEALing Communities Community Advisory Board)
- + Key presenter in the Suffolk County DOH MAT Learning Collaborative, hosted by Leslie Marino, MD
- + NIDA HEALing Communities Grant: goal: to decrease opioid overdoses by 40% in 4 years; funding to local DOH in 16 counties in NYS (including Sullivan and Suffolk Counties)
- + Community outreach events

# MAT Program: Areas of Focus



- + Expansion: everywhere; telemedicine expansion
- + Resident Training: FP residents in Suffolk County and NP residents in the Hudson Valley; FP residents in Ulster/Dutchess Counties
- + Expansion of MAT into the Suffolk County Residency Sites (Brentwood, Wyandanch, Southampton) in a hub and spoke model (the MAT program as the hub and the residency program as the spoke); focused training with the residents on SUD/OD/MAT/opioid overdose prevention/pain management; training of attending preceptor champions for the residency program sites; ongoing (yearly) buprenorphine waiver trainings with the residents
- + HRHCare NP residents all rotate with the MAT program in the Hudson Valley
- + Direct linkage from the ED and correctional facilities to the MAT program in the counties where we operate

# MAT Program: Goals for Improvement



- + Strengthening ties with our community partners (events, collaborations, conferences, task forces)**
- + MAT peer certification**
- + Bolstering MAT peer groups**
- + Adding a family support component to the MAT program**
- + Expanding open access for MAT: on demand walk-in buprenorphine start-ups: this is already occurring at the Monticello and Peekskill sites, but we would like to expand to all our sites; will be starting at the Brentwood site imminently**

# MAT Spotfire Data: Program Growth



Browser address bar: <http://10.1.15.235/spotfire/wp/render/Wvfz5gKqOOBZWVmJYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Patient%20Analys>

Page tabs: MAT Patient Analysis – TIBC...

Navigation menu: Overview | Summary | Race/Ethnicity | Gender | Age Groups | Insurance Breakdown | Visits | Assessments | Dosage | Geocoding | Cross Table



## MAT Patient Analysis



### Synopsis

Use links below to select an analysis page.

Report Date Filtered to: 1/1/2018 through 12/10/2019

Use button to change filters: Apple Filters

**Summary** provider caseload by program status.

**Race/Ethnicity** caseload distribution by ethnicity and race.

**Gender** caseload distribution by gender.

**Age Groups** caseload distribution by age group.

**Insurance** caseload distribution by insurance class and insurance name.

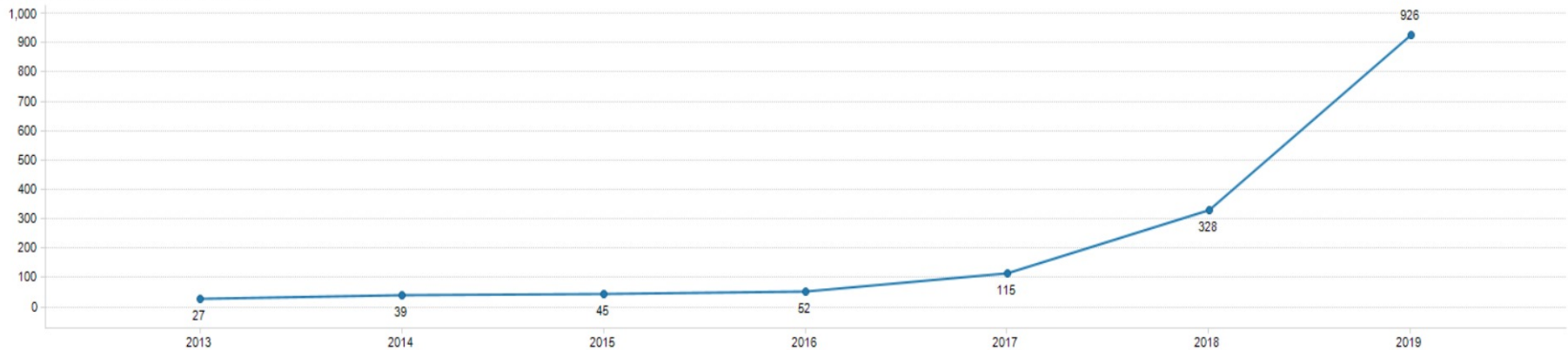
**Visits** visit count by year and caseload distribution by location.

**Assessments** caseload distribution by assessment.

**GeoCoding** by patient ZIP code and location.



### Cumulative Program Growth Over Time





# MAT Spotfire Data: Race/Ethnicity

Browser address bar: <http://10.115.235/spotfire/wp/render/WvFz5gKqOO6ZWVmjYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Patient%20Analysis>

Page title: MAT Patient Analysis – TIBC...

Navigation tabs: Overview | Summary | **Race/Ethnicity** | Gender | Age Groups | Insurance Breakdown | Visits | Assessments | Dosage | Geocoding | Cross Table

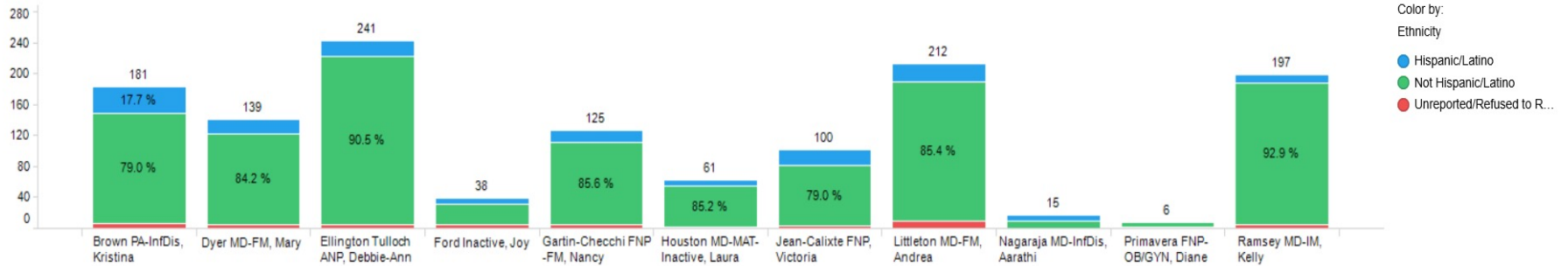


## MAT Patient Analysis

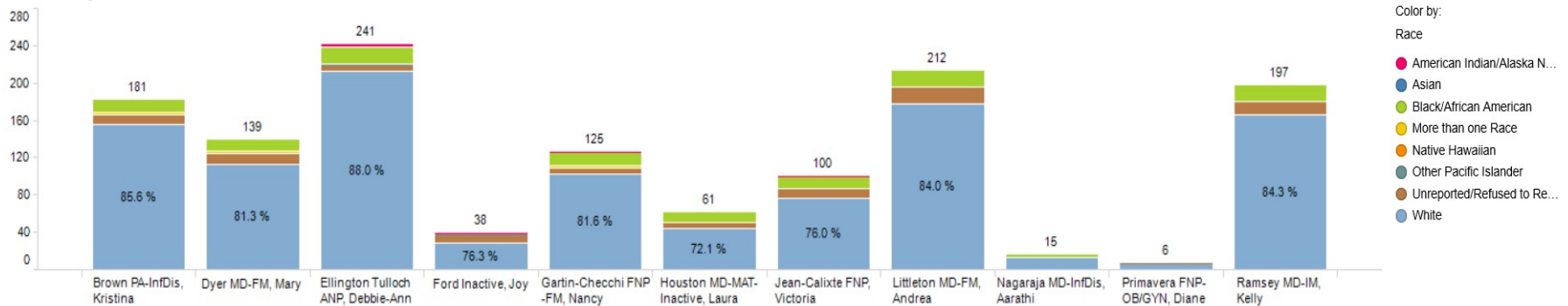
Report Date Filtered to: 1/1/2018 through 12/10/2019



Patient Count By Ethnicity



Patient Count By Race



Reset Markings

Apply Filters

# MAT Spotfire Data: Gender

← → http://10.15.235/spotfire/wp/render/Wvfz5gKqOOBZWVmJYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Patient%20Analysis Search...

MAT Patient Analysis – TIBC...

Overview Summary Race/Ethnicity Gender Age Groups Insurance Breakdown Visits Assessments Dosage Geocoding Cross Table

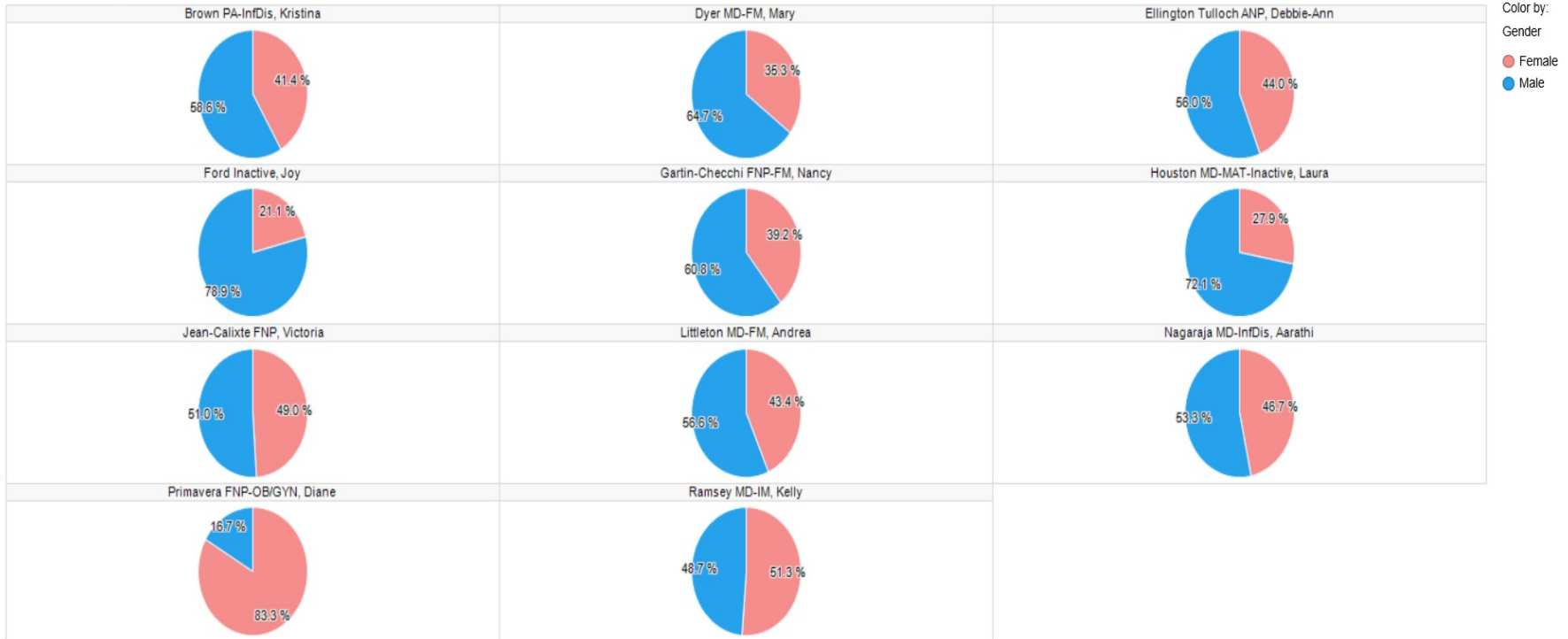


## MAT Patient Analysis

Report Date Filtered to: 1/1/2018 through 12/10/2019



### Patient Count By Gender



Reset Markings Apply Filters

# MAT Spotfire Data: Age Groups



Navigation bar with tabs: Overview, Summary, Race/Ethnicity, Gender, **Age Groups**, Insurance Breakdown, Visits, Assessments, Dosage, Geocoding, Cross Table. Search bar and window controls are also present.

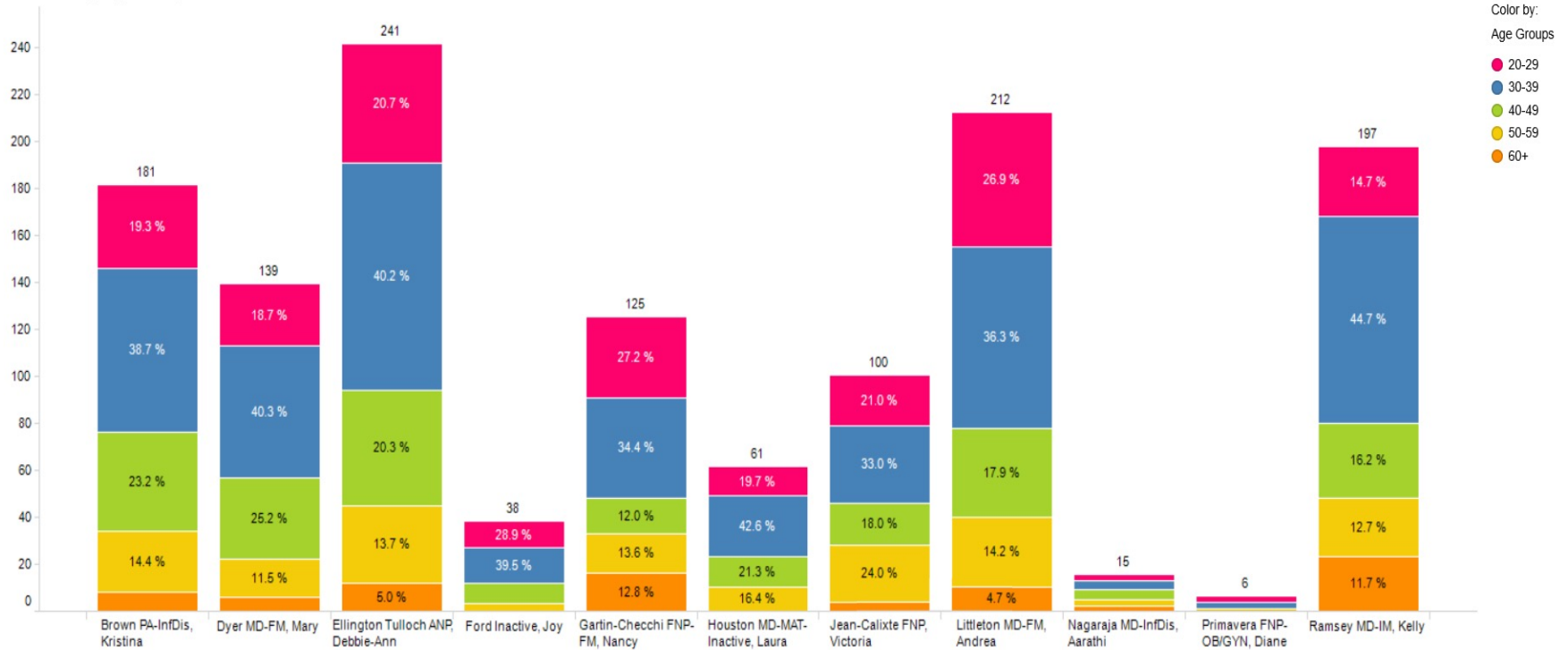


## MAT Patient Analysis

Report Date Filtered to: 1/1/2018 through 12/10/2019



Patient Count By Age Groups



Reset Markings Apply Filters

# MAT Spotfire Data: Insurance Breakdown

Navigation bar with tabs: Overview, Summary, Race/Ethnicity, Gender, Age Groups, Insurance Breakdown (selected), Visits, Assessments, Dosage, Geocoding, Cross Table.

Search bar: Search...

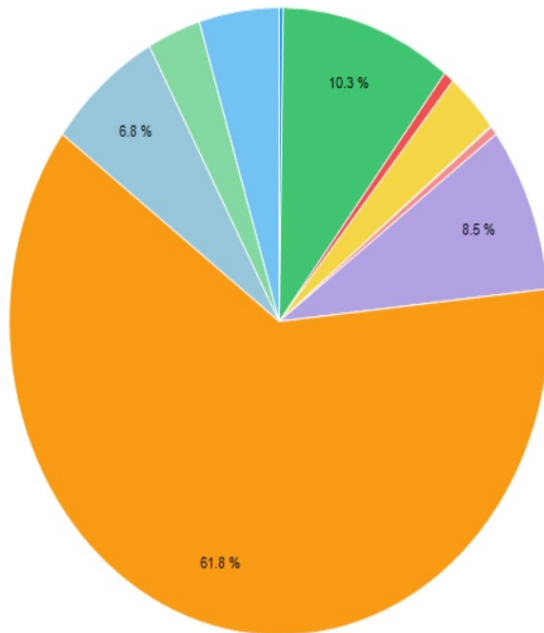


## MAT Patient Analysis

Report Date Filtered to: 1/1/2018 through 12/10/2019



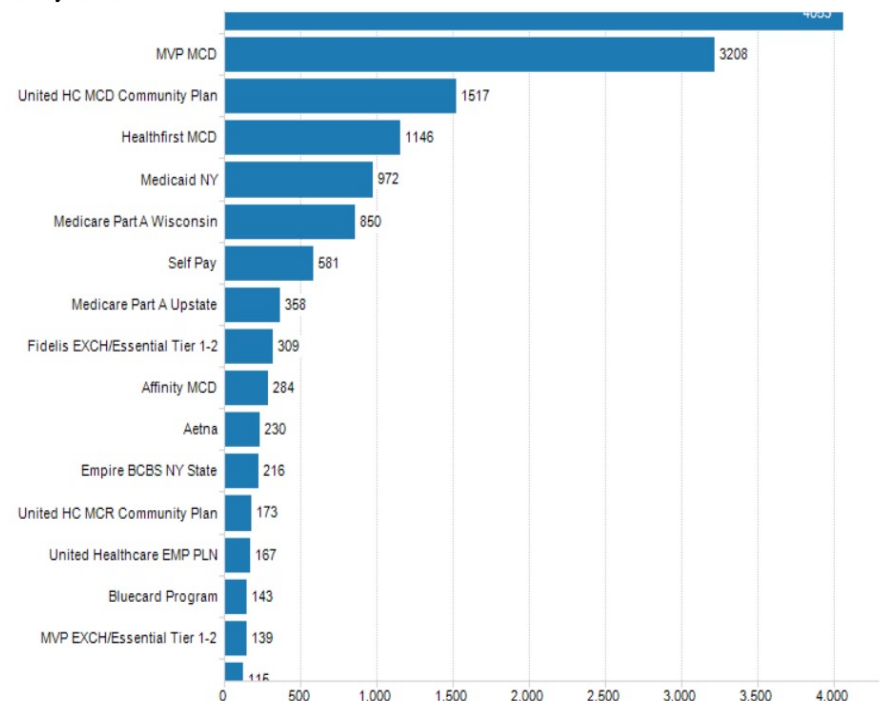
Insurance Class Distribution



Color by:  
Ins\_ClassDesc

- Child Health Plus
- Commercial
- Commercial Non Co...
- Exchange
- Family Health Plus
- FIDA
- Medicaid
- Medicaid HMO
- Medicare
- Medicare HMO
- Self Pay

Patient Count by Insurance Name



Reset Markings

Apply Filters

# MAT Spotfire Data: Visit and Patient Counts

← → 🔍 http://10.1.15.235/spotfire/wp/render/Wvfz5gKqOOBZWVmJYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Patient%20Analysis 🔍 Search...

MAT Patient Analysis – TIBC... 📄

Overview Summary Race/Ethnicity Gender Age Groups Insurance Breakdown **Visits** Assessments Dosage Geocoding Cross Table 🗨️ 🔌 📱 ☰ ? ✕

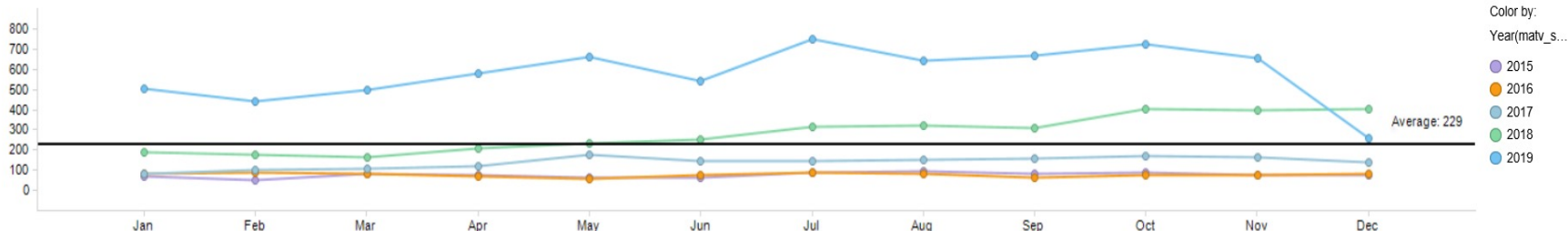


## MAT Patient Analysis

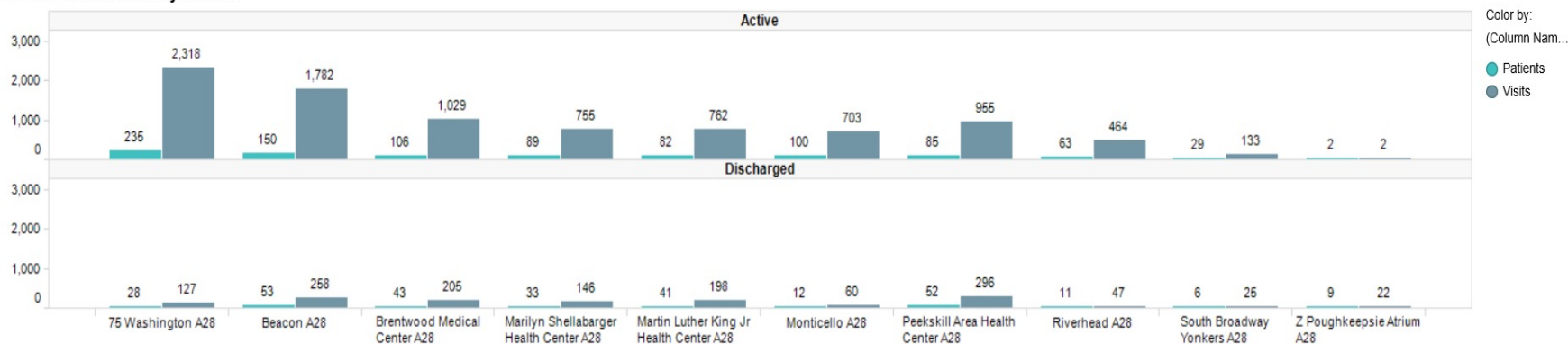
Report Date Filtered to: 1/1/2018 through 12/10/2019



Visit Count By Year and Month



Visit and Patient Count By Location



Reset Markings

Apply Filters

# MAT Spotfire Data: Criminal Activity



Browser address bar: <http://10.115.235/spotfire/wp/render/WvFz5gKqOOBZWVmuYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Patient%20Analys>

Page Title: MAT Patient Analysis - TIBC...

Navigation tabs: Overview | Summary | Race/Ethnicity | Gender | Age Groups | Insurance Breakdown | Visits | **Assessments** | Dosage | Geocoding | Cross Table



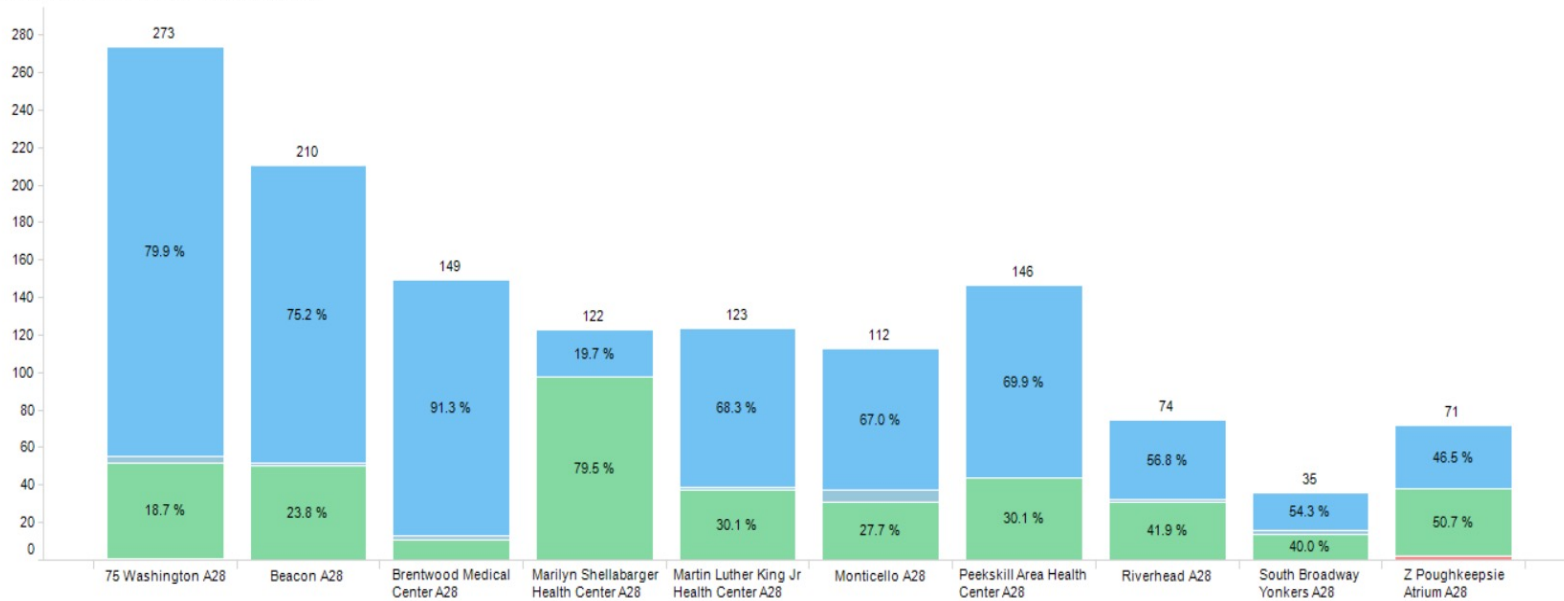
## MAT Patient Analysis

Report Date Filtered to: 1/1/2018 through 12/10/2019



Assessment: Criminal Activity Color By: Location

Have you been involved in criminal activity?



Color by:  
structdata\_filter

- No
- Unknown
- Yes
- Yes/No

Reset Markings

Apply Filters

Ready

24,204 of 24,204 rows 0 marked 74 columns spf\_mat\_patient\_analysis



# MAT Spotfire Data: Geocoding

← → http://10.115.235/spotfire/wp/render/WvFz5gKqOObZWmYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Patient%20Analys Search...

MAT Patient Analysis – TIBC... x

Overview Summary Race/Ethnicity Gender Age Groups Insurance Breakdown Visits Assessments Dosage **Geocoding** Cross Table

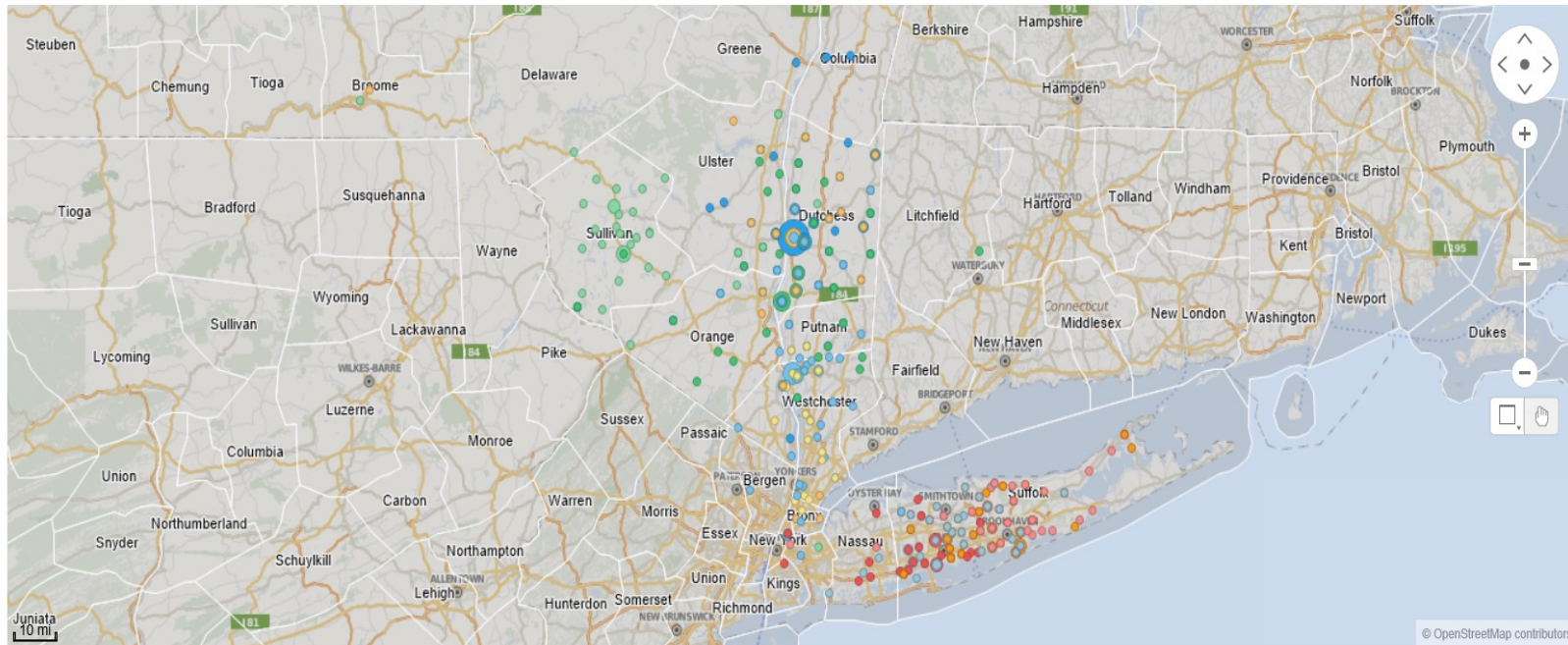


## MAT Patient Analysis

Report Date Filtered to: 1/1/2018 through 12/10/2019



Color By Location



Color by:  
Location

- 75 Washington A28
- Beacon A28
- Brentwood Medical Center...
- Marilyn Shellabarger Health...
- Martin Luther King Jr Health...
- Monticello A28
- Peekskill Area Health Cente...
- Riverhead A28
- South Broadway Yonkers A28
- Z Poughkeepsie Atrium A28

Reset Markings

Apply Filters

Ready

24,204 of 24,204 rows 0 marked 74 columns spf\_mat\_patient\_analysis

# MAT Spotfire Data: MAT New Patient Downstream Engagement



http://10.1.15.235/spotfire/wp/render/WvFz5gKqOObZWVmJYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20New%20Patient%20Analysis

Search...

MAT New Patient Analysis

Cover PageNew PatientNew Patient Follow-UpSpecialtyPatient Detail



## MAT New Patient Analysis

Report Date Filtered to: 1/1/2018 - 12/10/2019



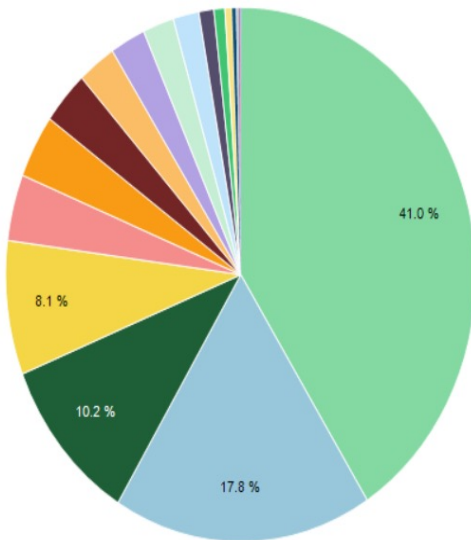
### Specialty Breakdown

Of the total patients whose first visit was with a MAT provider, percent breakdown of follow-up visit with provider other than MAT provider.

Color by:

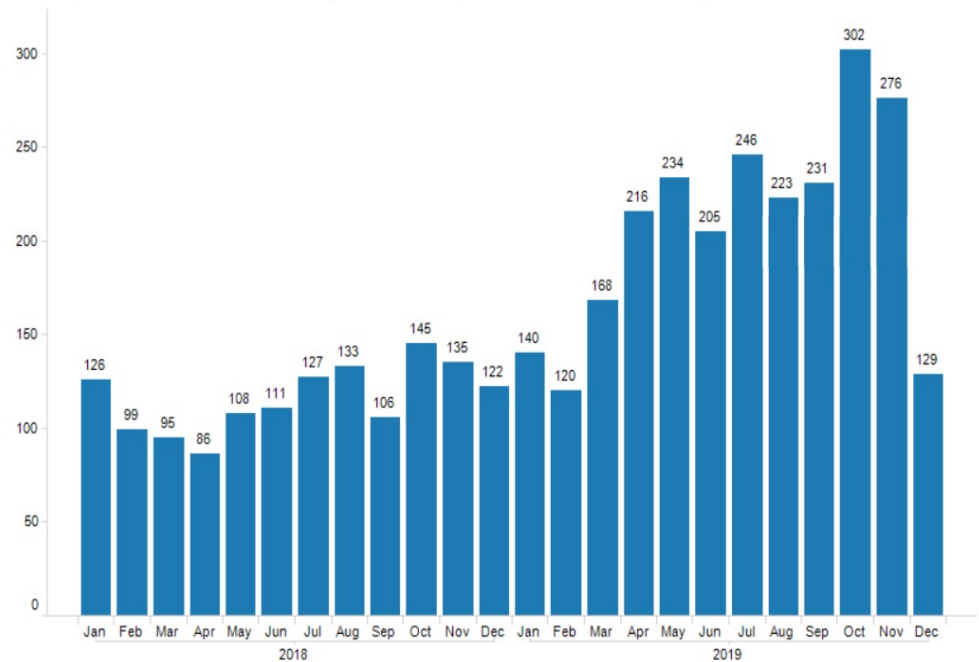
specility\_revised

- Case Managers
- Certified Nurse Midwives
- Dental Hygienists
- Dentists
- Family Physicians
- Internists
- Licensed Clinical Psychologists
- Licensed Clinical Social Workers
- Nurse Practitioners
- Nurse Practitioners (Specialists)
- Nurses
- Obstetricians/Gynecologists
- Optometrists
- Other Licensed Mental Health Providers
- Other Professional Services
- Other Specialty Physicians
- Physician Assistants
- Psychiatrists
- Substance Abuse Services



### Total Visits By Month

Of the total patients whose first visit was with a MAT provider total Visit by month EXCLUDING visits with MAT providers.



Reset Markings

Apply Filters

Ready

1,485,215 of 2,865,999 rows 0 marked 33 columns



# MAT Spotfire Data: Opioid Negative UDS by Provider

← → ↻ http://10.1.15.235/spotfire/wp/render/WvFz5gKqOObZWVmJYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Lab%20Analysis8 ↻ Search...

MAT Lab Analysis - TIBCO S... x

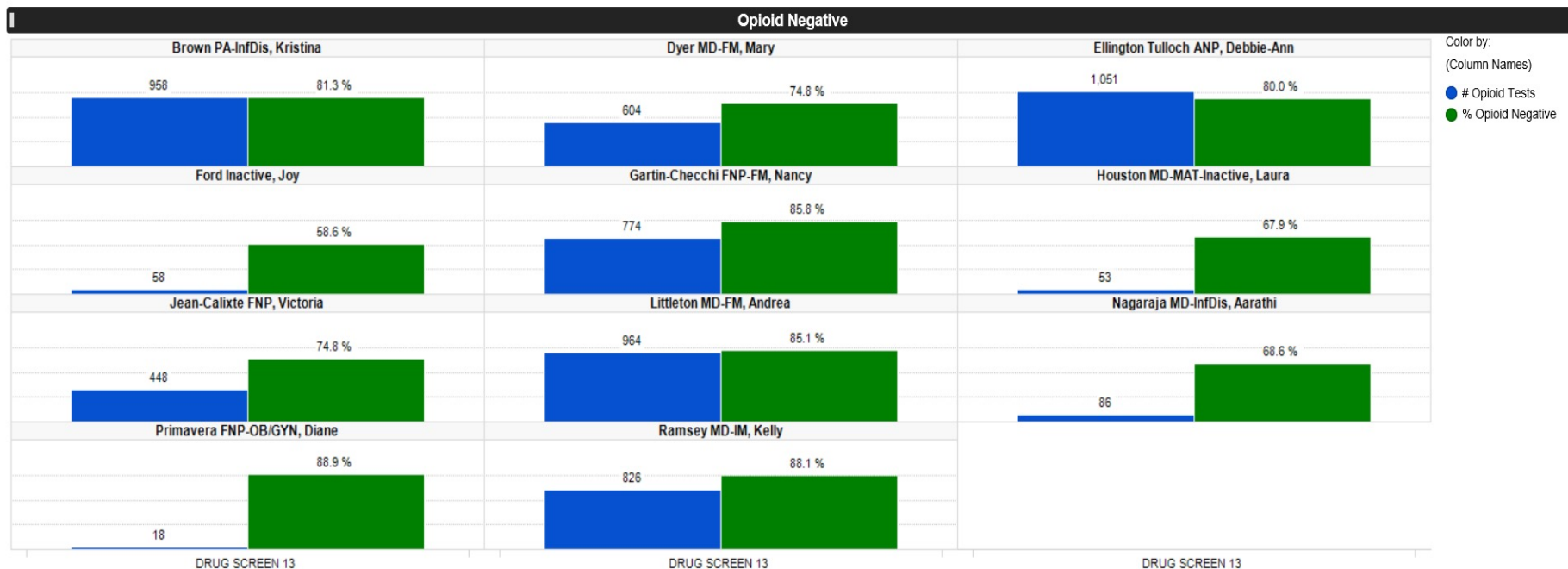
Overview Lab Orders Opioid Negative Positive Labs Telemedicine



## MAT Labs - Patient Analysis

Report Date Filtered to: 1/1/2019 through 12/10/2019

Graph By: Provider Full Name



Reset Markings

Apply Filters

# MAT Spotfire Data: Buprenorphine Positive UDS Results by Provider

http://10.1.15.235/spotfire/wp/render/WvFz5gKqOObZWVmY/q/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Lab%20Analysis8 Search...

MAT Lab Analysis - TIBCO S... x

Overview Lab Orders Opioid Negative Positive Labs Telemedicine



## MAT Labs - Patient Analysis

Report Date Filtered to: 1/1/2019 through 12/10/2019

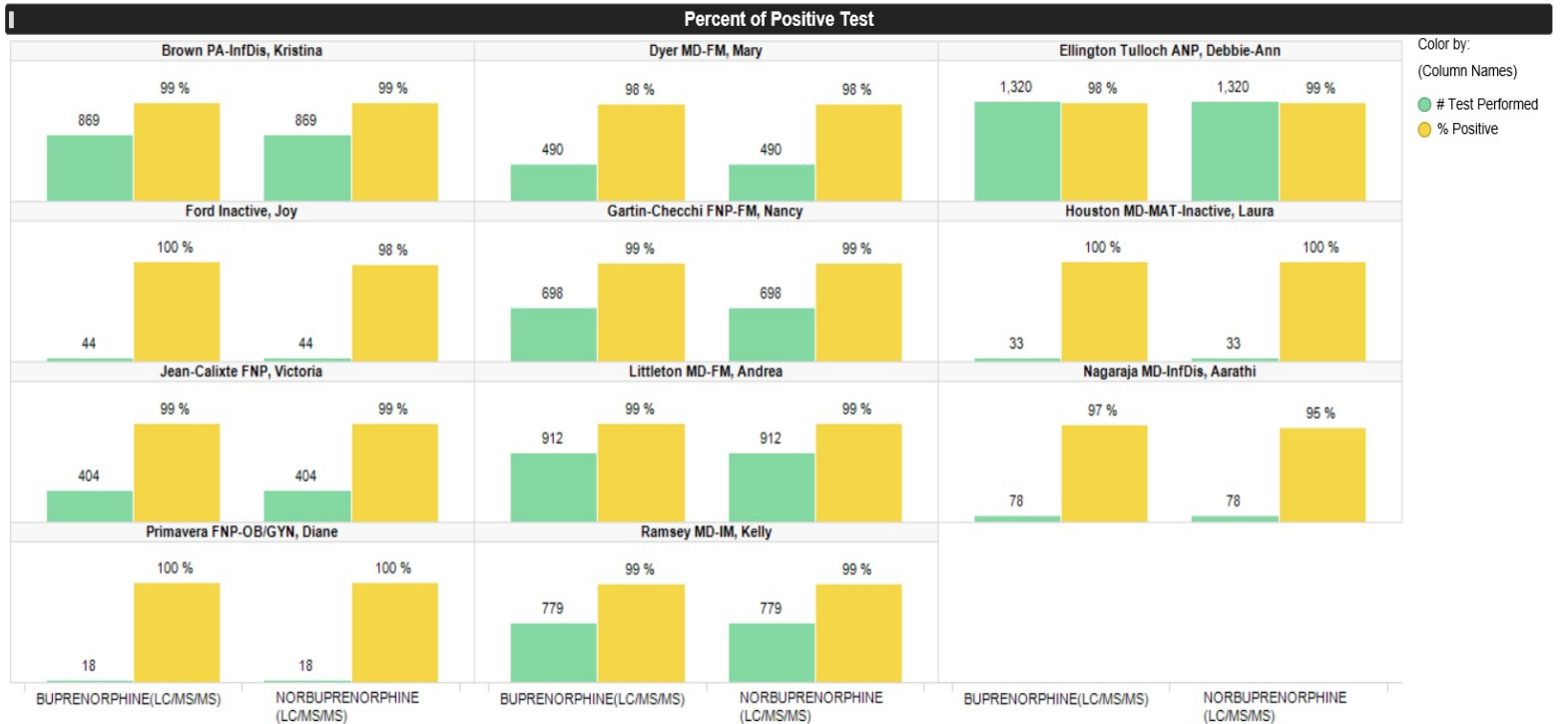


Color By: Provider Full Name

Use listbox below to select test to graph. Listbox will only allow a minimum of 1 selection and a maximum of 4 selections.

To select multiple values, hold control button while selecting desired values.

- AMPHETAMINE
- AMPHETAMINES
- BUPRENORPHINE
- BUPRENORPHINE(LC/MS/MS)
- COCAINE
- COCAINE METABOLITE
- COCAINE, URINE SCREE
- COCAINE/METABOLITES
- FENTANYL
- FENTANYL (7)
- NORBUPRENORPHINE(LC/MS/MS)
- OPIATES
- OPIATES, URINE SCREEN
- THC



Reset Markings

Apply Filters

# MAT Spotfire Data: Fentanyl Positive UDS Results by Provider

http://10.1.15.235/spotfire/wp/render/WvFz5gKqOOBZWVmYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Lab%20Analysis& Search...

MAT Lab Analysis - TIBCO S... x

Overview Lab Orders Opioid Negative Positive Labs Telemedicine



## MAT Labs - Patient Analysis

Report Date Filtered to: 1/1/2019 through 12/10/2019

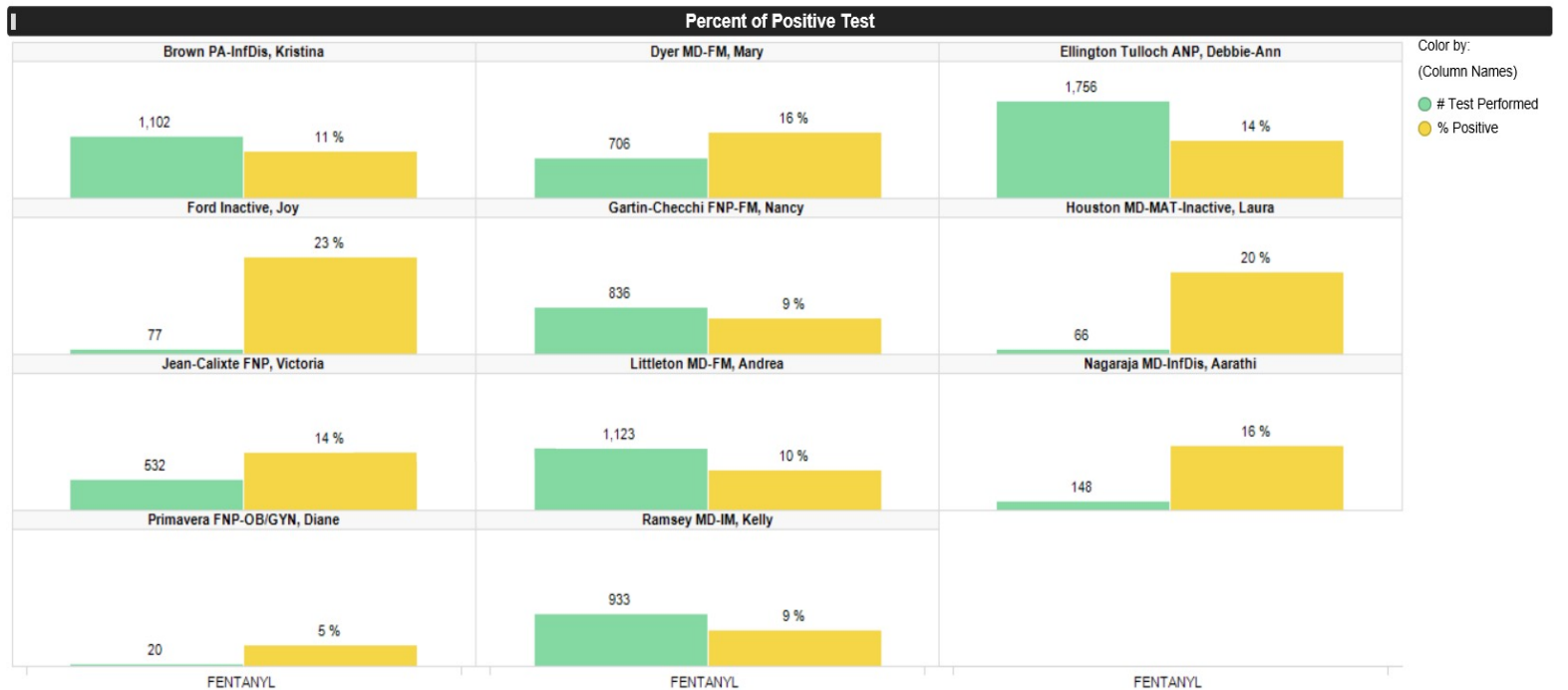


Color By: Provider Full Name

Use listbox below to select test to graph. Listbox will only allow a minimum of 1 selection and a maximum of 4 selections.

To select multiple values, hold control button while selecting desired values.

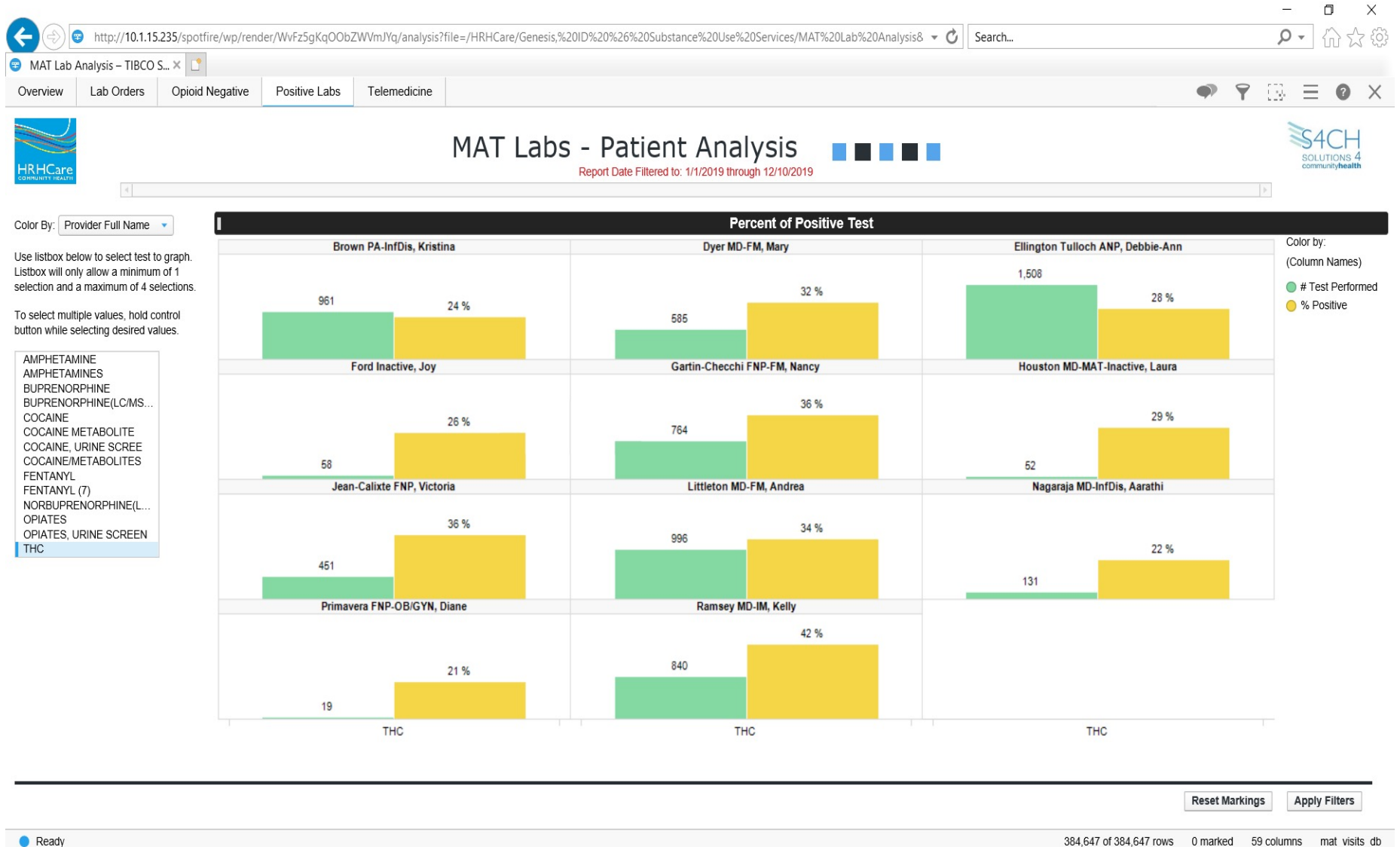
AMPHETAMINE  
AMPHETAMINES  
BUPRENORPHINE  
BUPRENORPHINE(LC/MS...  
COCAINE  
COCAINE METABOLITE  
COCAINE, URINE SCREE  
COCAINE/METABOLITES  
FENTANYL  
FENTANYL (7)  
NORBUPRENORPHINE(L...  
OPIATES  
OPIATES, URINE SCREEN  
THC



Reset Markings

Apply Filters

# MAT Spotfire Data: THC Positive UDS Results by Provider



# MAT Spotfire Data: Telemedicine Data



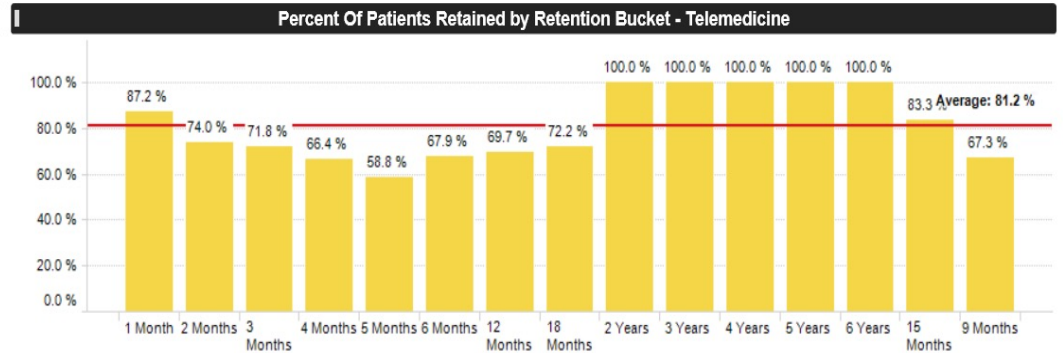
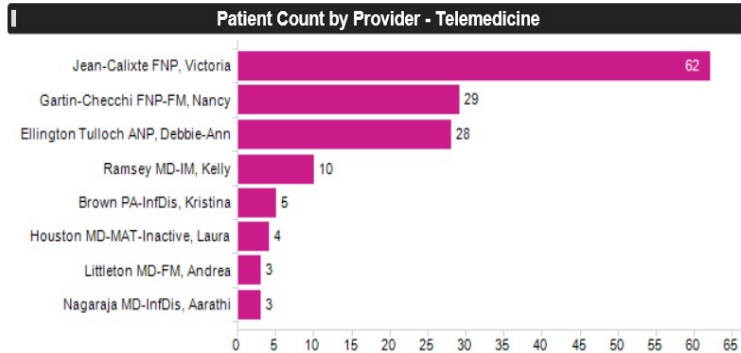
Browser address bar: <http://10.1.15.235/spotfire/wp/render/WvFz5gKqOOBZWVmjYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Lab%20Analysis8>

Navigation tabs: Overview | Lab Orders | Opioid Negative | Positive Labs | **Telemedicine**

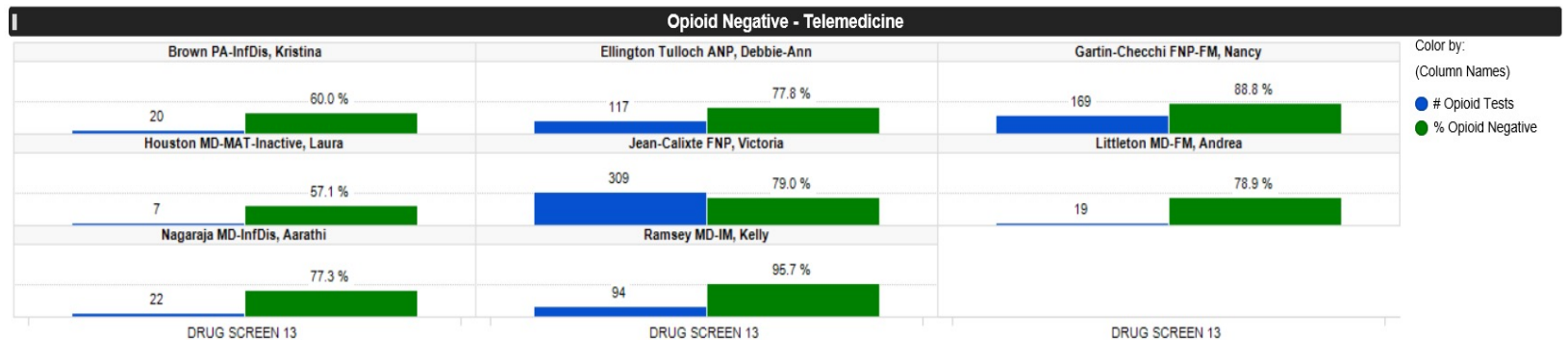


## MAT Labs - Patient Analysis

Report Date Filtered to: 1/1/2019 through 12/10/2019



Graph By:  
Provider Full Name



Graph: Retained

Reset Markings

Apply Filters

Ready

198,804 of 198,804 rows 0 marked 37 columns spf\_mat\_retention



# MAT Spotfire Data: Retention in Care\*

\*caveat: I will explain...

http://10.1.15.235/spotfire/wp/render/WvFz5gKqOObZWmJYq/analysis?file=/HRHCare/Genesis,%20ID%20%26%20Substance%20Use%20Services/MAT%20Retention%20An... Search...

MAT Retention Analysis - TL... x

Overview Summary Naltrexone Location/Provider Demographics Cross Table



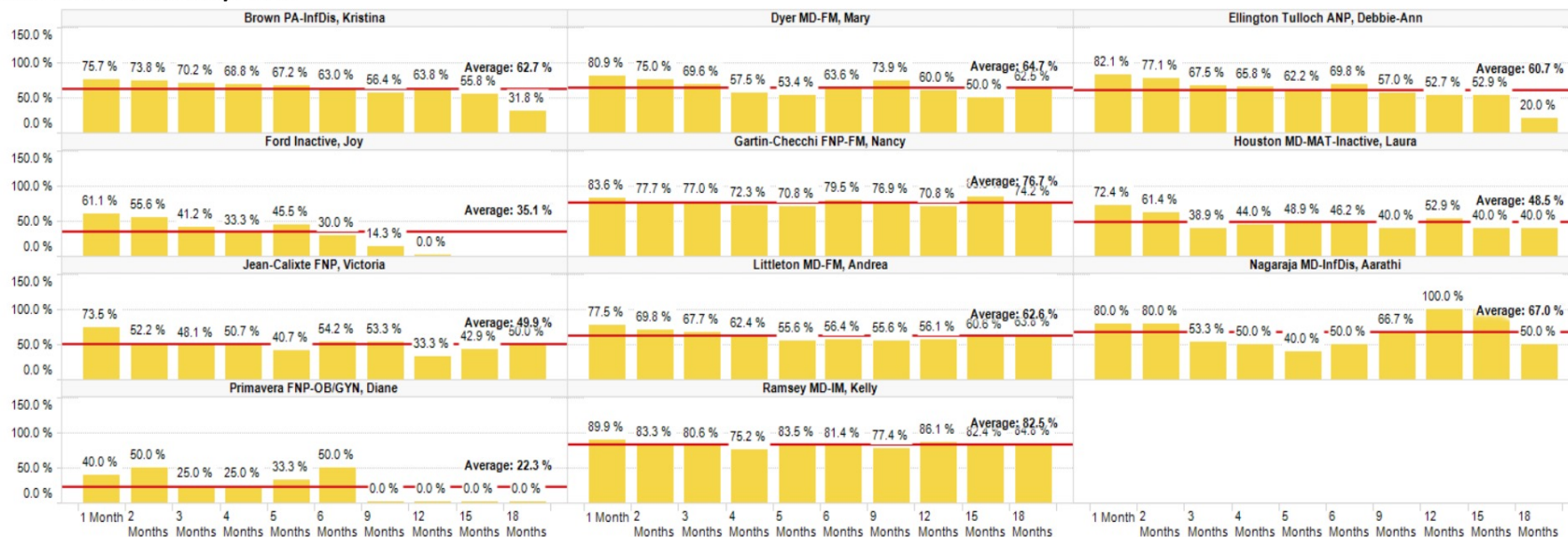
## MAT Retention Analysis

Report Date Filtered to: 1/1/2018 through 12/10/2019



Graph Months For Provider

### Percent Of Patients Retained by Provider



Graph: Retained

Reset Markings

Apply Filters

Ready

198,804 of 198,804 rows 0 marked 42 columns

# THANK YOU!

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