

Challenge 23

Health – Substance Abuse Data Analysis

The Participants

with Federico Pastor

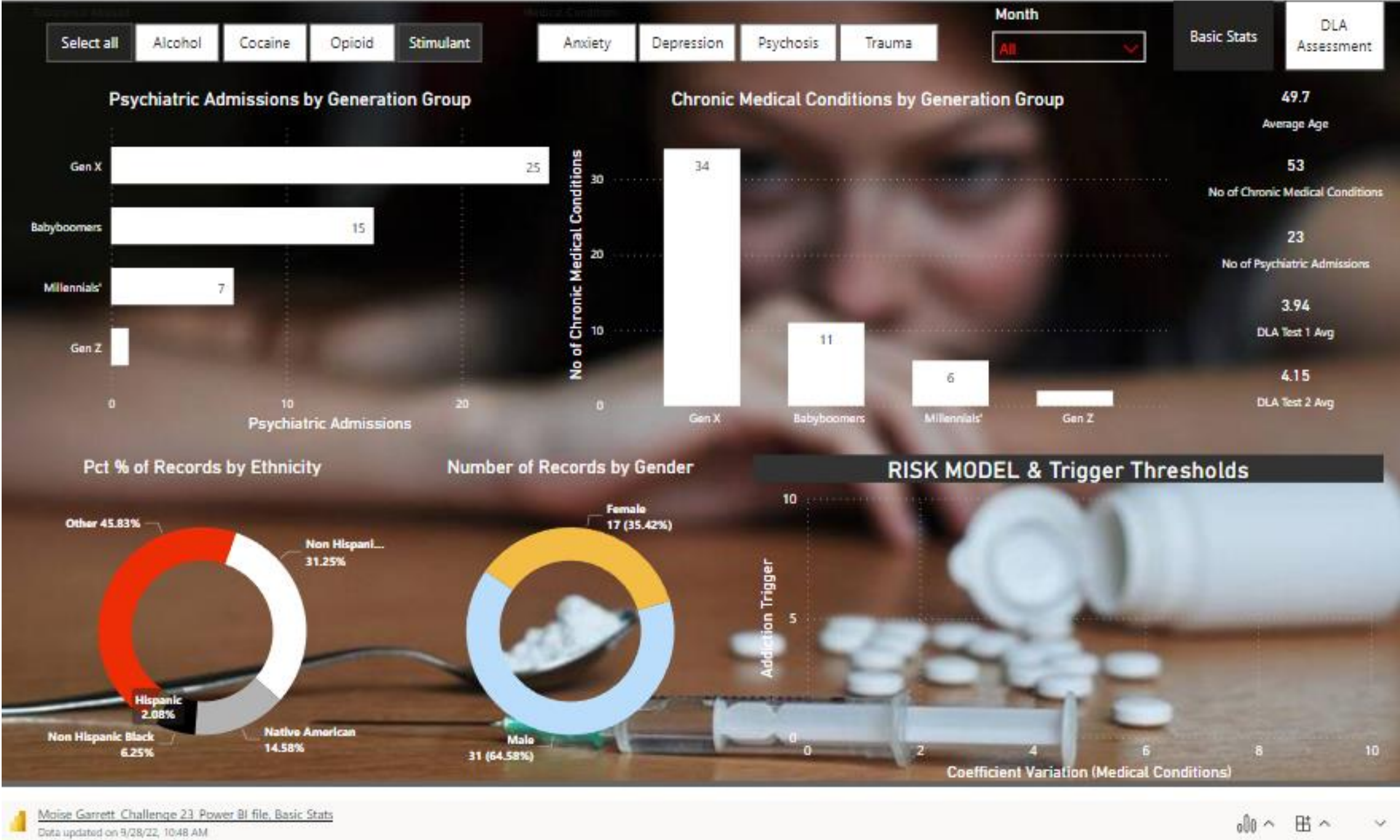
Aman Singh

"This is my submission to Enterprise DNA Challenge 23; I hope you like it"



Moises Garrett

"I'm new to the Challenges but wanted to try something before get too busy with Budget season coming. So, here's my try, basic but I'm learning. I hope you like it."



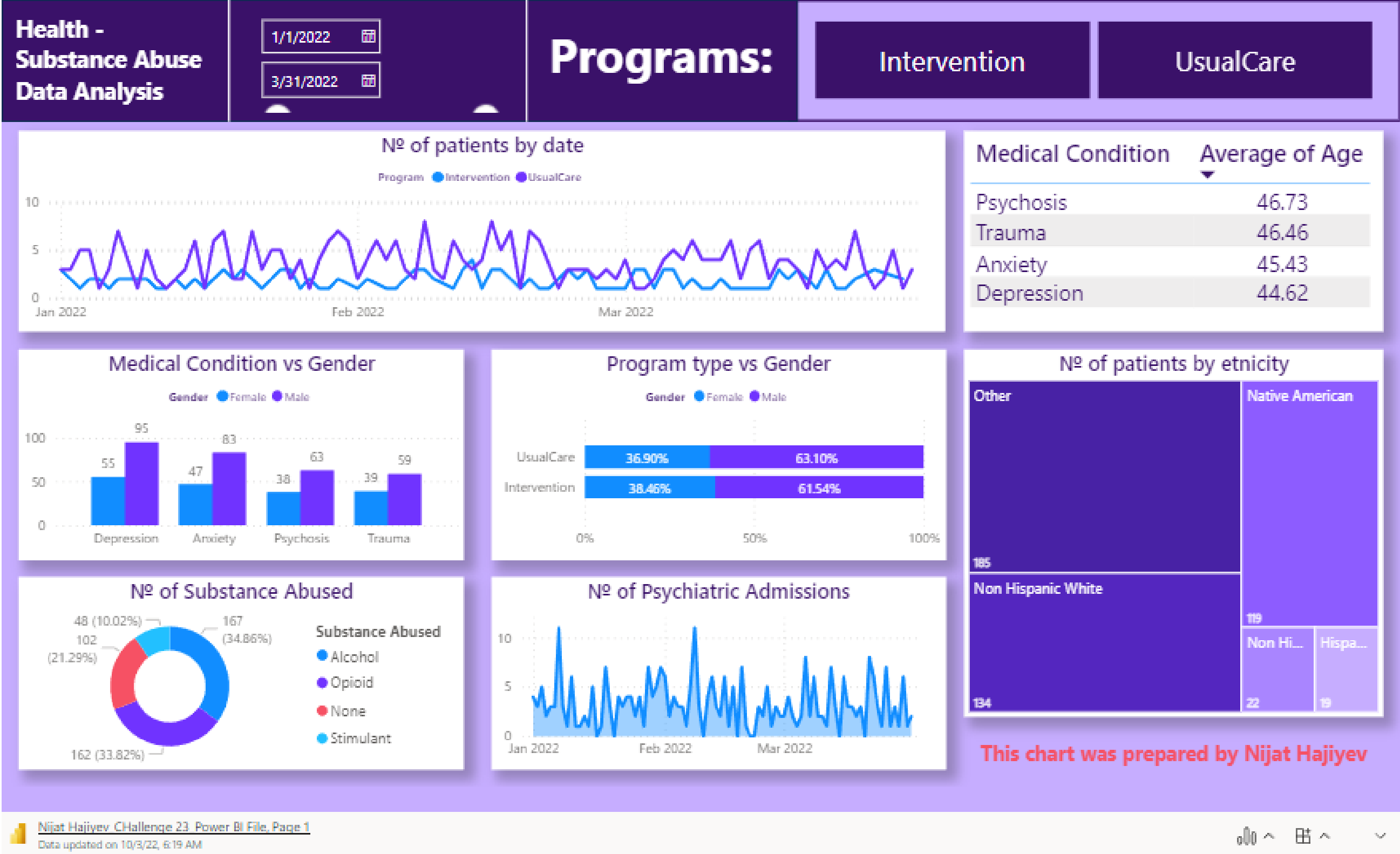
Bryan Garrett

"My approach to this task was to first identify a way of comparing baseline to outcomes for the programs. Once done it was then a case of how to visualise it in an effective manner to tell the story. Not the best challenge to do first up as it was less about dashboarding and more about generating a static report, but it was fun nonetheless."



Nijat Hajiyev

"Please find my report for Enterprise DNA Challenge 23. I hope you like it"



James Jie

"Please find my report for Enterprise DNA Challenge 23. Thanks for the opportunity to work on this challenge."





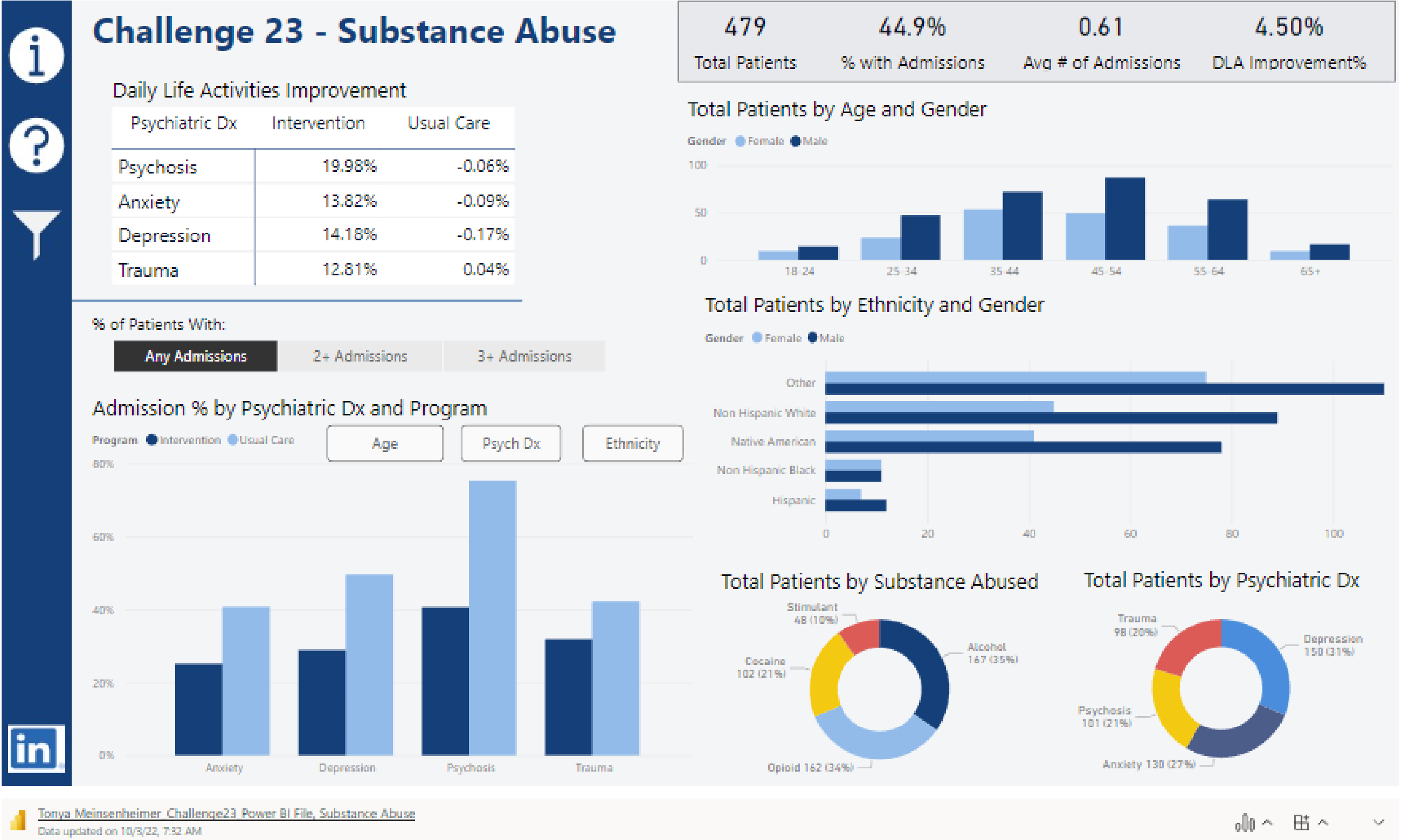
Veronica Aides

"Please find my report for Enterprise DNA Challenge 23. Thanks for the opportunity to work on this challenge and for the support."



Tonya Meinsenheimer

"Please find my report for Enterprise DNA Challenge 23. Thanks for the opportunity to work on this challenge. I hope you like it."



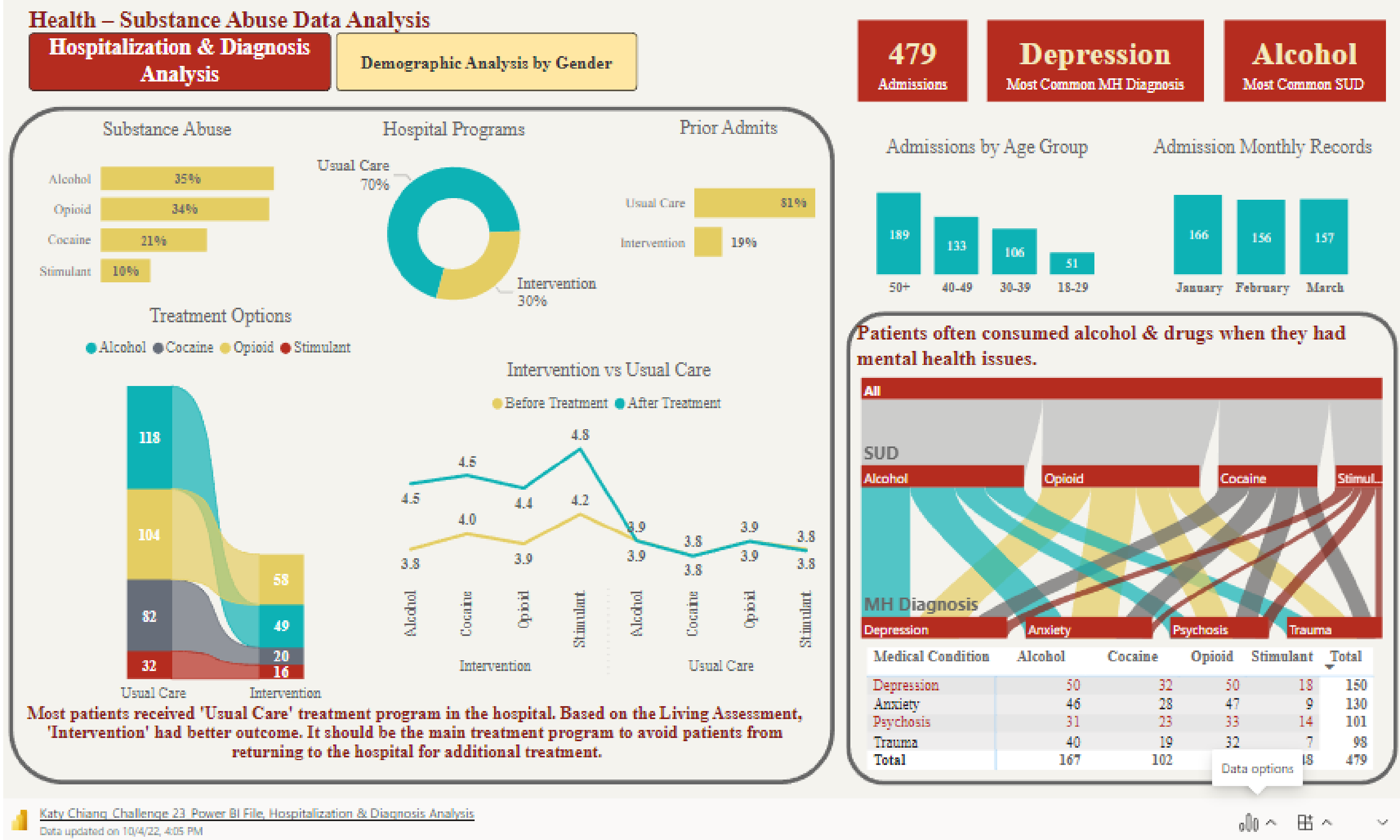
Cecilia Enrich

"Please find my report for Enterprise DNA Challenge 23. Thanks for the opportunity to work on this challenge. I hope you like it."



Katy Chiang

"Please find my report for Enterprise DNA Challenge 23. I hope you like it."



479
Admissions

Depression
Most Common MH Diagnosis

Alcohol
Most Common SUD

Admissions by Age Group

50+	189
40-49	133
30-39	106
18-29	51

Admission Monthly Records

January	166
February	156
March	157

Patients often consumed alcohol & drugs when they had mental health issues.



Medical Condition	Alcohol	Cocaine	Opioid	Stimulant	Total
Depression	50	32	50	18	150
Anxiety	46	28	47	9	130
Psychosis	31	23	33	14	101
Trauma	40	19	32	7	98
Total	167	102	18	479	

Katy Chiang Challenge 23 Power BI File, Hospitalization & Diagnosis Analysis
Data updated on 10/4/22, 4:05 PM

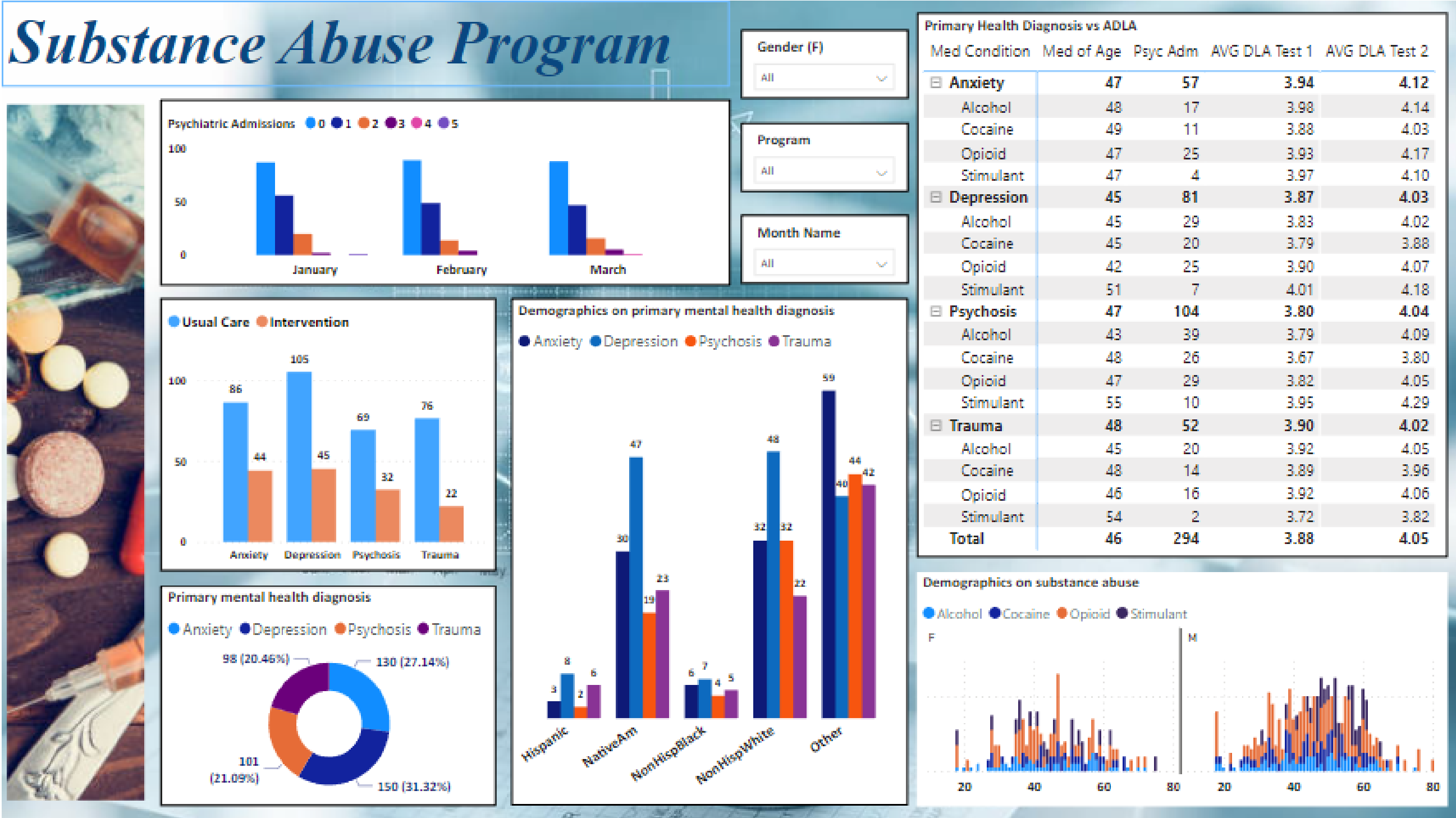
Noelia Navarro

"Please find my participation for Enterprise DNA Challenge 23. I hope you like it."



Anibal Ceballos

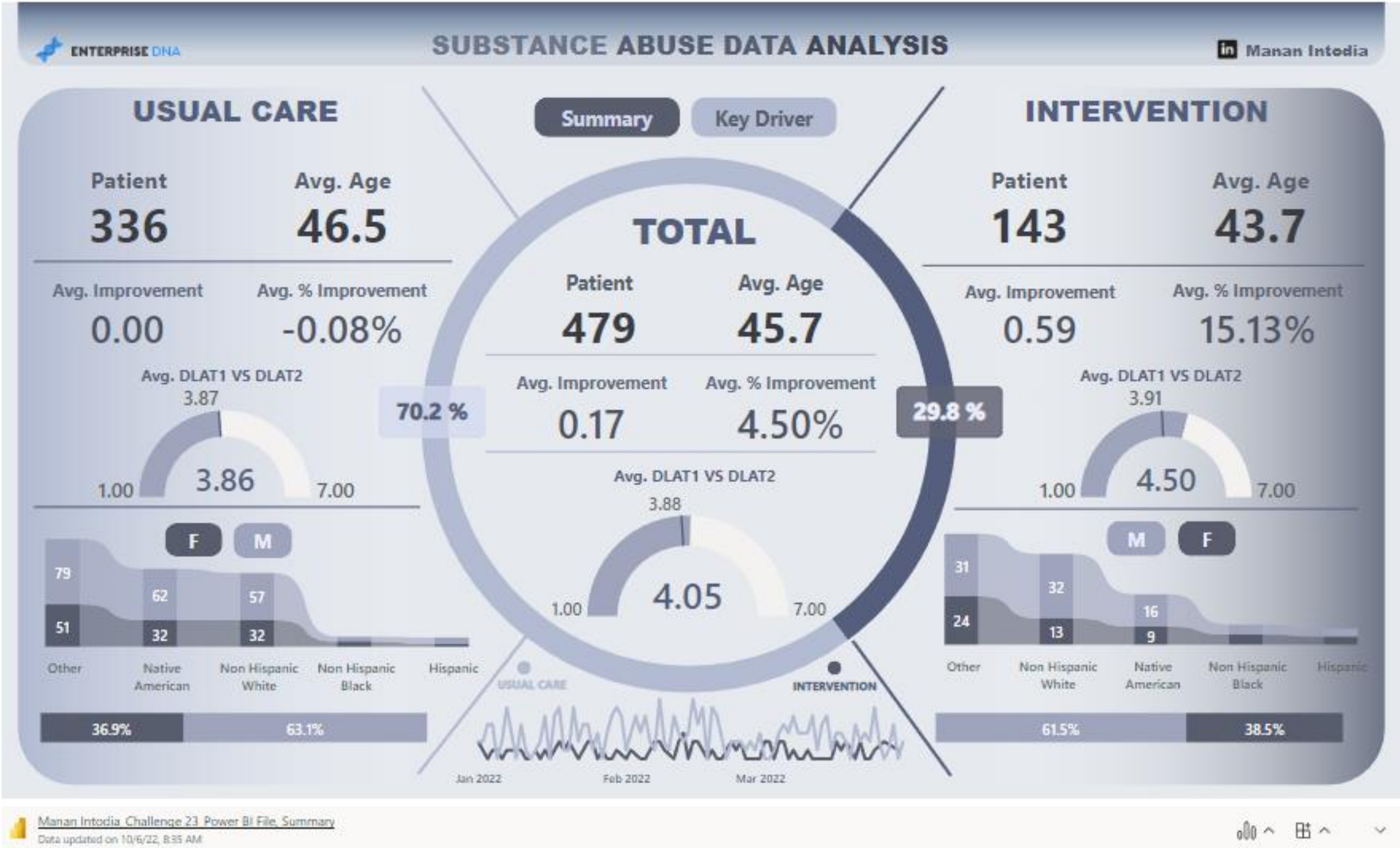
"Please find my participation for Enterprise DNA Challenge 23. I enjoyed working on this Dataset. I hope you like it."

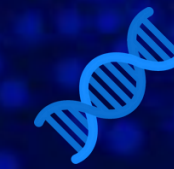


Anibal Ceballos, Challenge 23, Power BI File, Substance Abuse overview
Data updated on 10/5/22, 6:04 AM

Manan Intodia

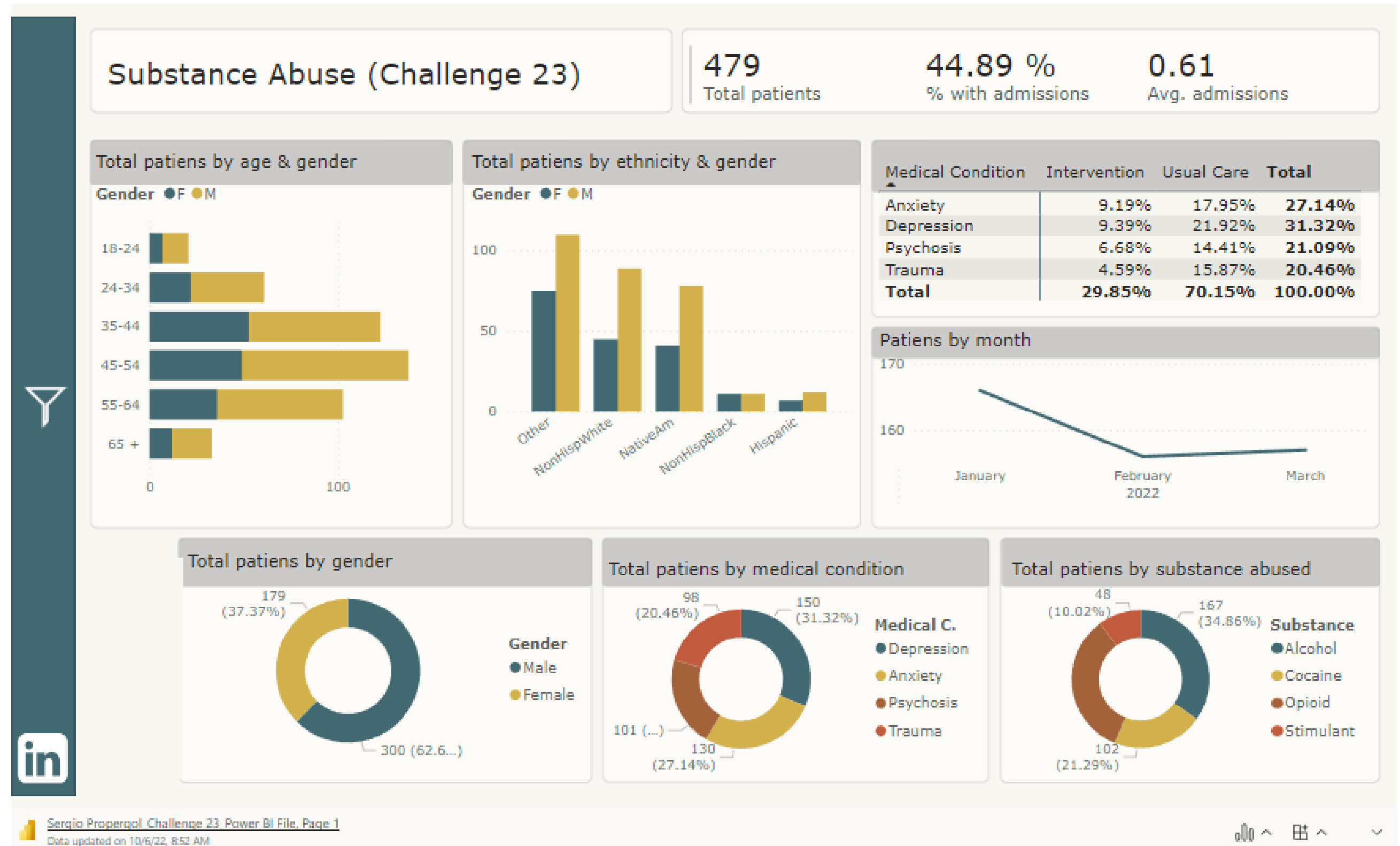
"This is first submission to Enterprise DNA challenge Oct 23. The dataset was so unique and interesting to work with that you don't see it on many other challenges and top of that, I personally did try to present it in a bit different style than my other reports/dashboards. The dataset hooked me to it."

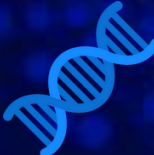




Sergio Propergol

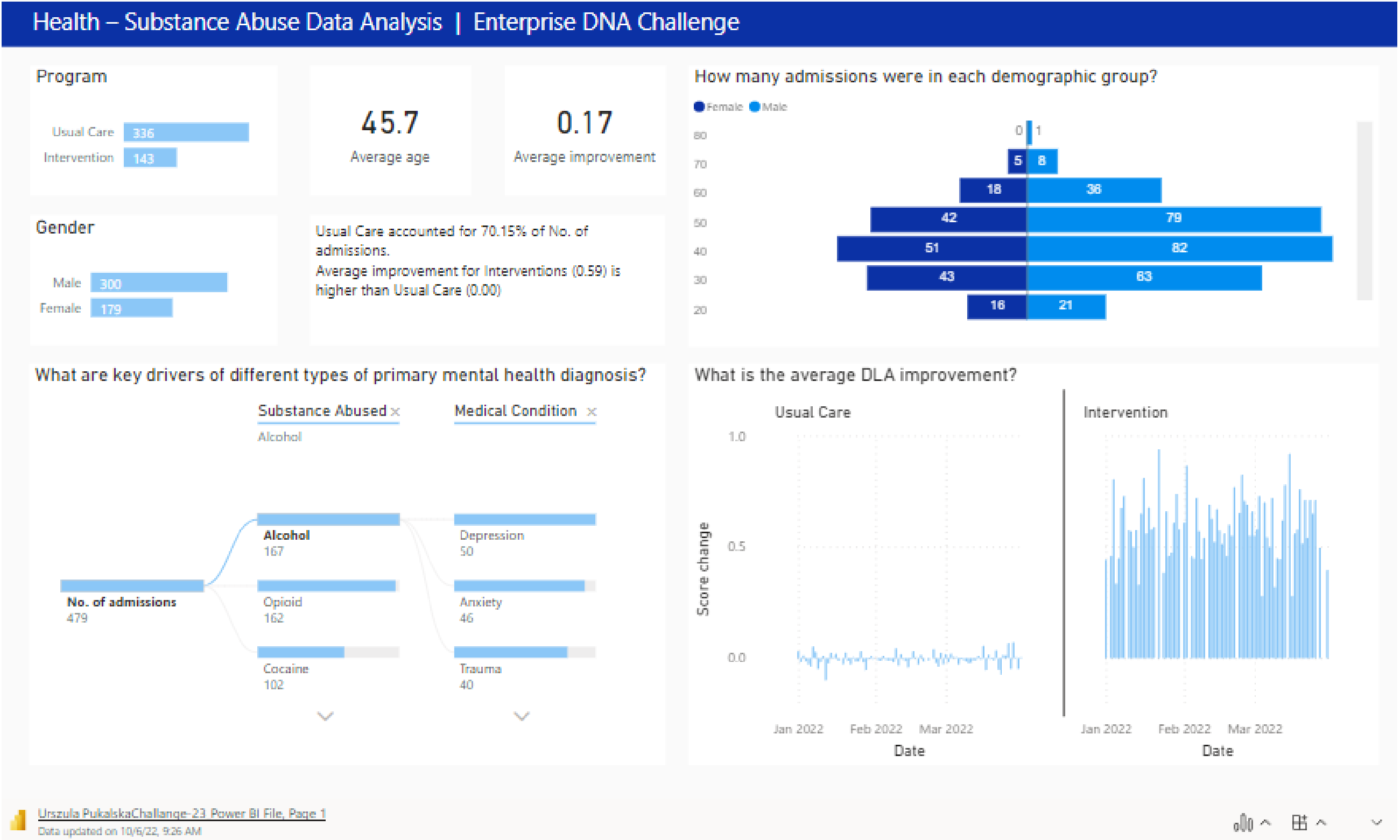
"This is first submission to Enterprise DNA challenge Oct 23. Thank you for the challenge, it won't be my last one."





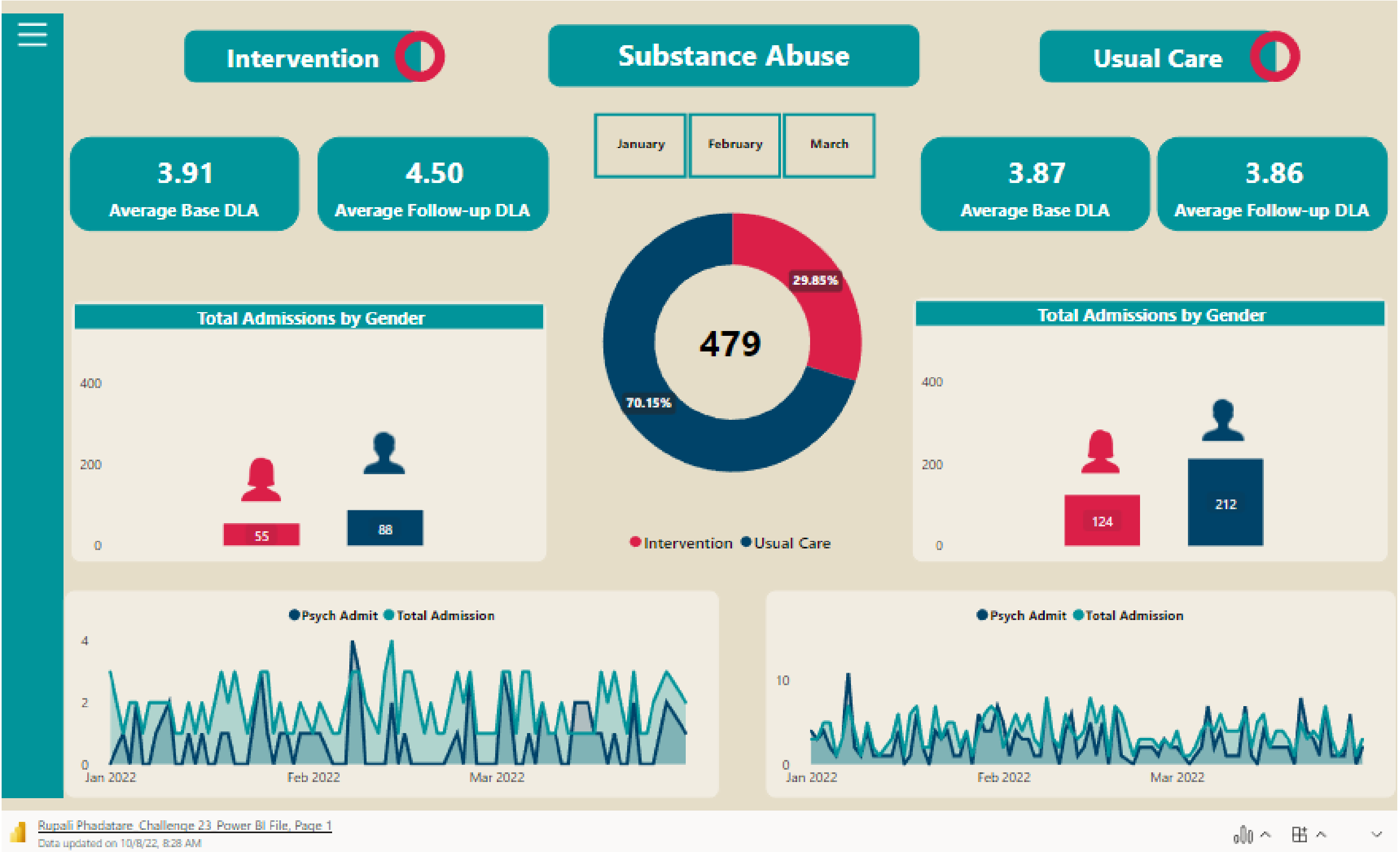
Urszula Pukalska

"This is first submission to Enterprise DNA challenges. I accepted the Enterprise DNA challenge and decided that I will try and not put this work into a drawer. I hope you like it."



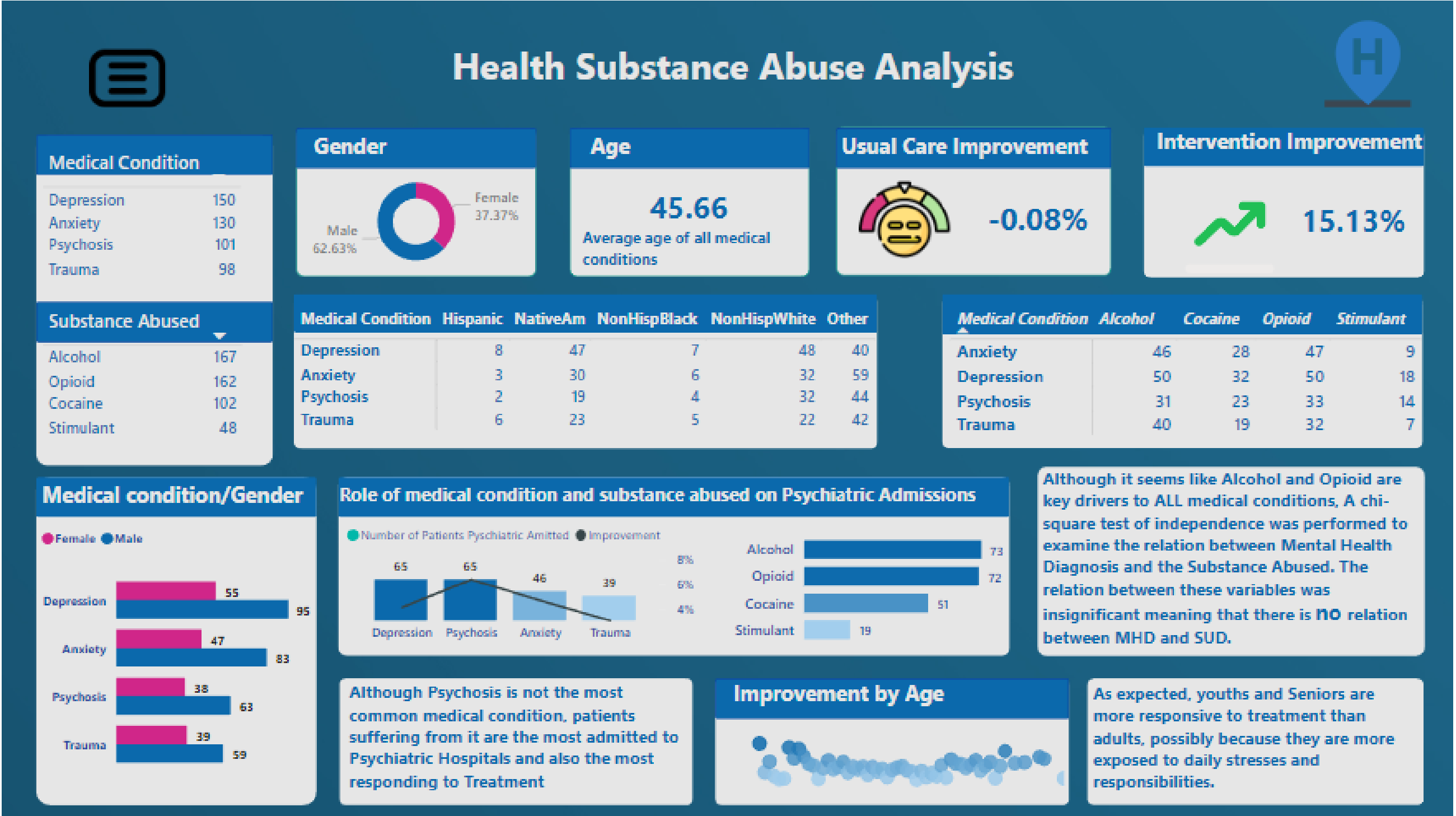
Rupali Phadatare

"This is first submission to Enterprise DNA challenges. I accepted the Enterprise DNA challenge. I hope you like it."



Omar Sherif

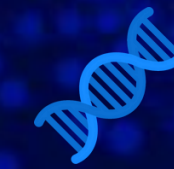
"This to Enterprise DNA challenges. I accepted the Enterprise DNA challenge. I hope you like it. "



Francis Folaranmi

"This is my entry to the Enterprise DNA challenge 23 "Health-Substance Abuse ". Amazing dataset, I Hope you like it. "





Maryam Salehi

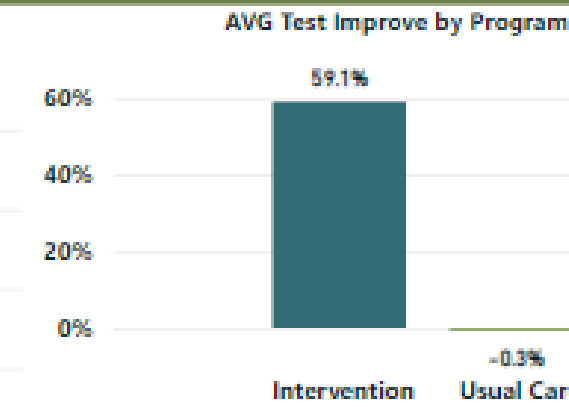
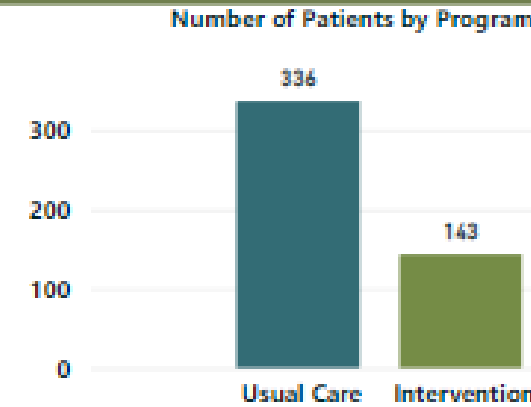
"This is my entry to the Enterprise DNA challenge 23 "Health-Substance Abuse". Thank you for providing this opportunity for me and others to learn more."

Enterprise DNA Substance Abuse Insights

Program Comparison

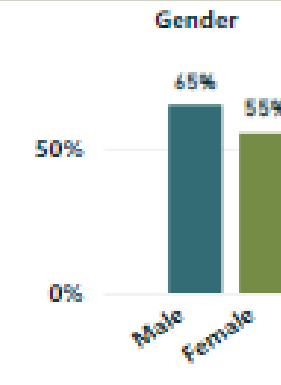
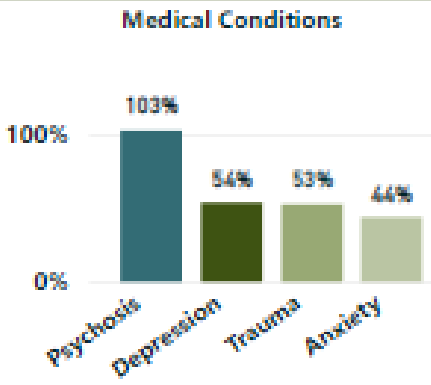
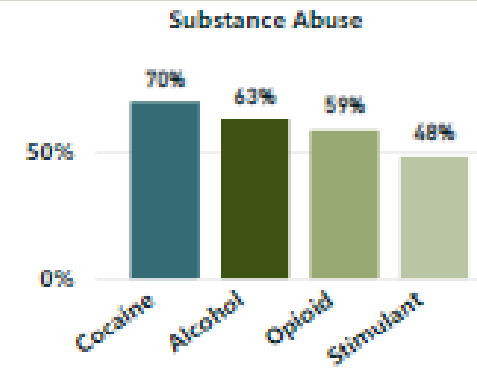
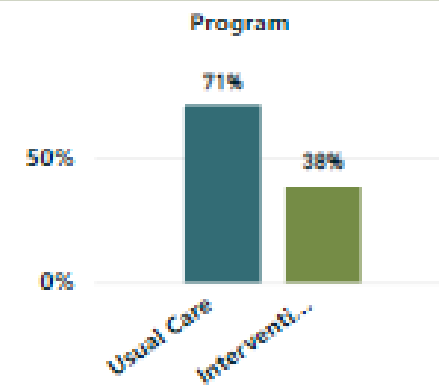
479
Number of Patients

17.4%
AVG Test Improve



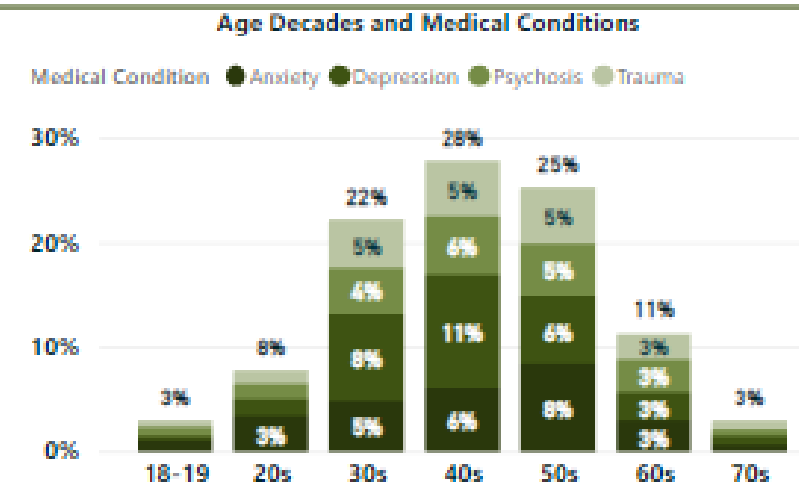
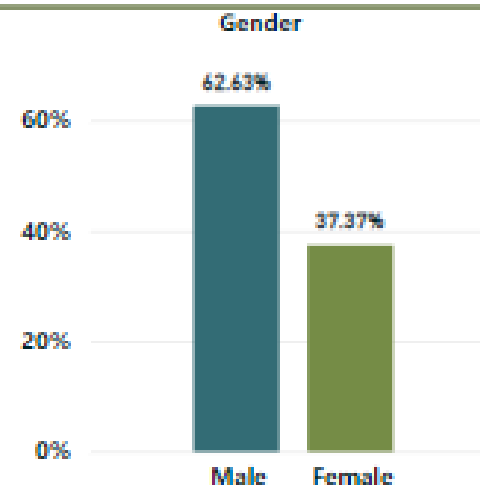
Patients who chose Intervention had 59% Improvement in Test 2 against Test1. While that was - 0.3 % for those with Usual Care. Patients of Intervention Program with Psychosis got better test improvement. Those who consumed Alcohol also got better result for test improvement

Avg Psyc Admission By:



Avg Psyc Admissions was affected mostly By Program type Usual Care(71%), Cocaine(70%),Medical condition psychosis(103%) and Gender Male(65%). each one is evaluated against only its population, not Total Population. For example, 71% of all patients who opted Usual Care, got admitted to hospital.

Percent of Patients By:

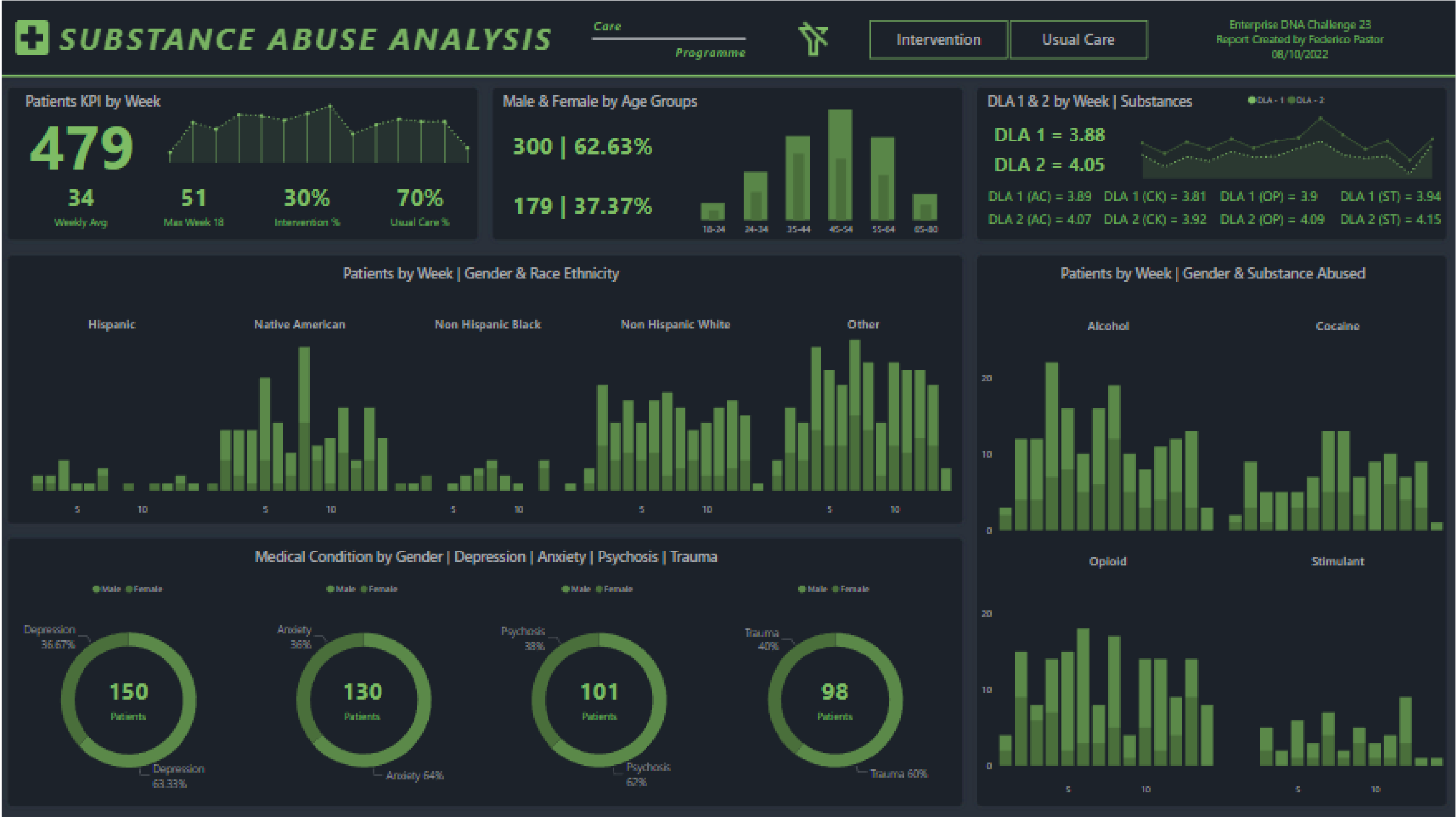


People in their 30s to 50s are more likely to get psychological disorders with 75% of total. and Men with 62%, are more prone to disorders. and depression is widespread among both genders.

While men are more Opioid Consumers. Women are addicted more to Alcohol

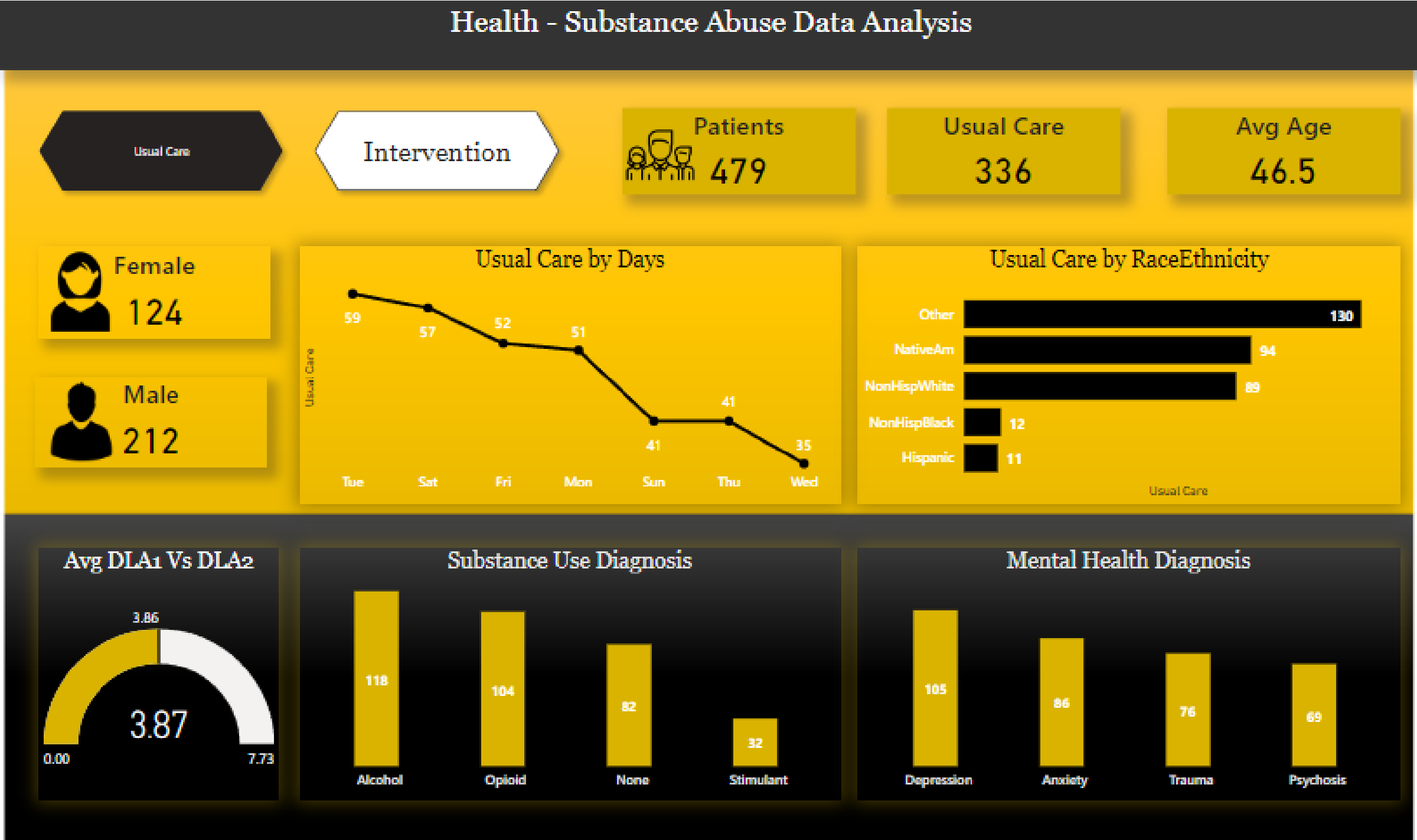
Federico Pastor

"This is my entry to the Enterprise DNA challenge 23 "Health-Substance Abuse". The dataset appears small, but it is full of insights, I hope I make it justice with this metrics based one-page report. I hope you like it."



Nenavath Nagaraj

"This is my entry to the Enterprise DNA challenge 23 "Health-Substance Abuse". I have directed my attention to the programs that patients can avail for my analysis. hope you like it."



Health – Substance Abuse



Neeraj Kumar

"This is my entry to the Enterprise DNA challenge 23 "Health-Substance Abuse". I am excited to be part of such a great contest. I hope you like it."

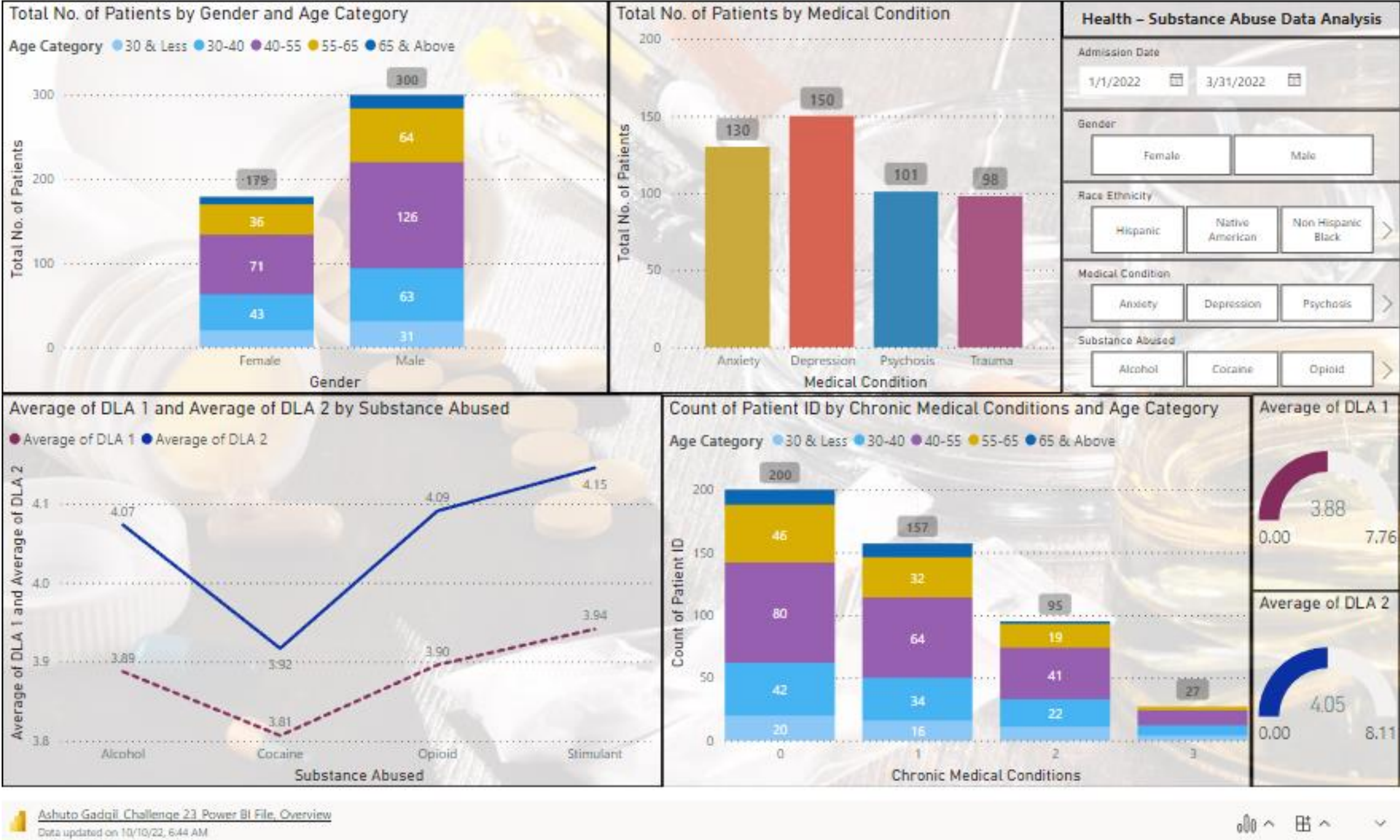


Health – Substance Abuse



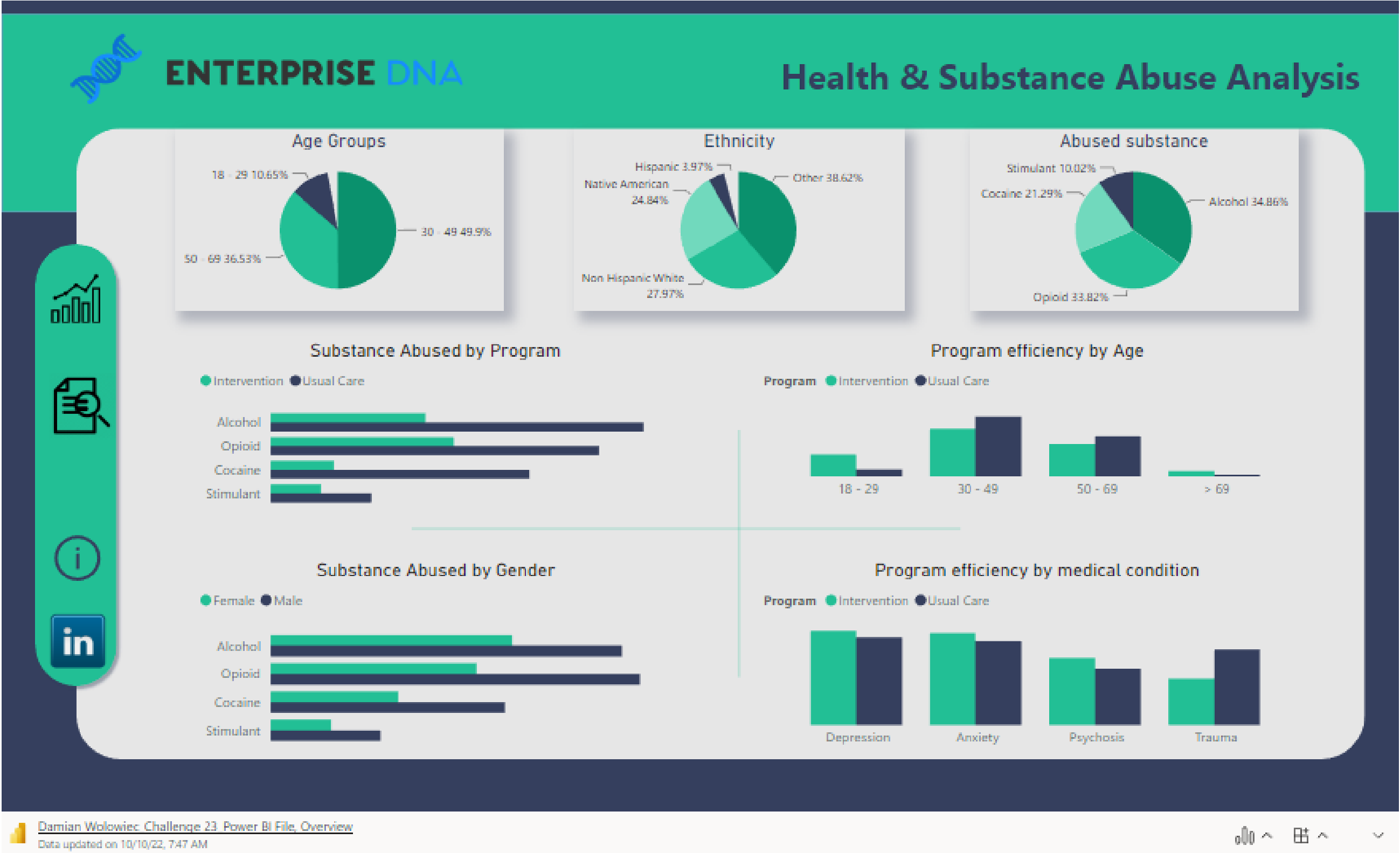
Ashuto Gadgil

"This is entry to the Enterprise DNA challenge 23 "Health-Substance Abuse". Excellent Dataset. I hope you like it."



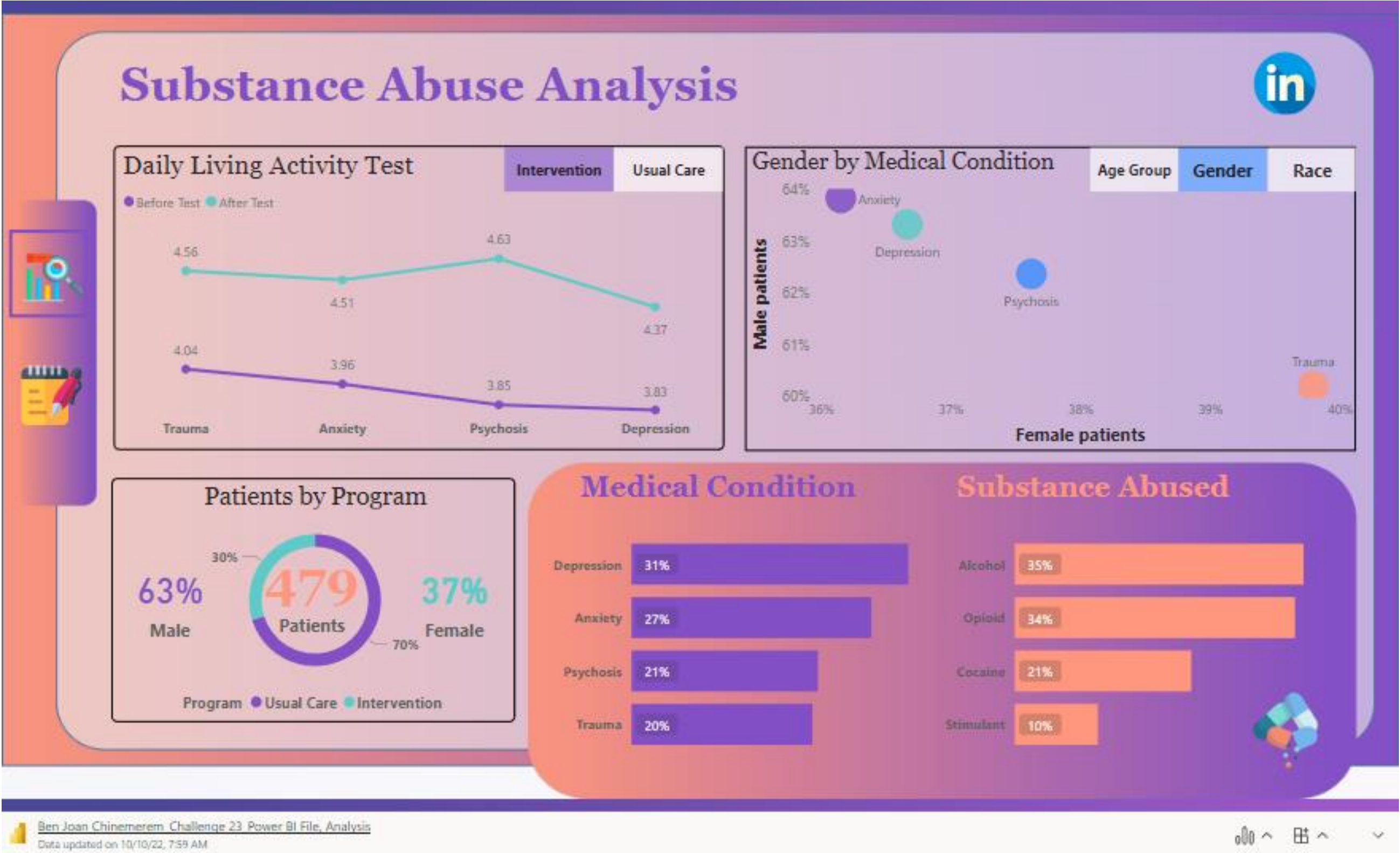
Damian Wolowiec

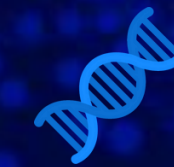
"This is the first time I participate in the challenge. My goal was to create an easy-to-read dashboard with consistent look. I used some custom tool-tip pages and navigation panel. This is one of my very first dashboards ever since I am currently an accountant."



Ben Joan Chinemerem

"This is the first time I participate in the challenge. Very interesting dataset, thanks for the challenge and I hope you like it."





**Ayşe
Ayaz**

"This is my entry challenge 23. Very interesting dataset, thanks for the challenge and I hope you like it."

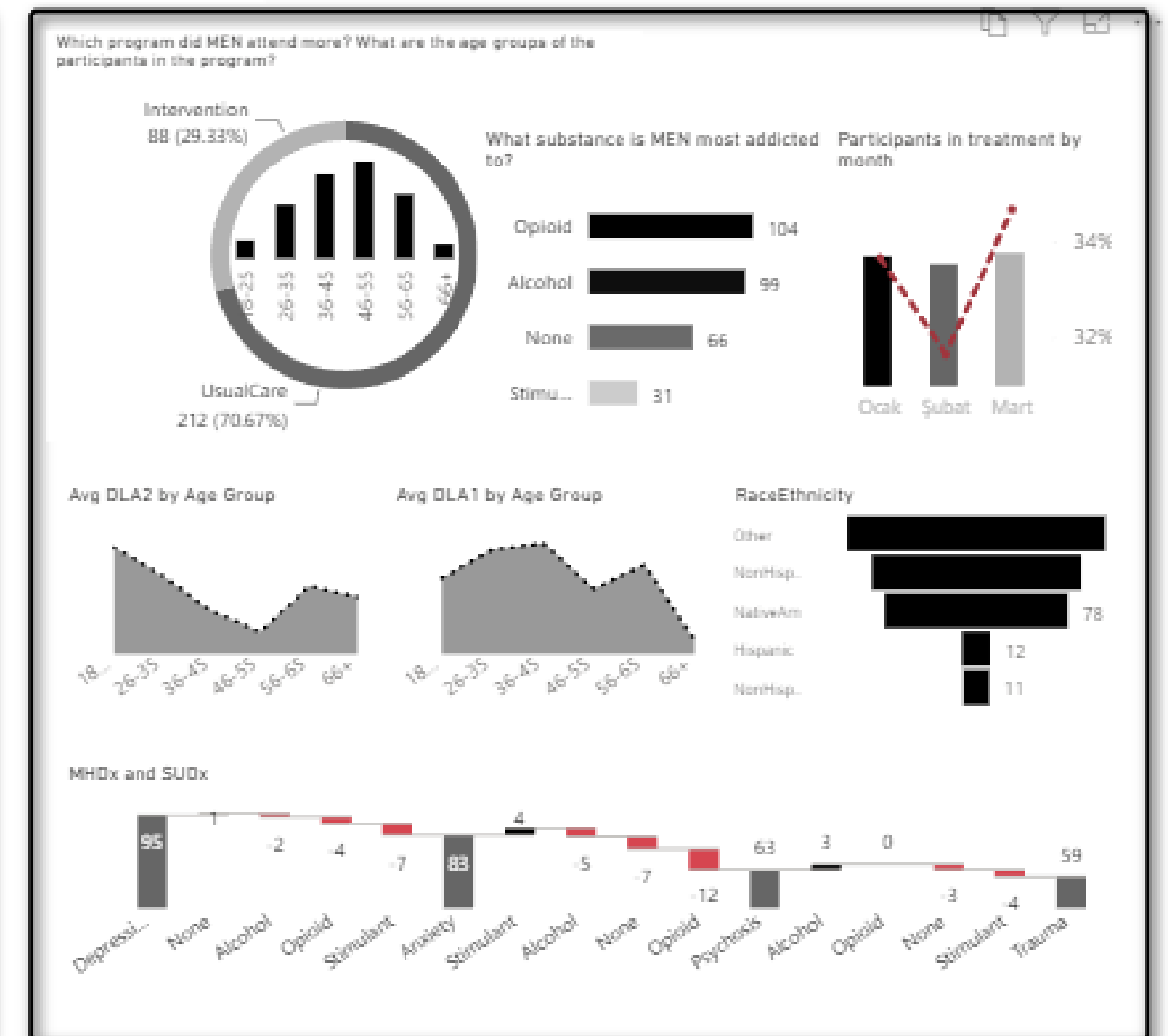
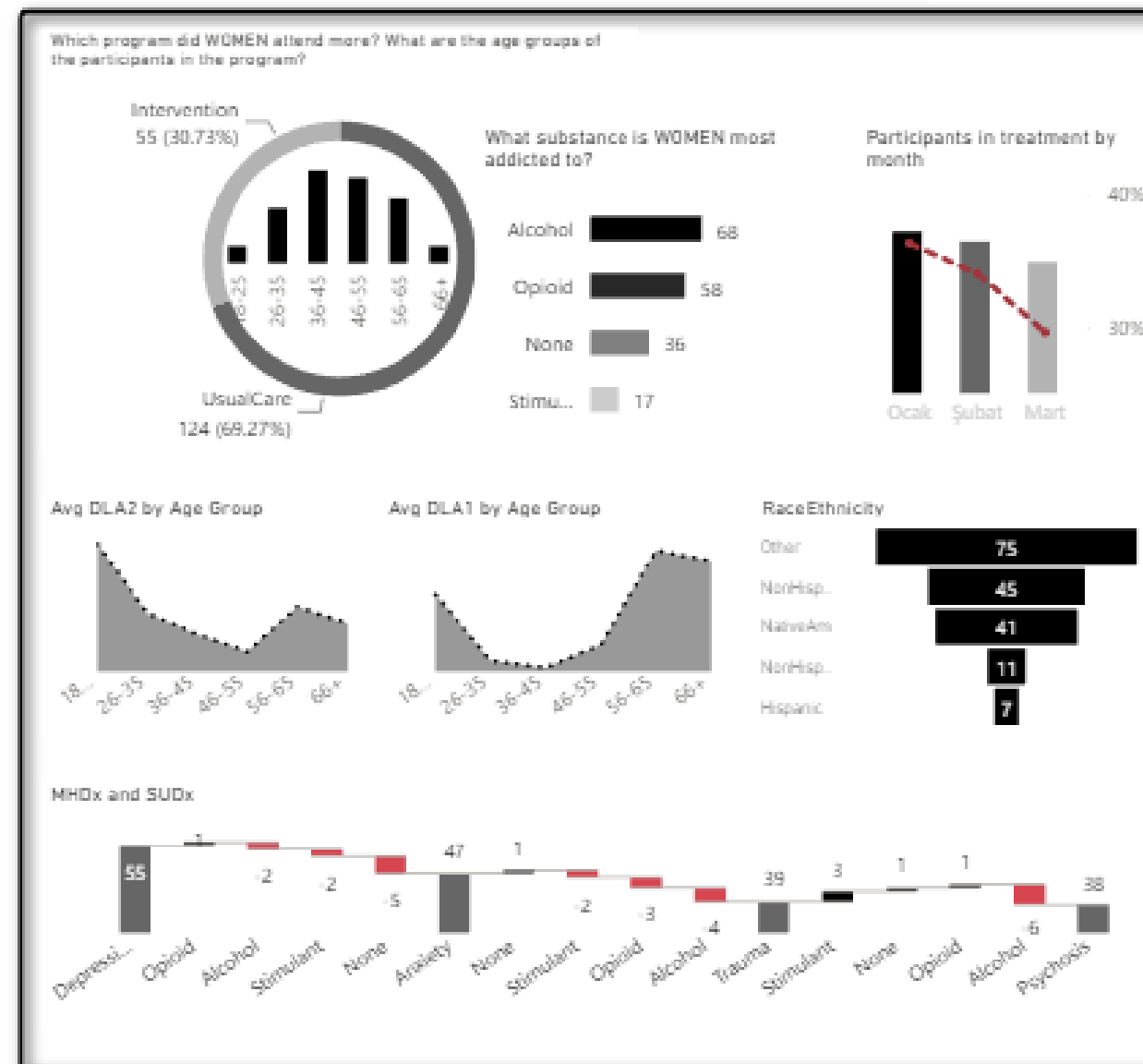


There are 479 patients in the dataset we analyzed. 179 are female and 300 are male. Whilst addiction % amongst women are 56%, it's measured 67% amongst men. The average age of applicants to the program for women is 36-45, while for men it is 46-55

ADDICTION by GENDER

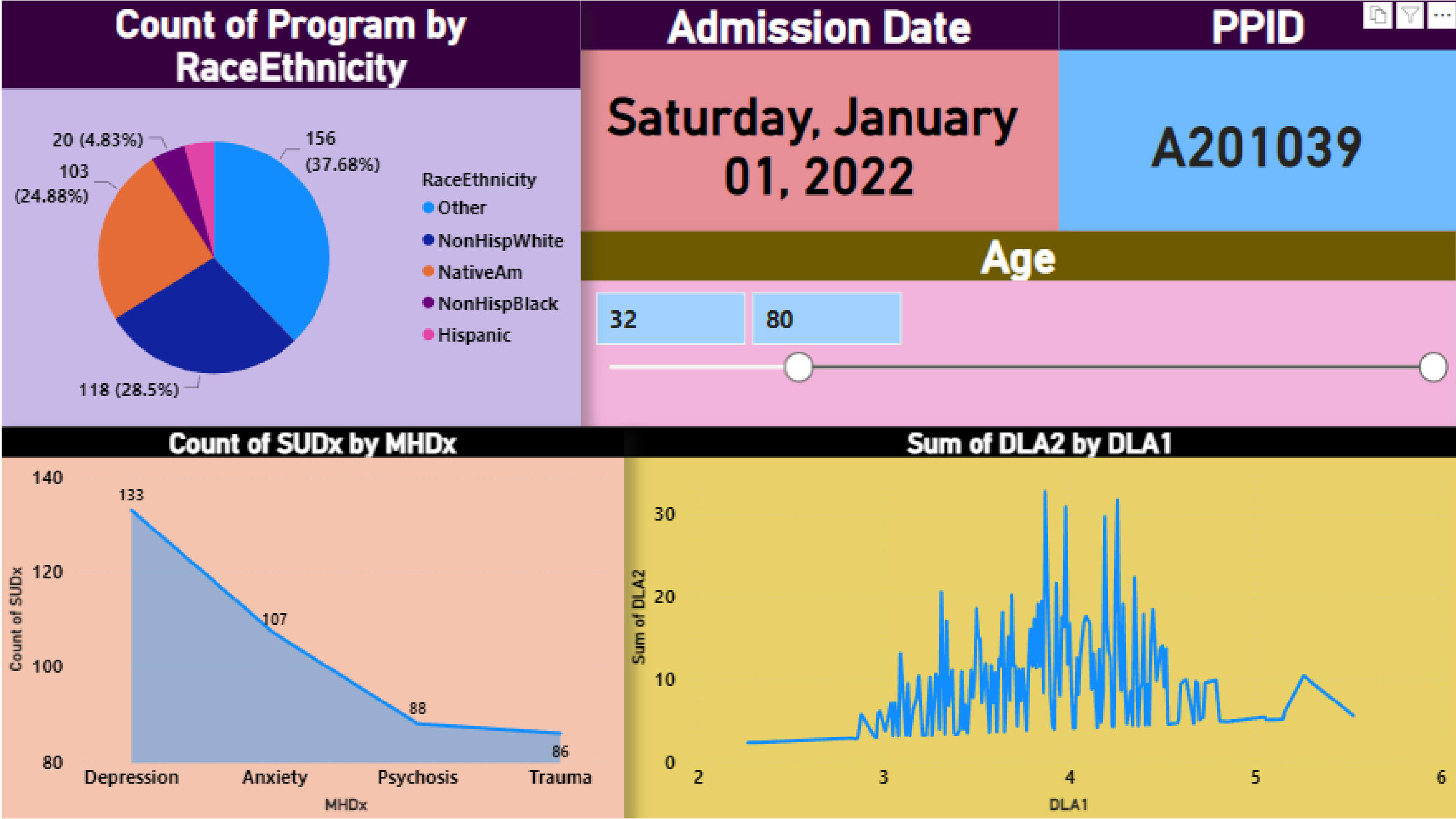
Who's more addicted to what?

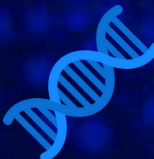
The substance that women are addicted to is 'Alcohol', men's 'Opioid'. The applications of women were at least in March, while the most of men were in March and SUDx is 'Depression' in both groups



Kirti Singh

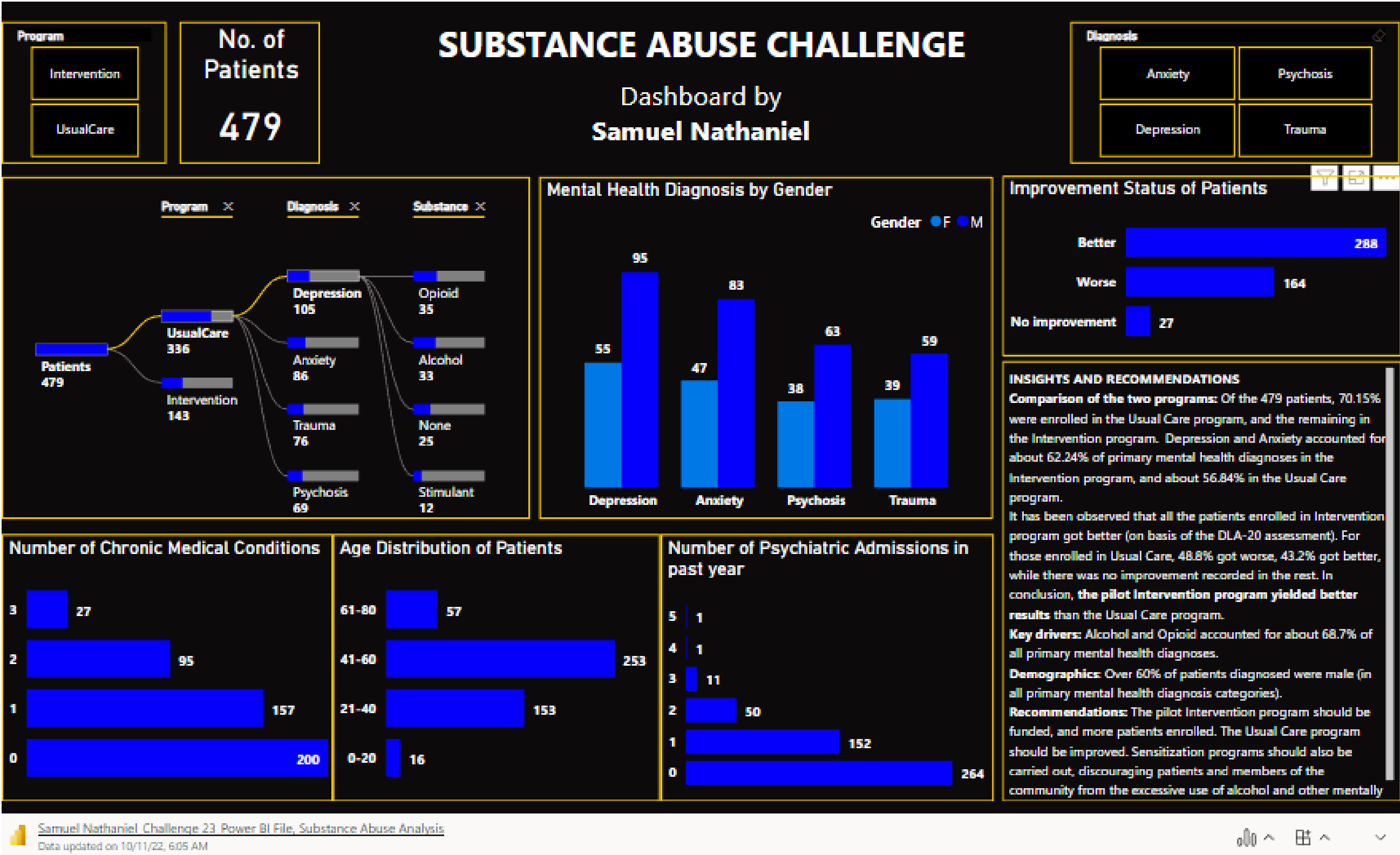
"This is my entry for challenge 23. Very interesting dataset, thanks for the challenge and I hope you like it. This is my first entry into EDNA challenges too."





Samuel Nathaniel

"This is my entry for challenge 23. Thanks for the challenge and I hope you like it."



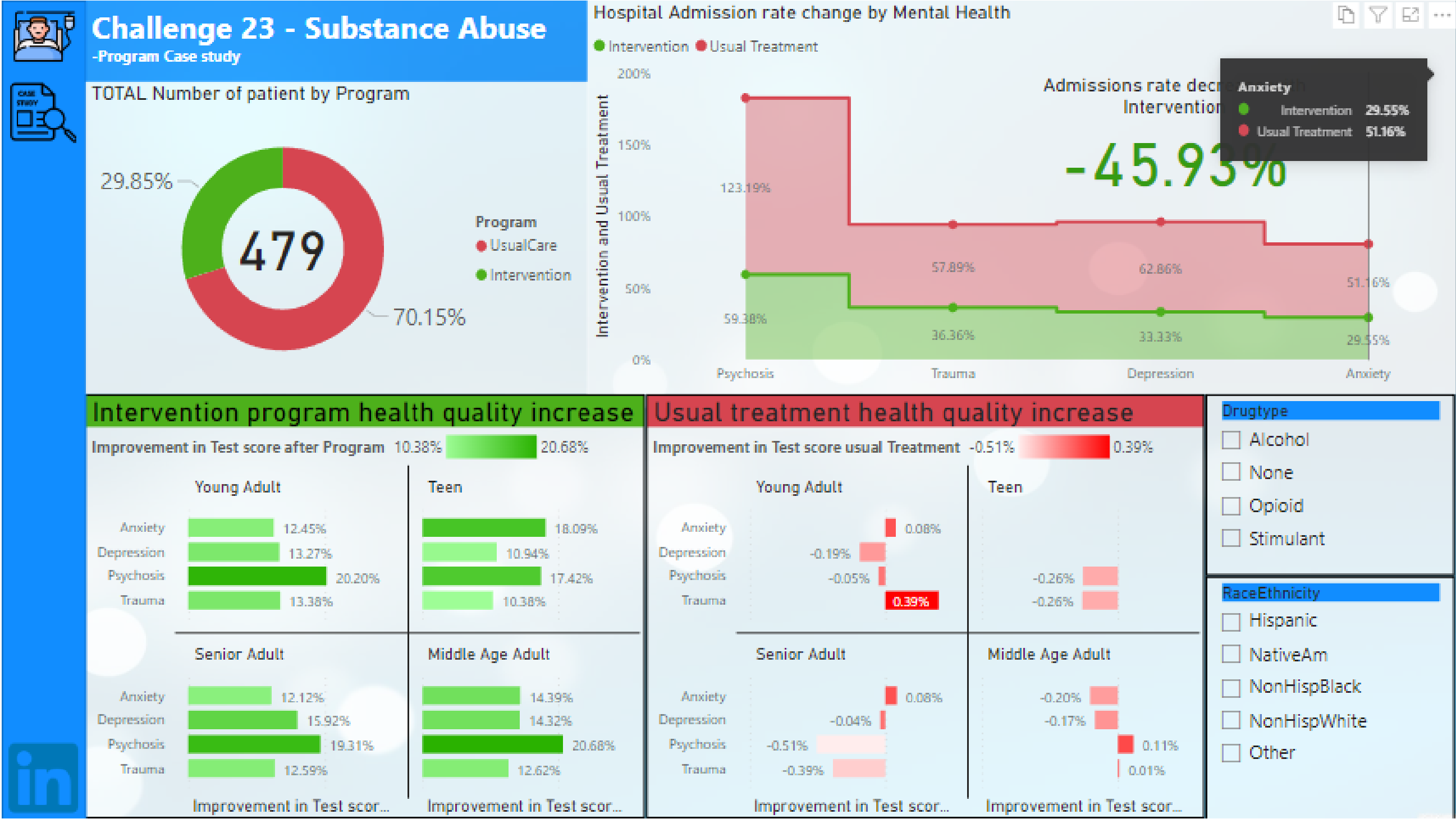
Health – Substance Abuse

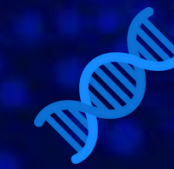


Ervin

Szus

"This is my first entry for an EDNA Challenge. Thanks for the support. I have learned a lot on this project. I hope you like it."





Pedro Toscano

"I accepted the Enterprise DNA challenge. For this report I have used field parameters to filter dynamically all the visuals and a native tornado chart cheating the format number."

PD Federico: Al final me he animado!! jeje saludos desde Huelva!!





Todd Fetcho

"I accepted the Enterprise DNA challenge. This is my first entry. Thank you for the intriguing dataset and the opportunity to showcase what I have learned."



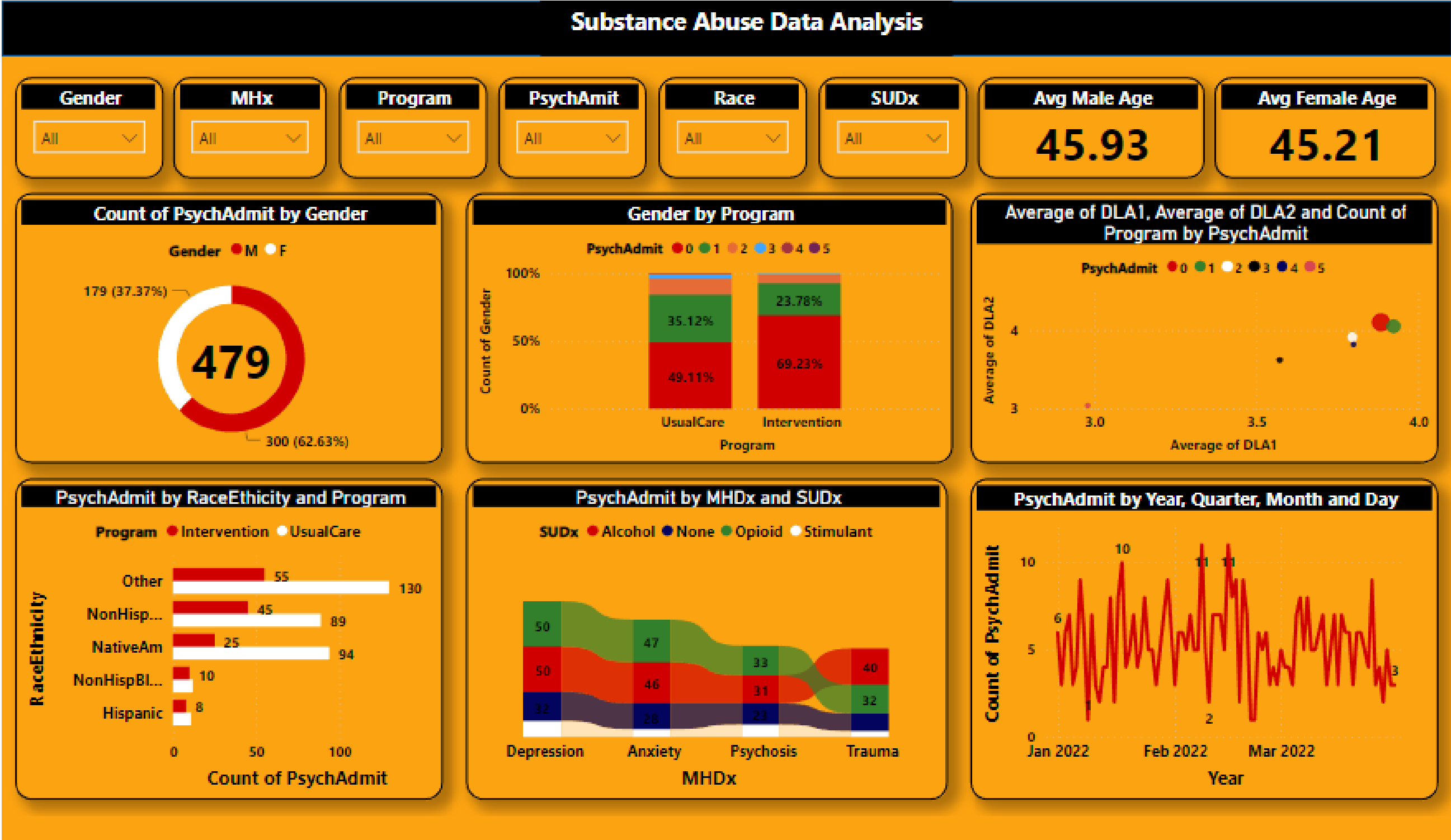
Nilay Mukhopadhyay

"I accepted the Enterprise DNA challenge. This is my first entry. Thank you for the interesting dataset and challenge. I hope you like it."



Nikhil Meshram

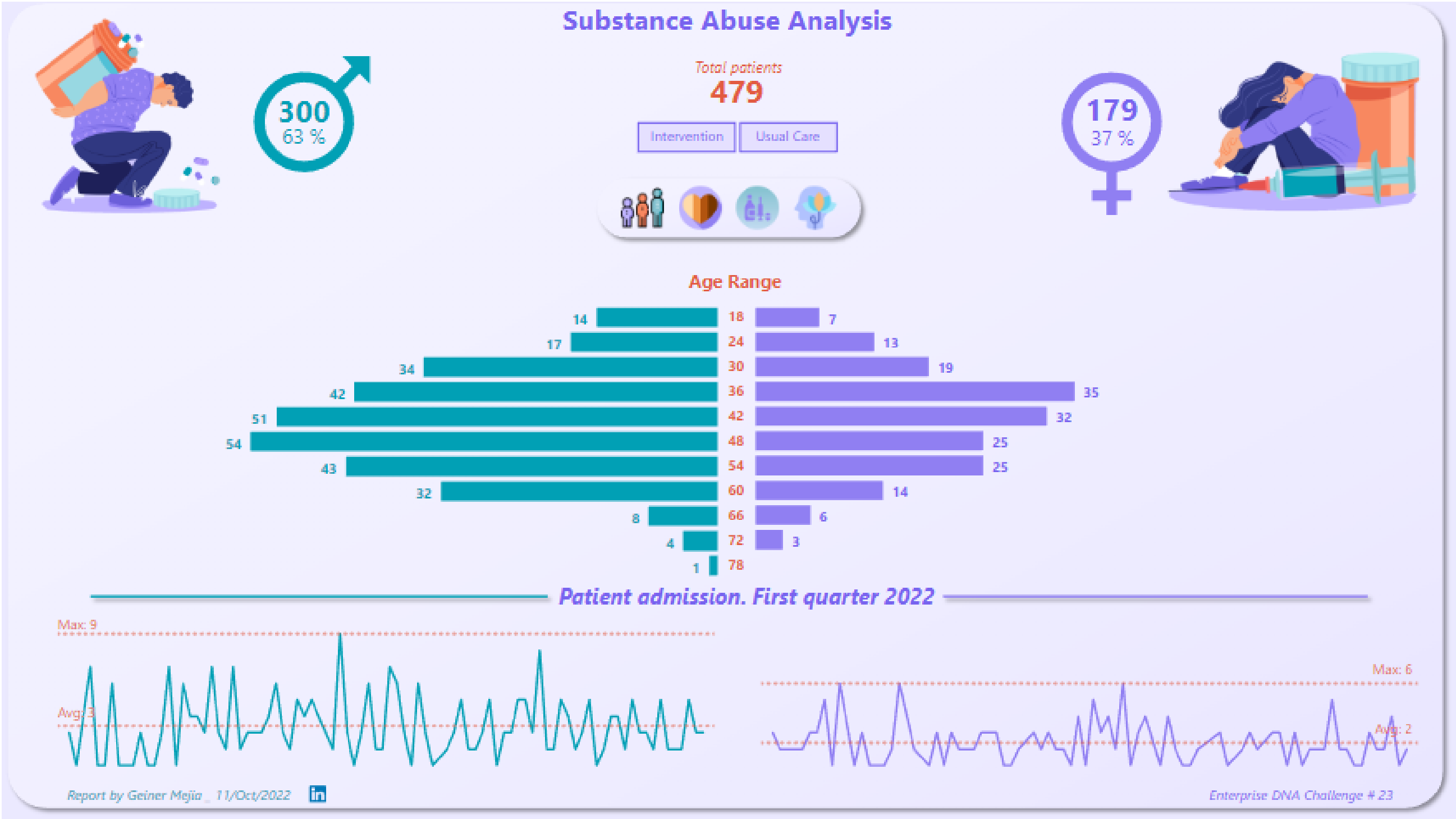
"I accepted the Enterprise DNA challenge. This is my first entry. Thank you for the good dataset and challenge. I hope you like it."





Geiner Mejia

"I accepted the Enterprise DNA challenge. This is my first entry. This was a very interesting experience. My approach was to do something simple but with the ease of accessing all the relevant information and pleasing to the eye."



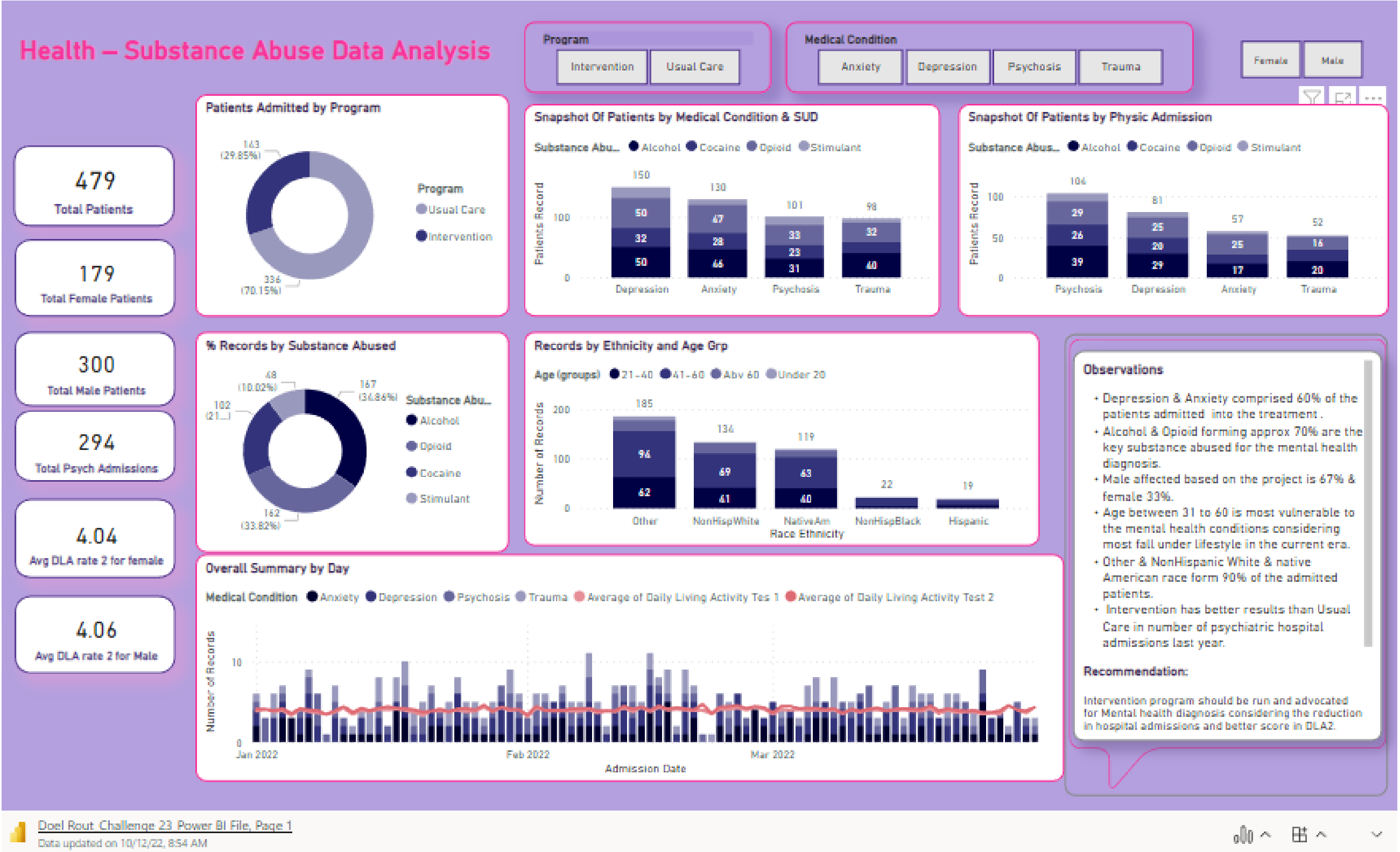
Nabil Khalid

"I accepted the Enterprise DNA challenge. This is my first entry. This was a very interesting experience. My approach was to do something simple but with the ease of accessing all the relevant information and pleasing to the eye."



Doel Rout

"I am a first timer to this Data Challenge. I recently completed my Beginner's course with EDNA and found the modules quite helpful and looking further to brush up my PBI skills. I kept my approach simple for this challenge, understanding the basic requirement of the client and preparing my analysis based on the same."



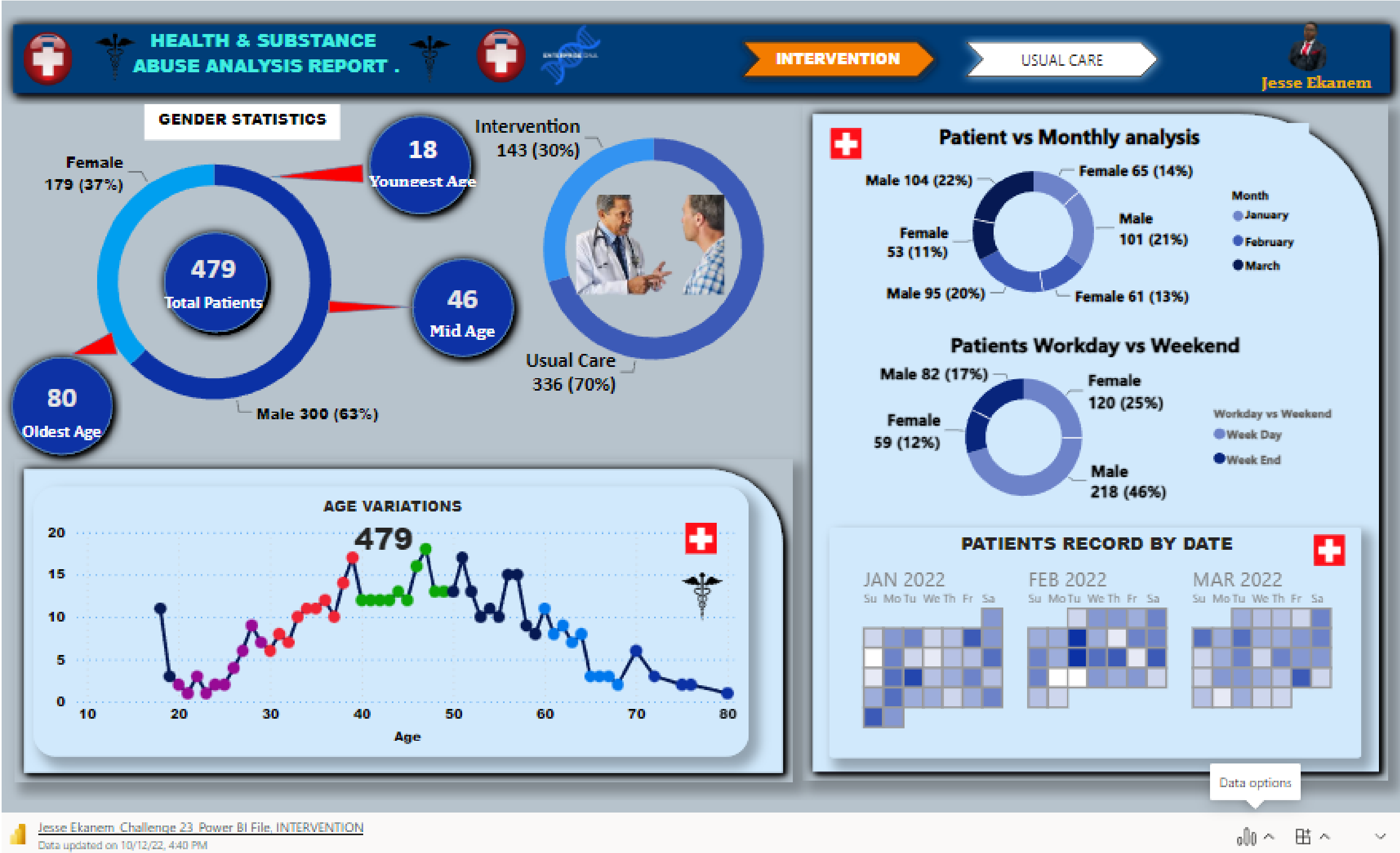
Fred Bevan

"After reviewing the data, I decided to focus on the success of the intervention program compared to the usual care program. The report highlights the success of the programs based the number of psychiatric admissions (lower is better) and on the change scores from Test 1 to Test 2 (higher is better)."



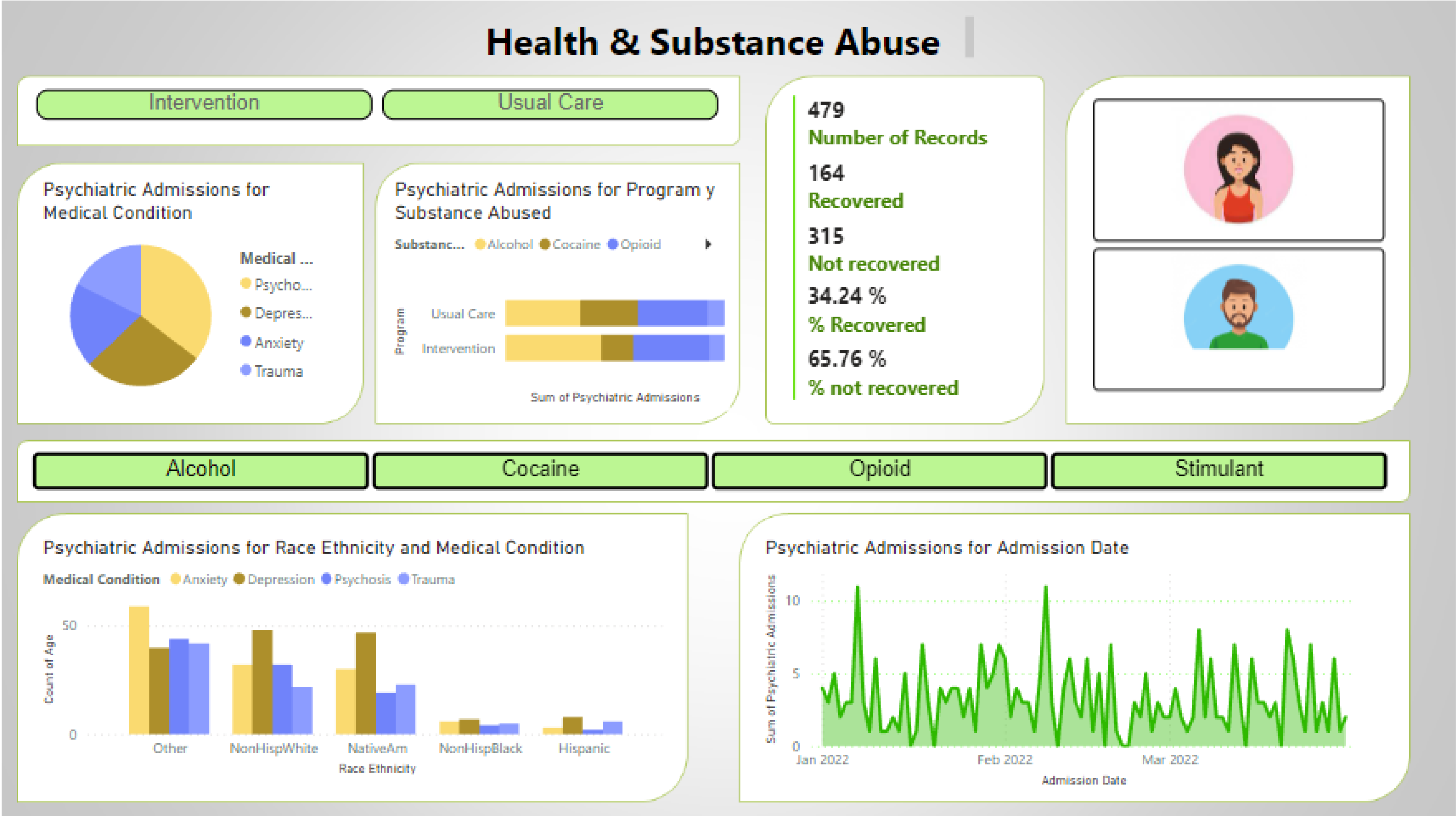
Jesse Ekanem

“This is my first entry to an Enterprise DNA Challenge. I found the dataset very interesting. Thank you for the opportunity and I hope you like it.”



Carlos Rodil

“This is my first entry to an Enterprise DNA Challenge. Thank you for the opportunity and I hope you like it.”



Vicente A Juan


“This is for Challenge 23 “Health-Substance Abuse Data Analysis” of Enterprise DNA Challenge. Thank you for the opportunity, I liked the dataset. I hope you like it.”


Health & Substance Abuse Analysis ENTERPRISE DNA


Total Patients **479** AVG DLA1 **3.88** AVG DLA2 **4.05**

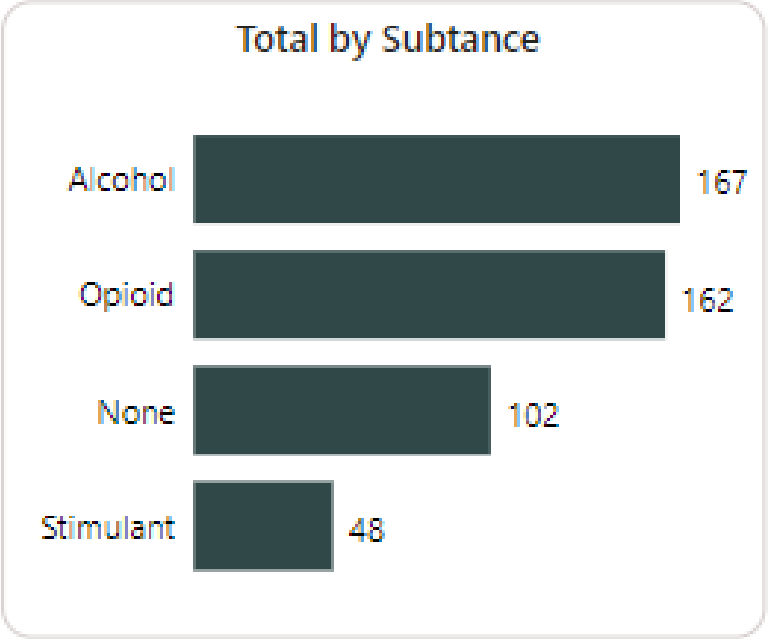
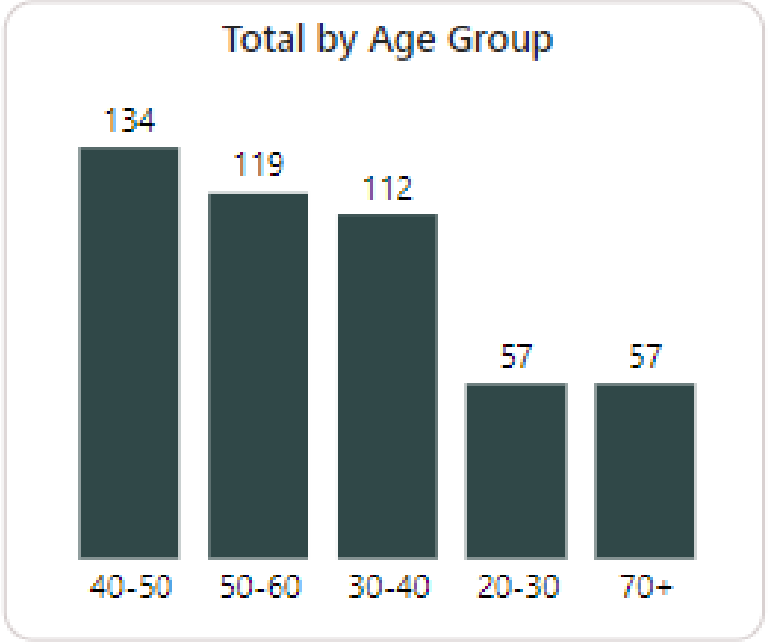
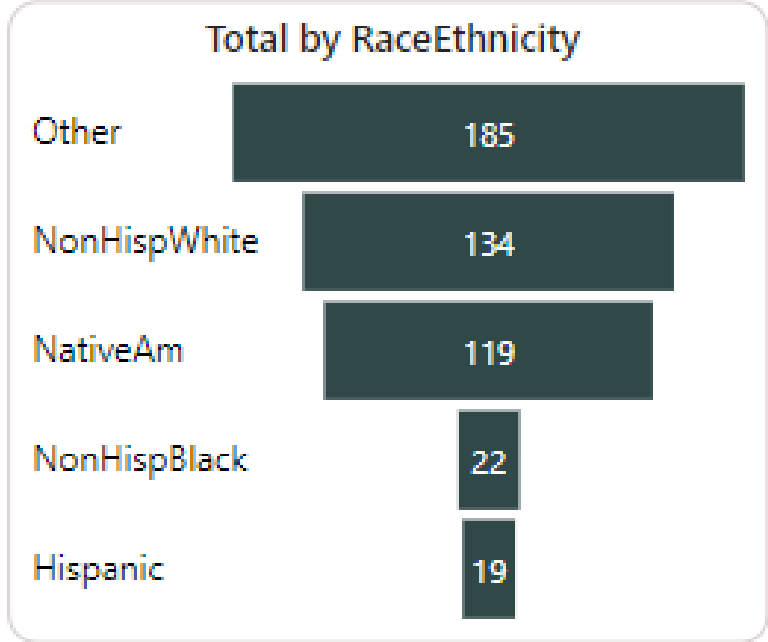
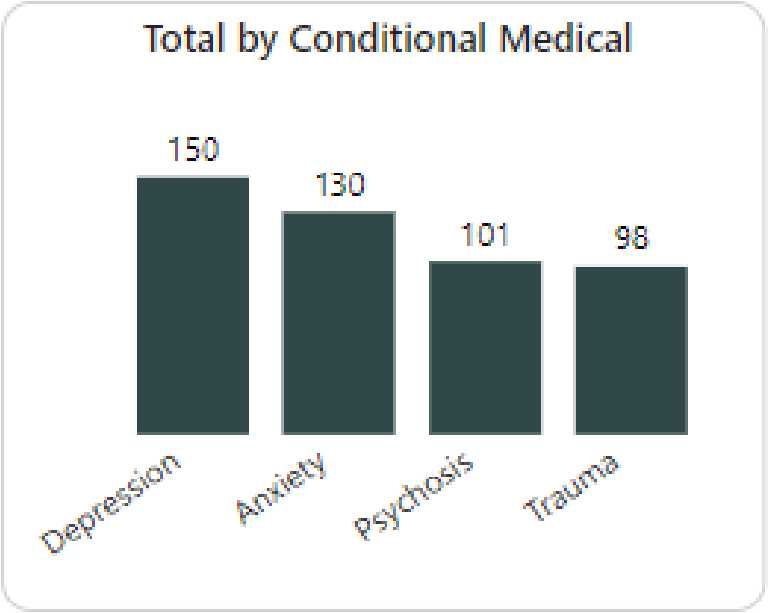
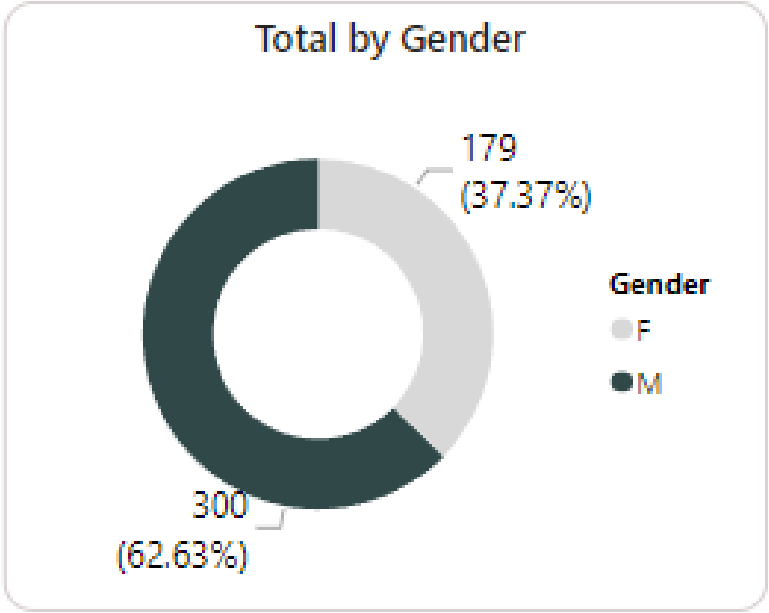
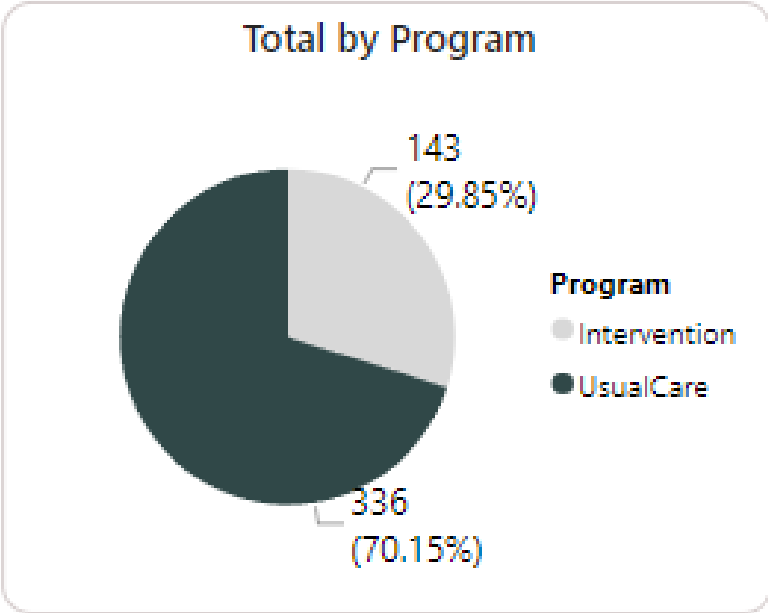

[Click here to follow link](#) 

Differents Metrics

General 

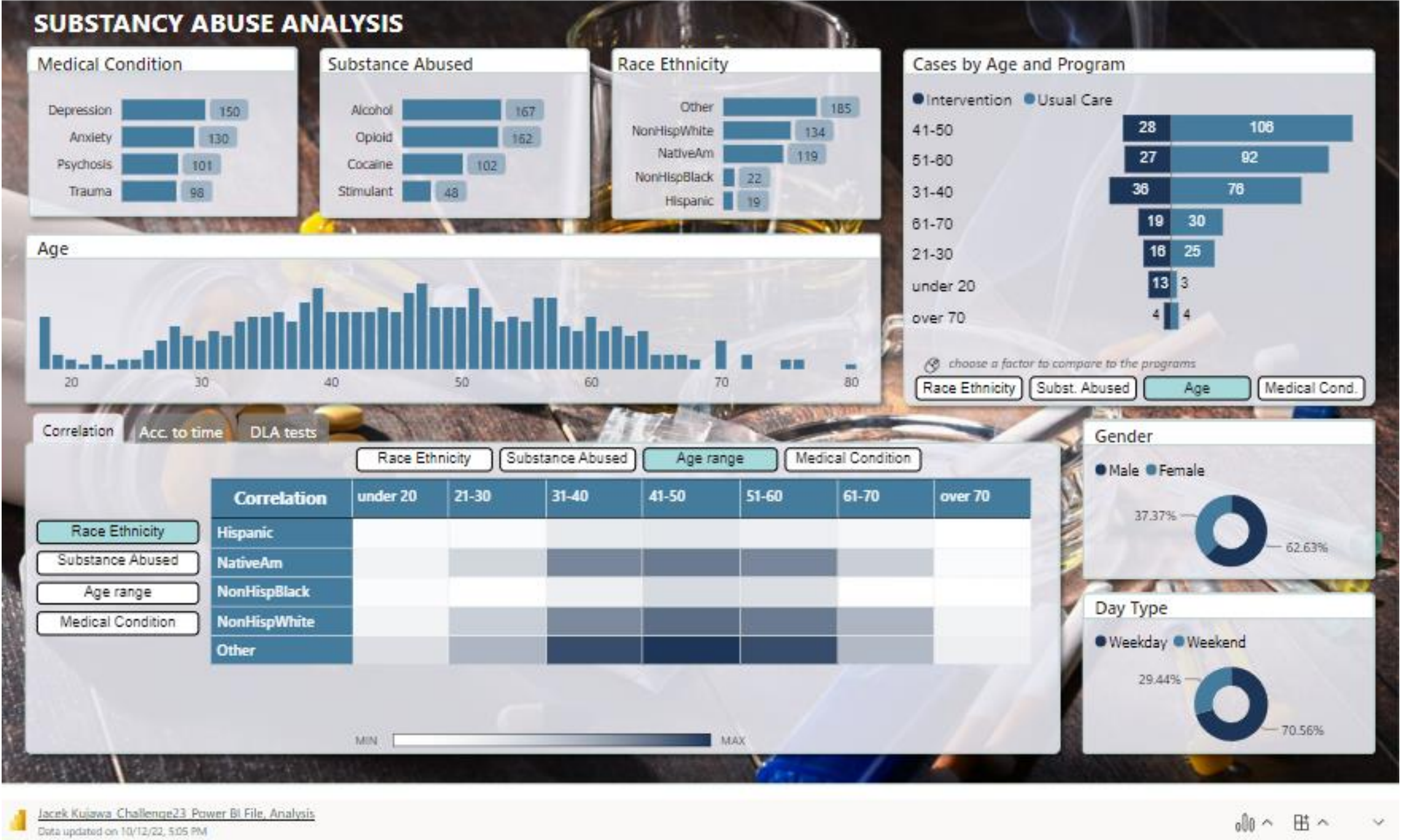
DLA1 

DLA2 



Jacek Kuwaja

“This is for Challenge 23 “Health-Substance Abuse Data Analysis” of Enterprise DNA Challenge. Thank you for the opportunity, I hope you like it.”



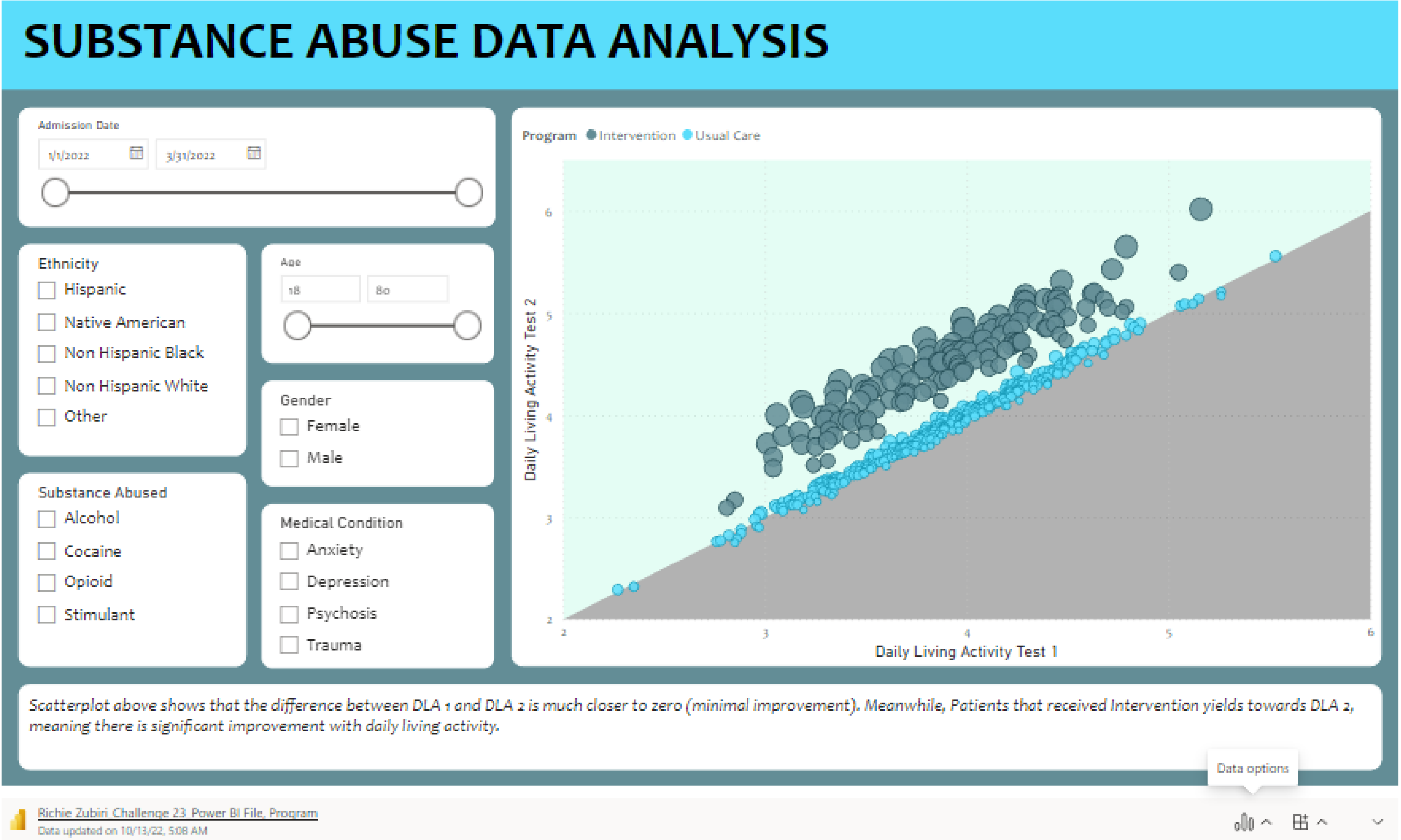
Mustafa O Hassan

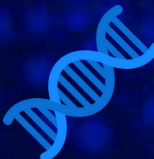
“This is for Challenge 23
 “Health-Substance Abuse
 Data Analysis” of Enterprise
 DNA Challenge. Thank you
 for the opportunity, I hope
 you like it.”



Richie Zubiri

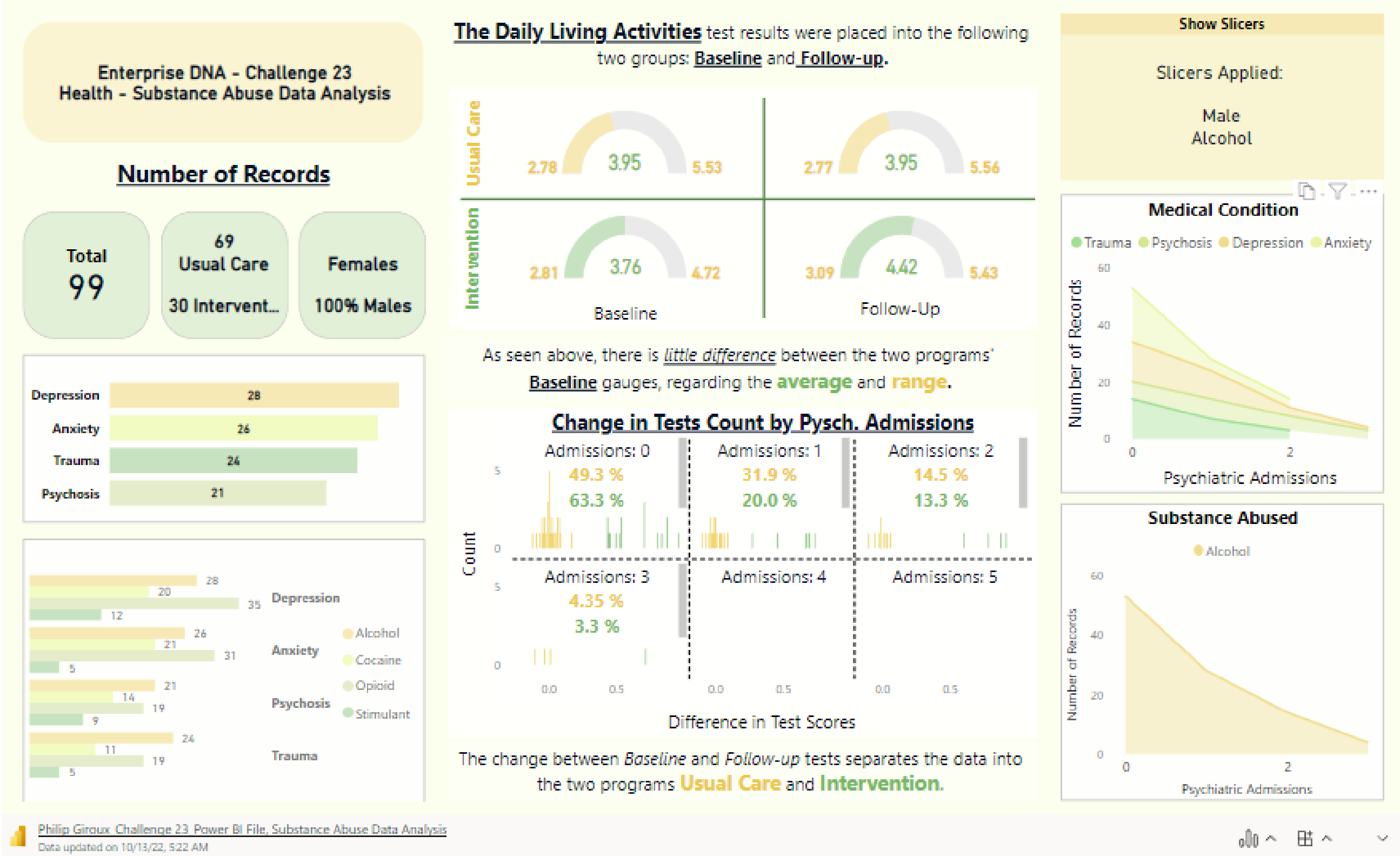
“This is for Challenge 23 “Health-Substance Abuse Data Analysis” of Enterprise DNA Challenge. Thank you for the challenge. Very interesting dataset, I hope you like it.”





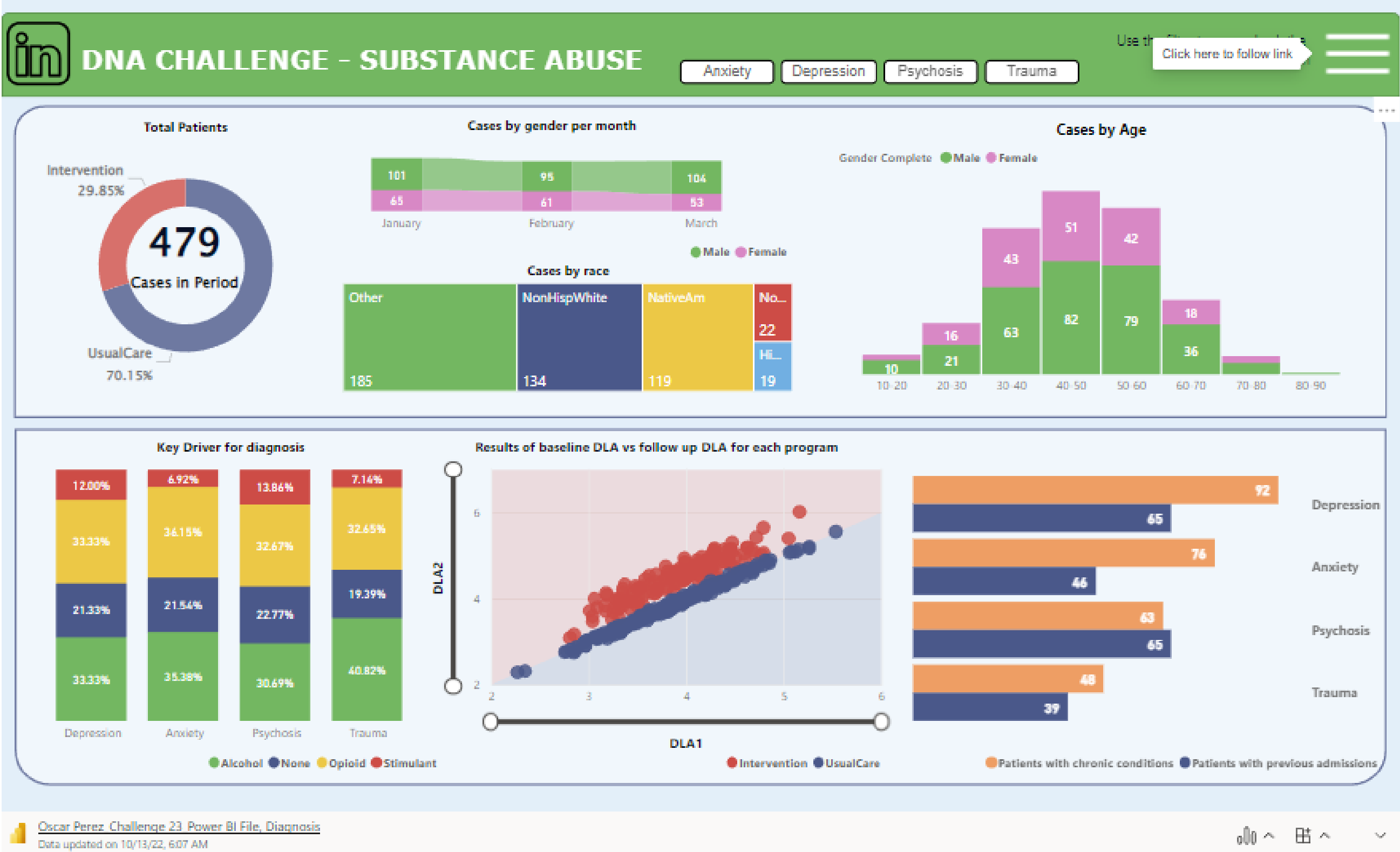
Philip Giroux

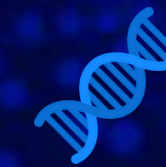
“This is for Challenge 23 “Health-Substance Abuse Data Analysis” of Enterprise DNA Challenge. The analysis approach taken was to see if there were any correlation between psychiatric admissions and test scores, or medical condition, or substance abused.”



Oscar Perez

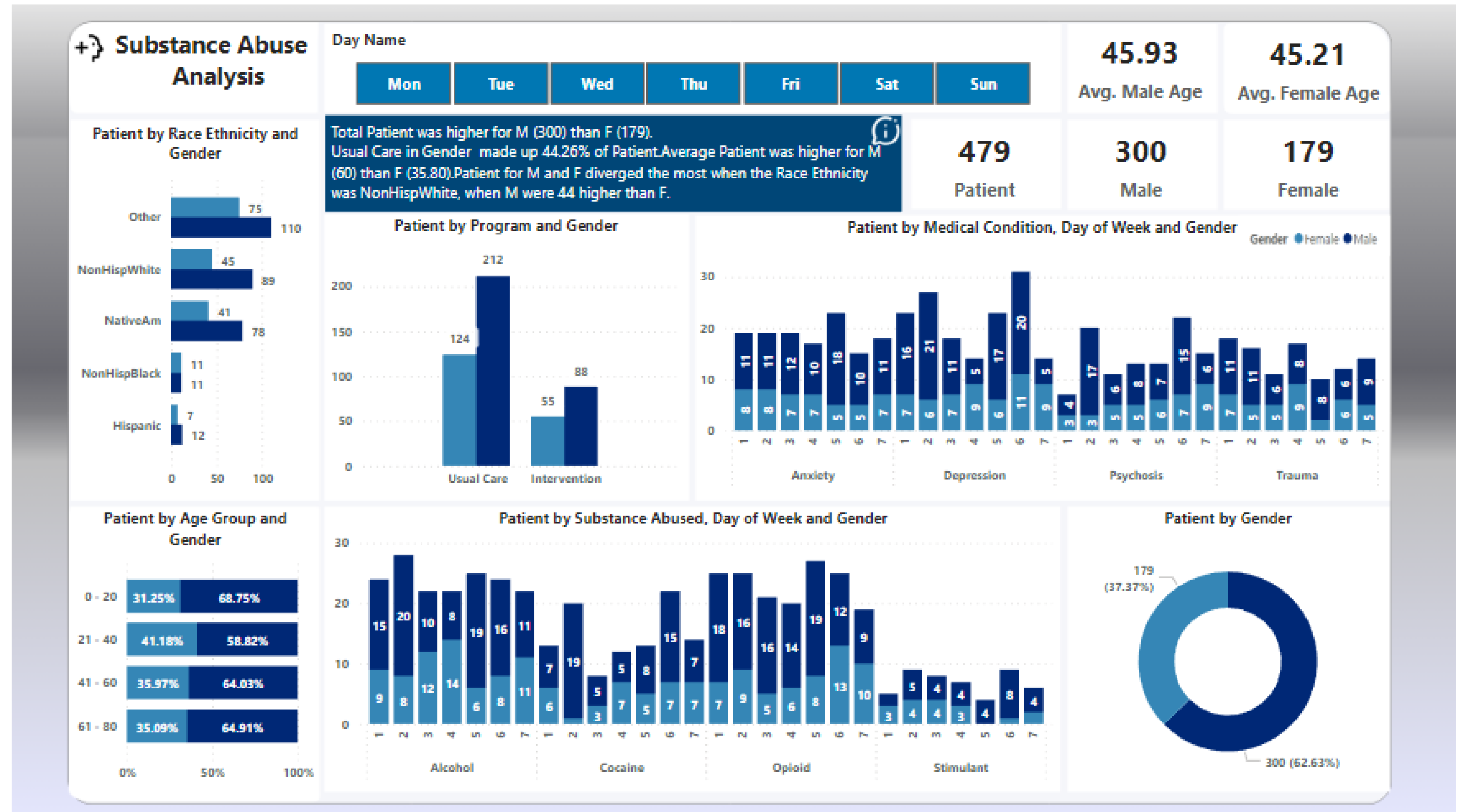
“This is for Challenge 23 “Health-Substance Abuse Data Analysis” of Enterprise DNA Challenge .This is my first entry in an EDNA Challenge, I really liked the dataset. I hope you like it.”





Muhammd U Shahid

“This is for Challenge 23
“Health-Substance Abuse
Data Analysis” of Enterprise
DNA Challenge . I really
enjoyed working with this
dataset. I hope you like it.”

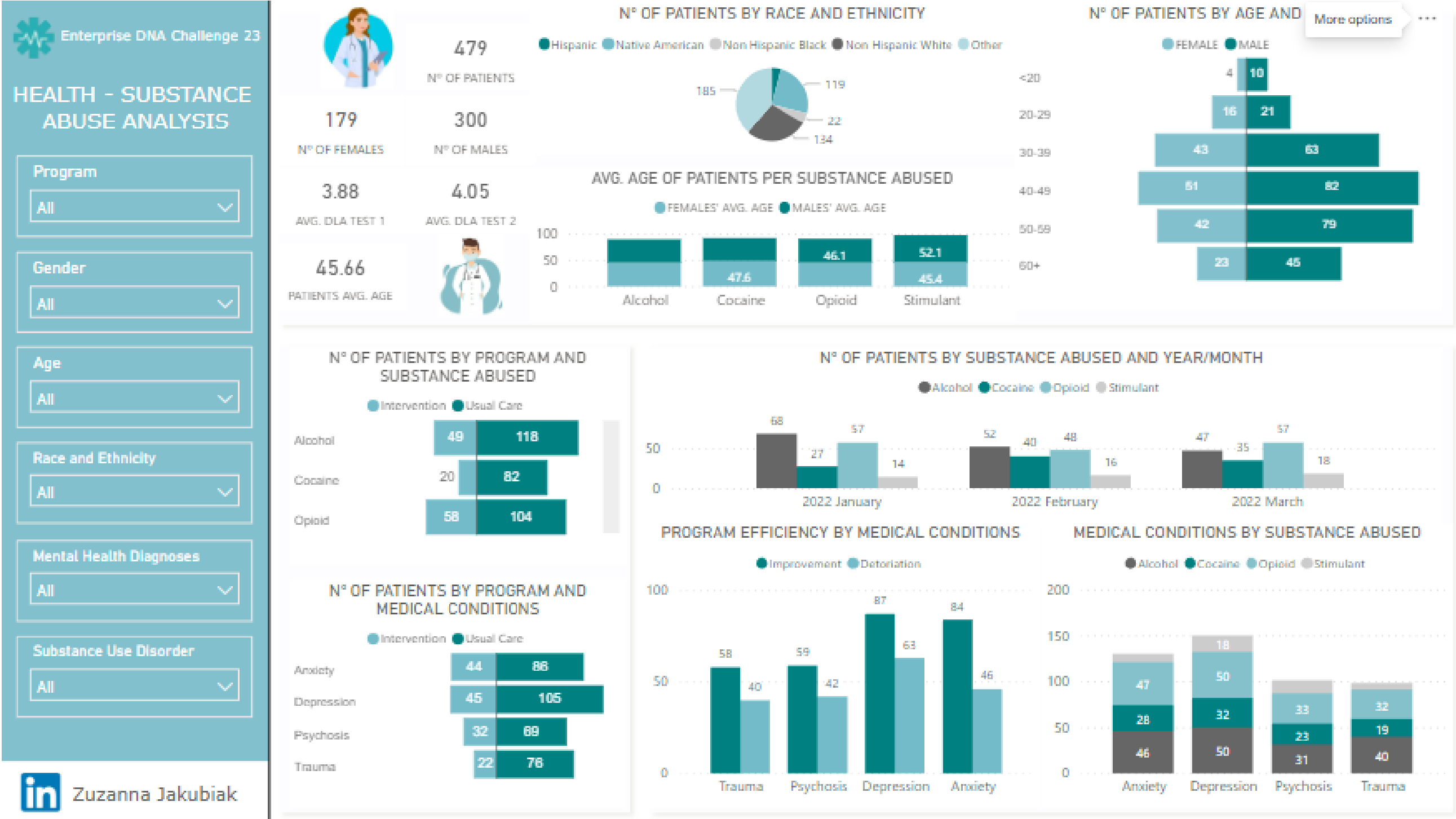


Health – Substance Abuse



Zuzanna Jakubiak

“This is for Challenge 23 “Health-Substance Abuse Data Analysis” of Enterprise DNA Challenge. This is my first time participating . I really enjoyed working with this dataset. I hope you like it.”



Bilal Raza

“This is my first time participating . I really enjoyed working with this dataset. I hope you like it.”

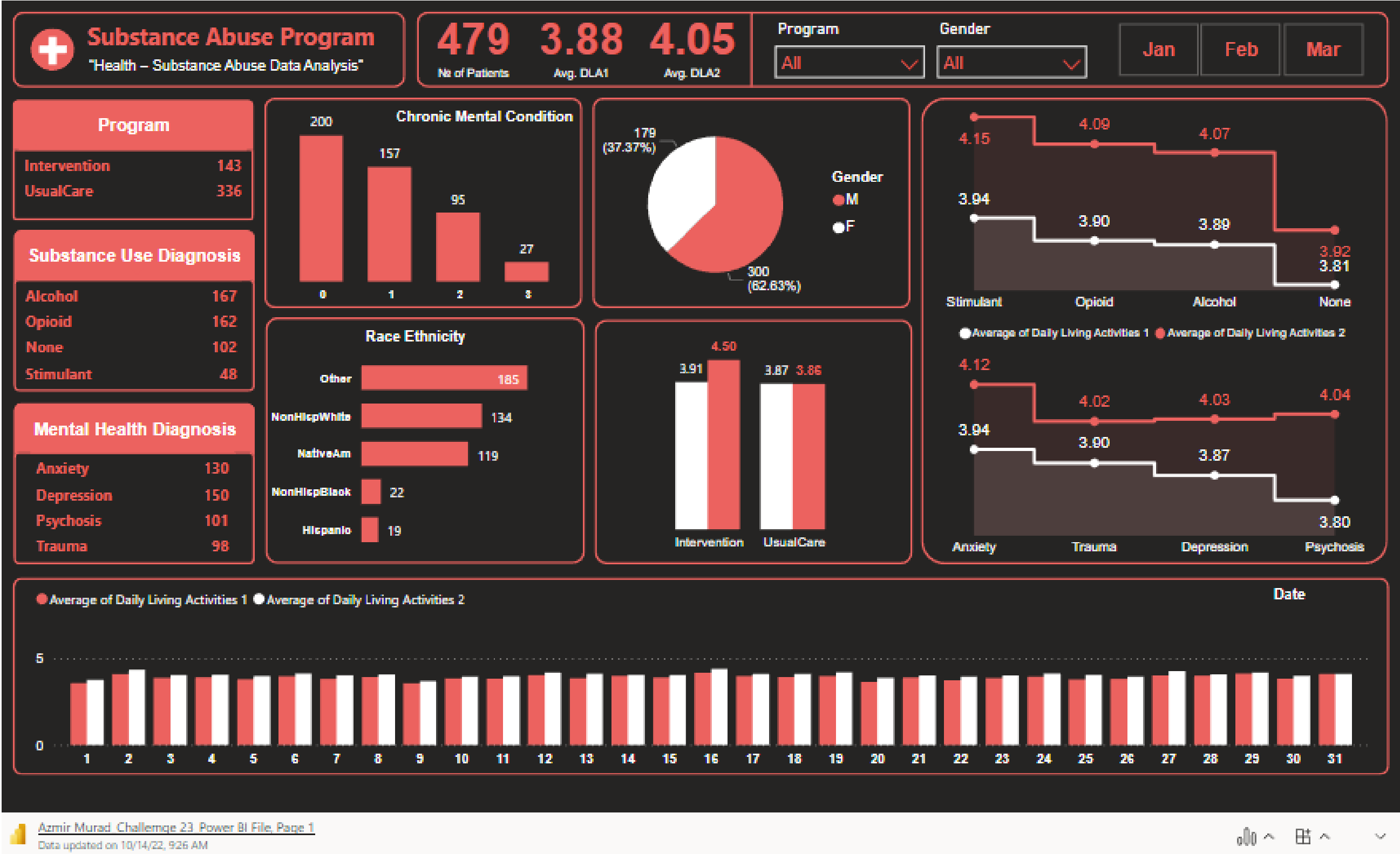


Enterprise DNA - Challenge 23 - Submission by Muhammad Bilal Raza

Azmir

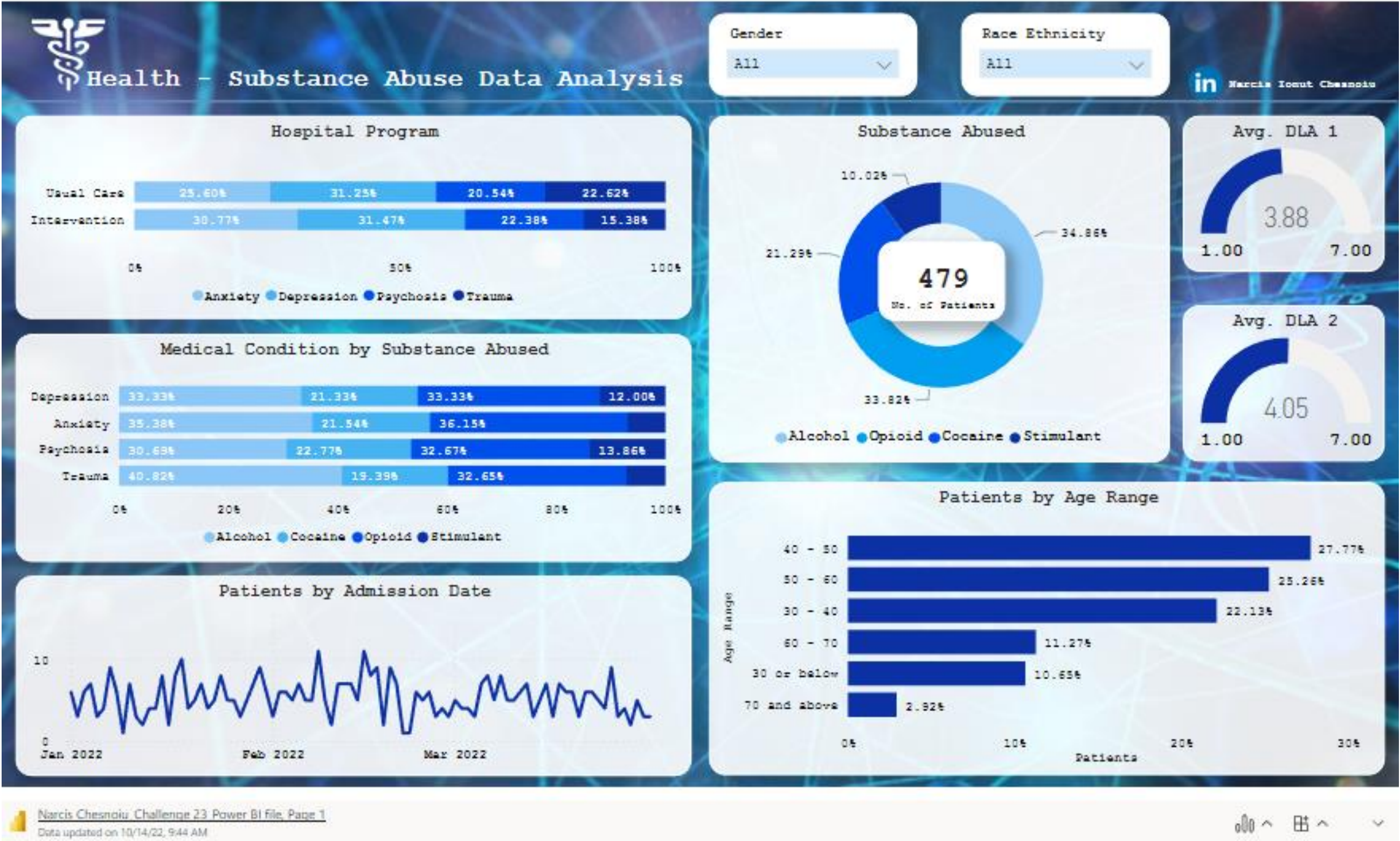
Murad

“This is my first time participating . I really enjoyed working with this dataset. I hope you like it.”



Narcis Chesniu

“This is my first time participating . I really enjoyed working with this dataset. I hope you like it.”

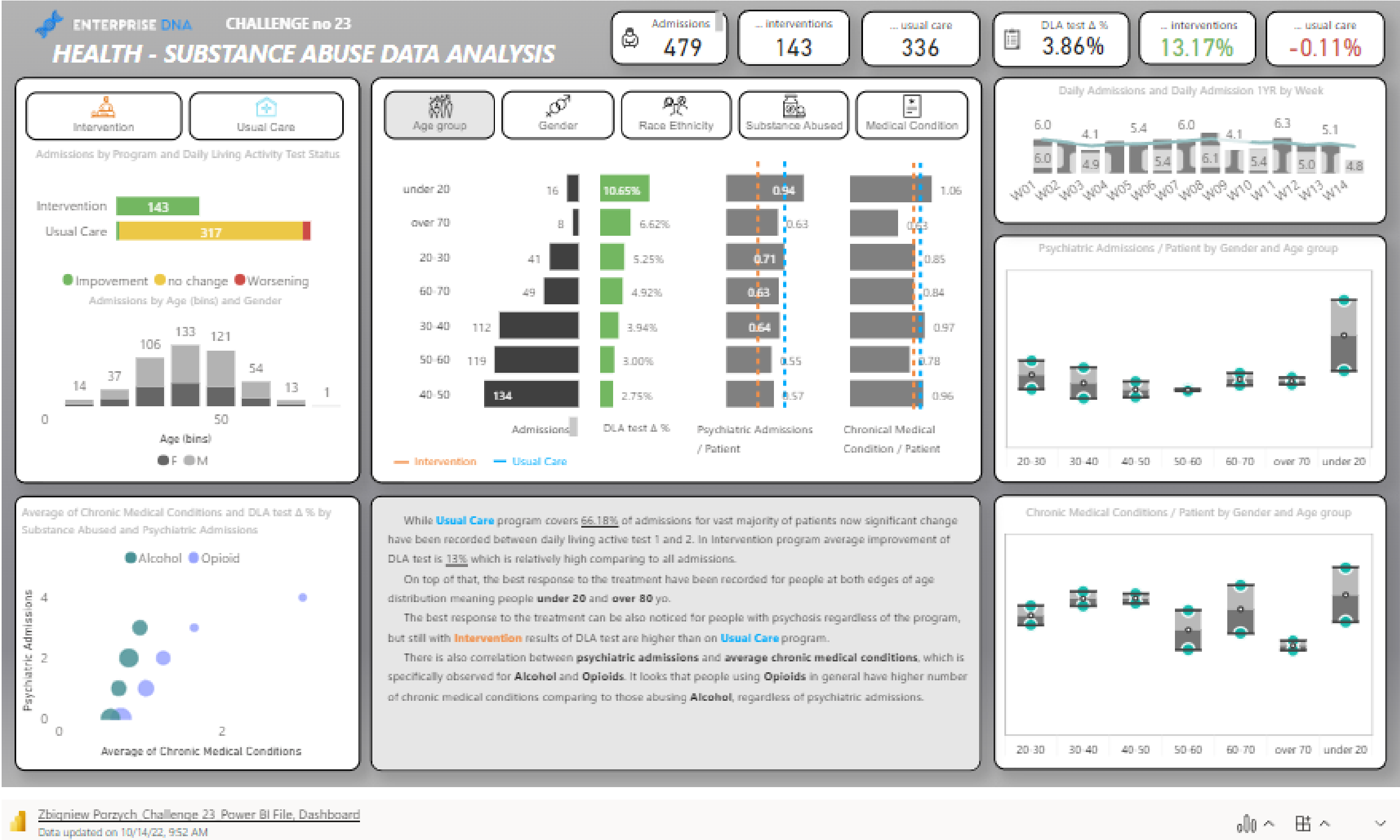


Health – Substance Abuse



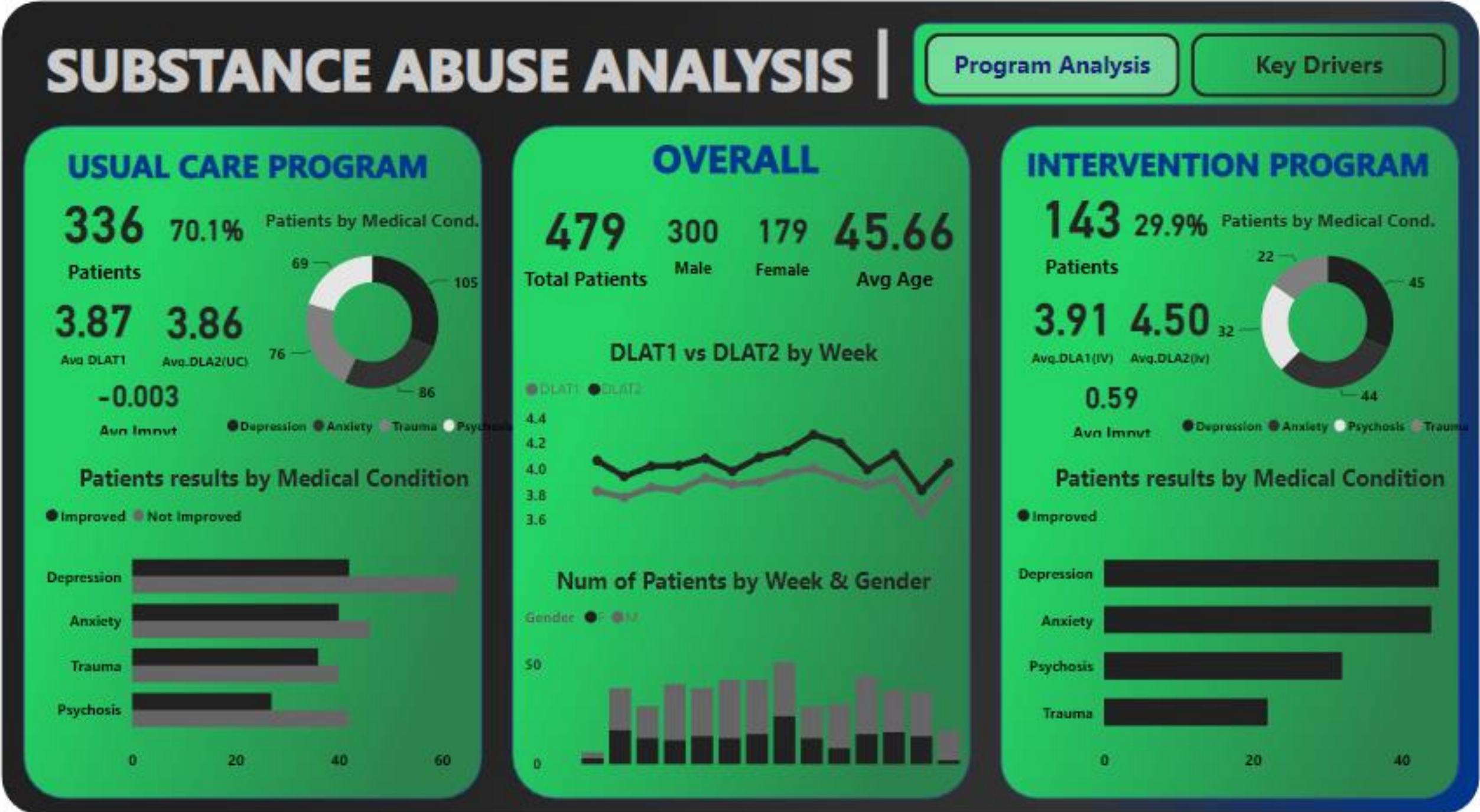
Zbigniew Porzych

“This is my first time participating . I really enjoyed working with this dataset. I must admit it wasn't easy to analyse it, especially for a person without any medical background. But this is what usually data analysts need to deal with, every day. I hope you like it.”



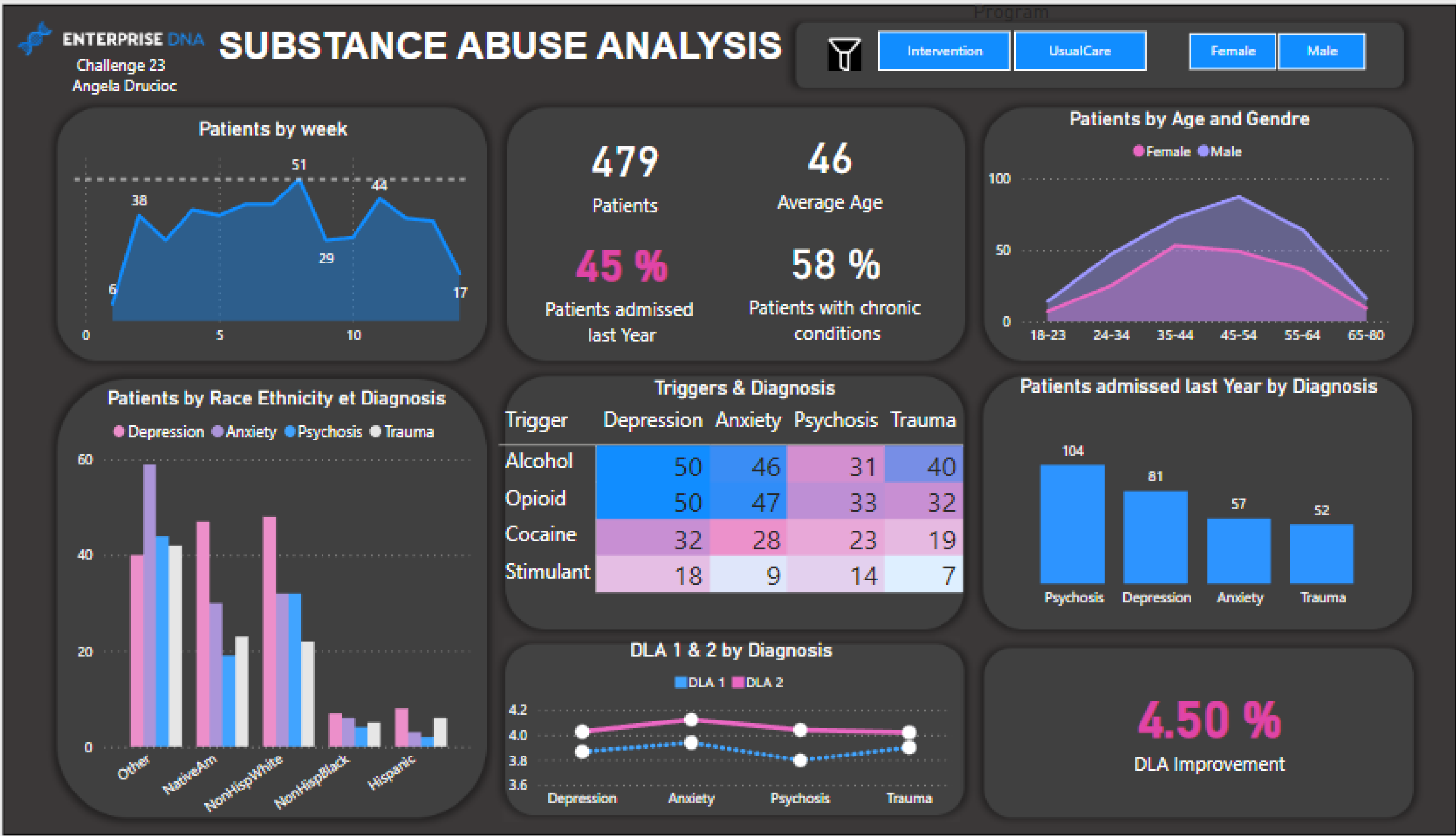
Shubham Patil

“This is my first time participating . I really enjoyed working with this dataset. I hope you like it, and I would appreciate any remark or correction.”



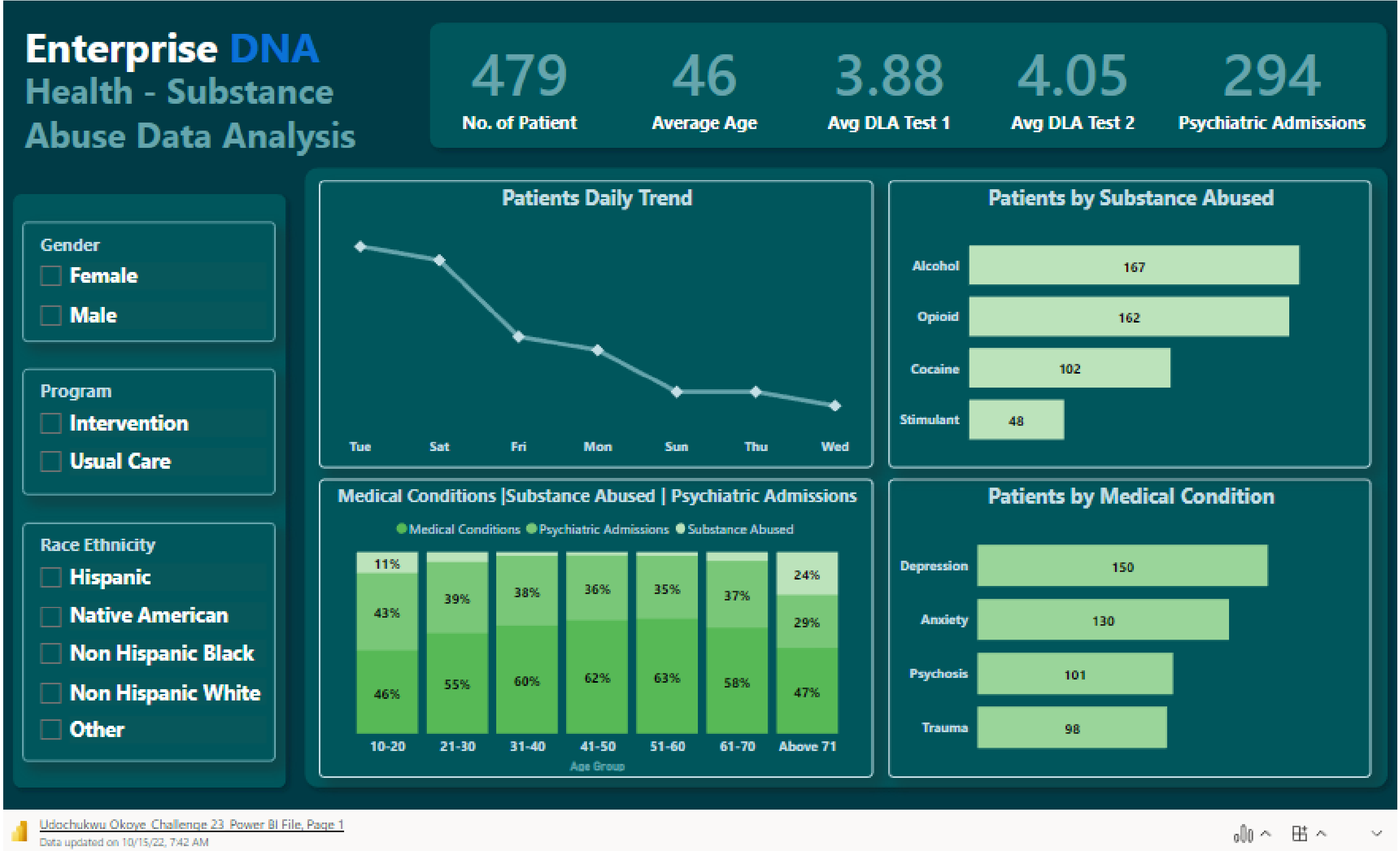
Angela Drucioc

“This is one of my first's experiences in Power BI and the first challenge as well. Some weeks ago, I was looking for inspirations and I found some amazing dashboards by Enterprise DNA. This is how I found this challenge. I hope you like it.”



Udochukwu Okoye

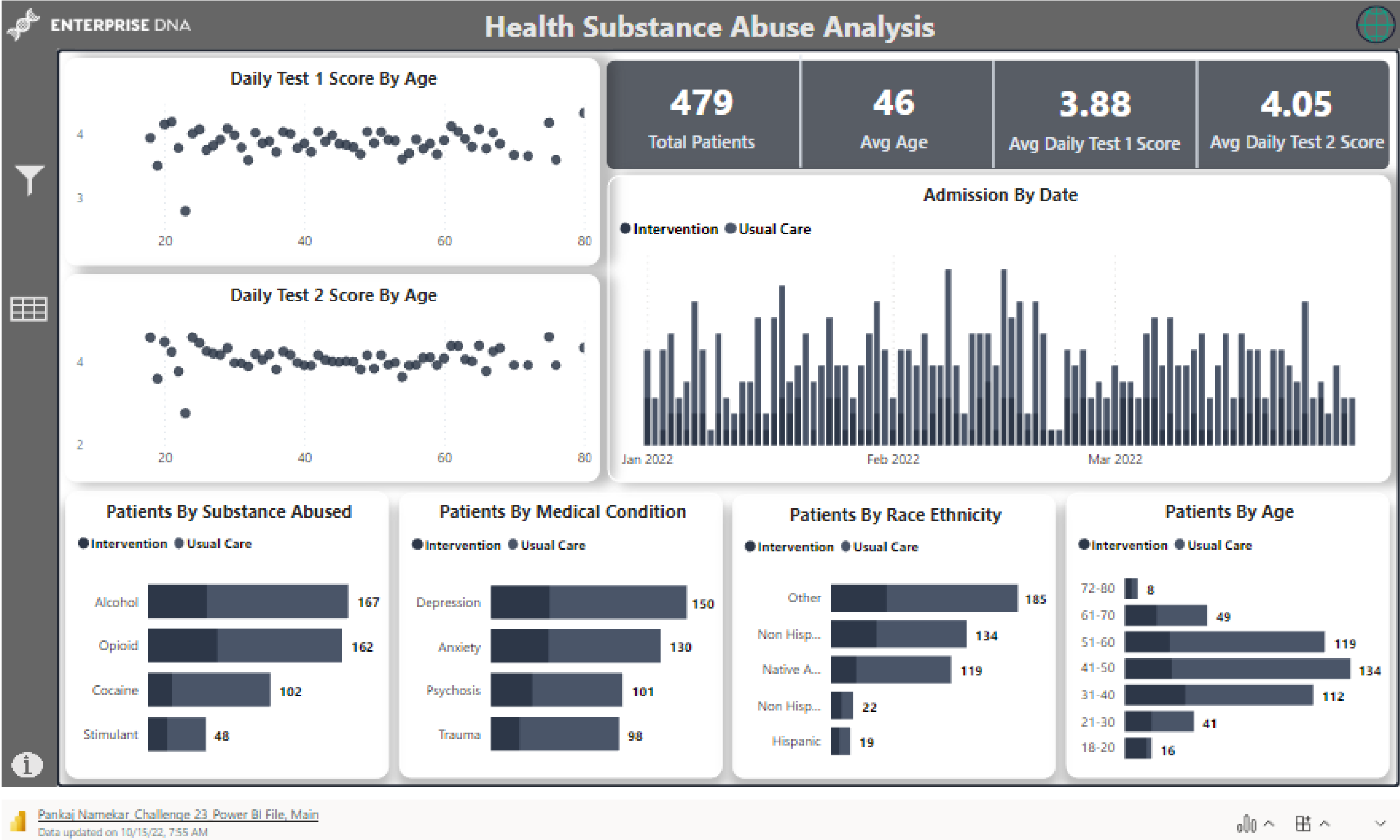
“This is one of my first's experiences in Power BI and the first challenge as well. I found the dataset very intriguing. I hope you like it.”





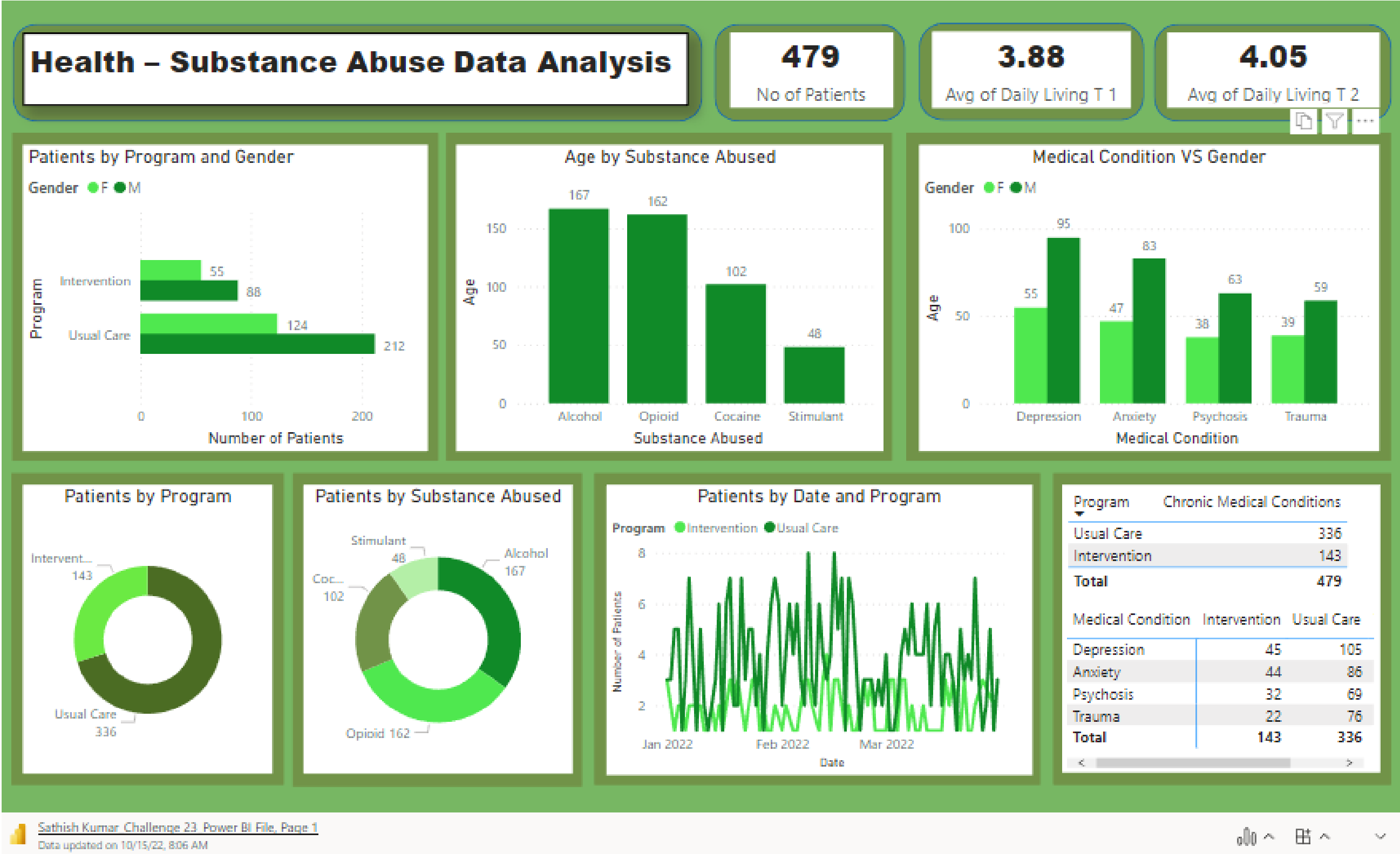
Pankaj Namekar

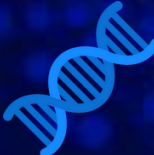
“This is my entry for Enterprise DNA Challenge 23. I found the dataset very interesting. I hope you like it.”



Sathish Kumar

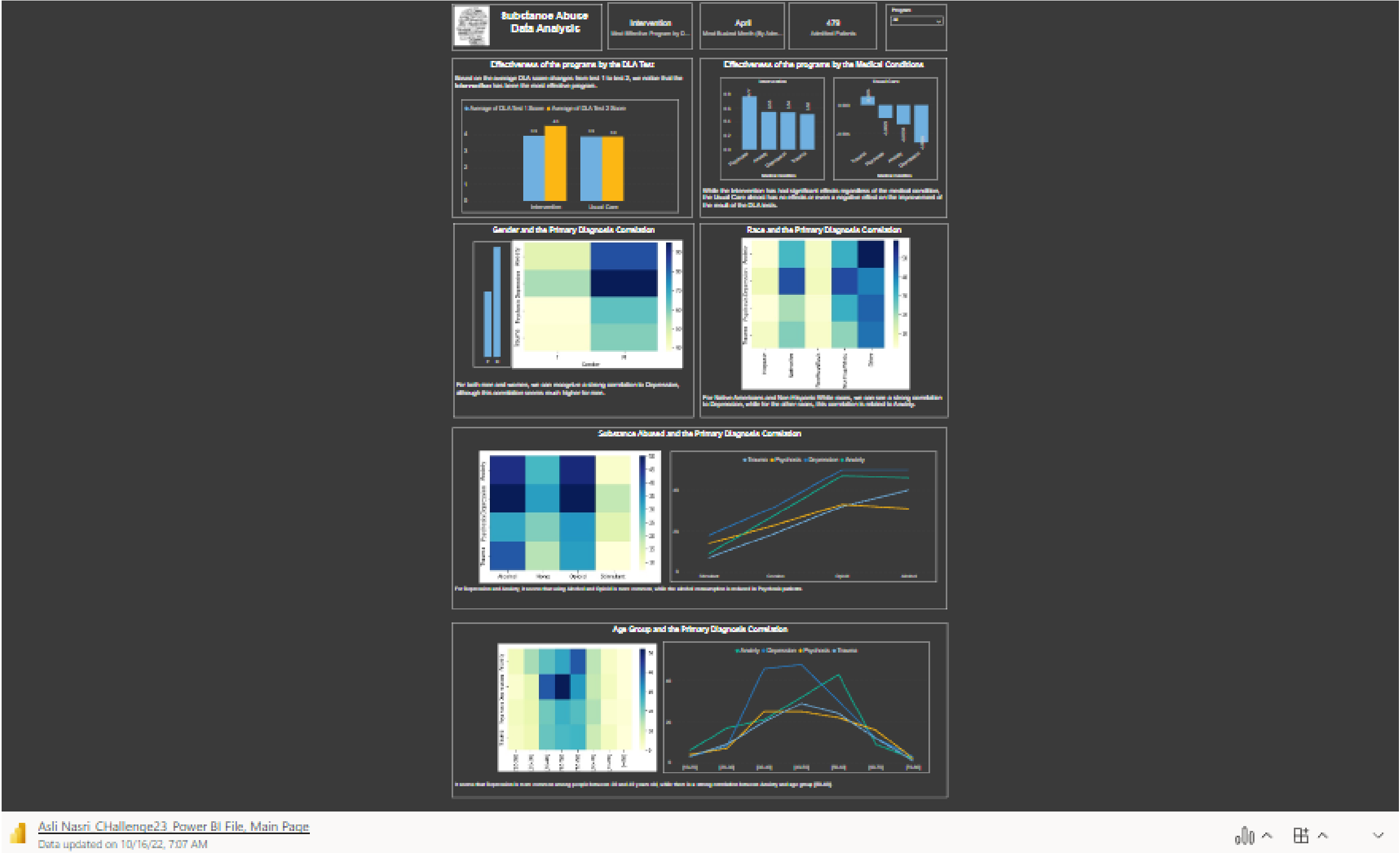
“This is my entry for Enterprise DNA Challenge 23. I found the dataset very interesting and liked to work on it. Please provide me with feedback if you wish. I hope you like it.”





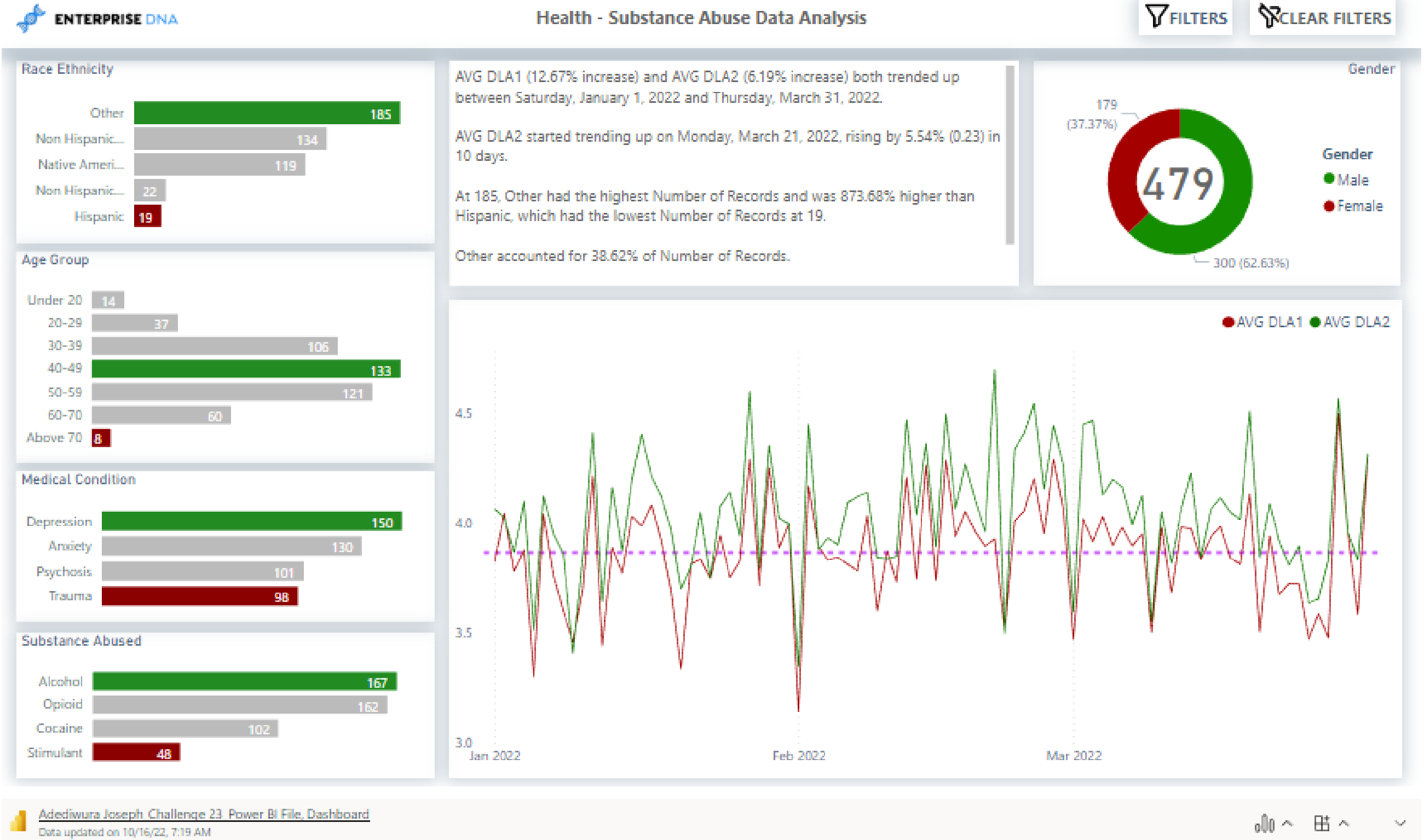
Asli Nasri

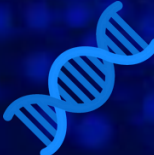
“This is my first entry for an Enterprise DNA Challenge. I found the dataset very interesting and liked to work on it. I hope you like it.”



Adediwura Adelabu

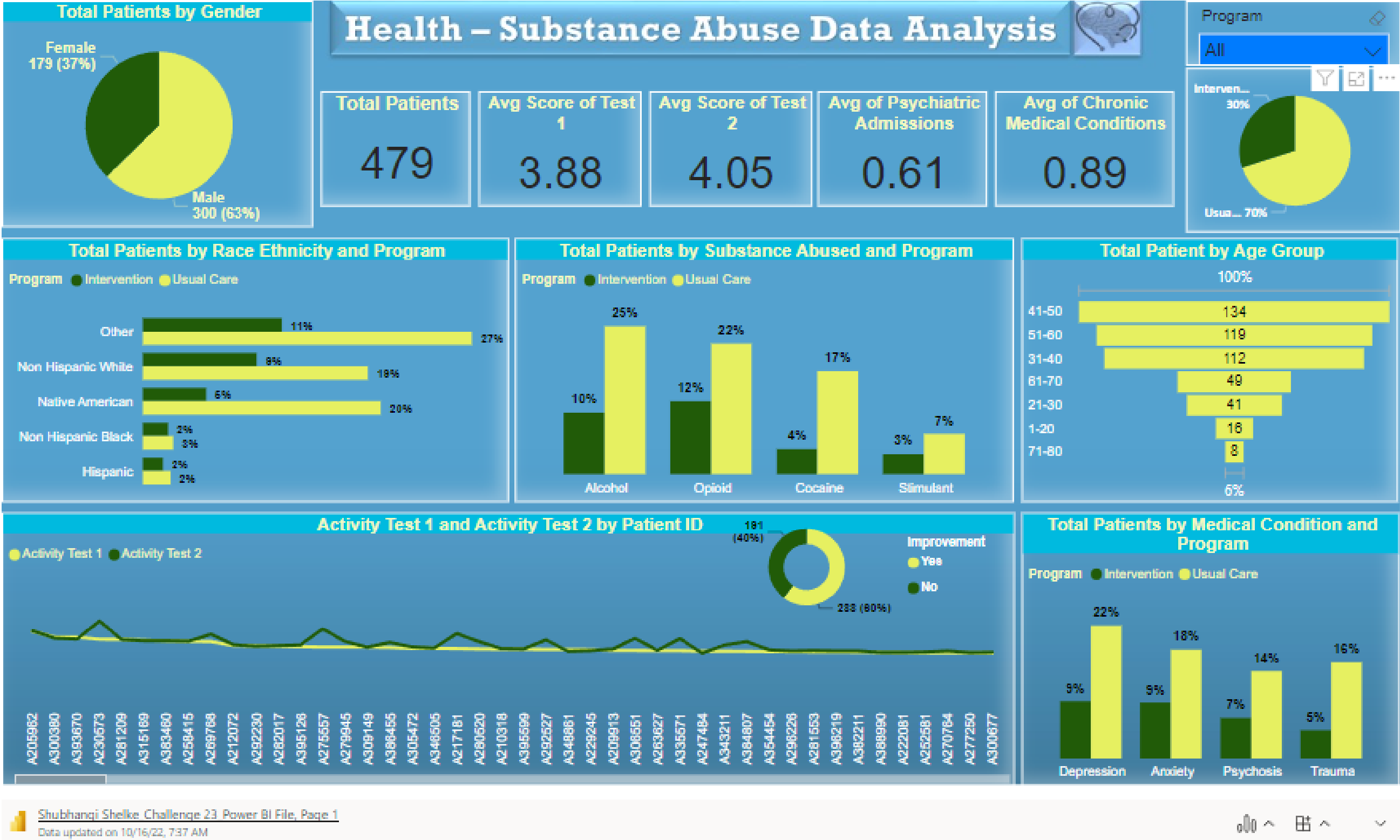
“This is my first entry for an Enterprise DNA Challenge. I found the dataset very interesting. I hope you like it.”

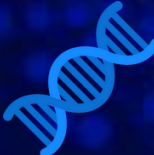




Shubhangi Shelke

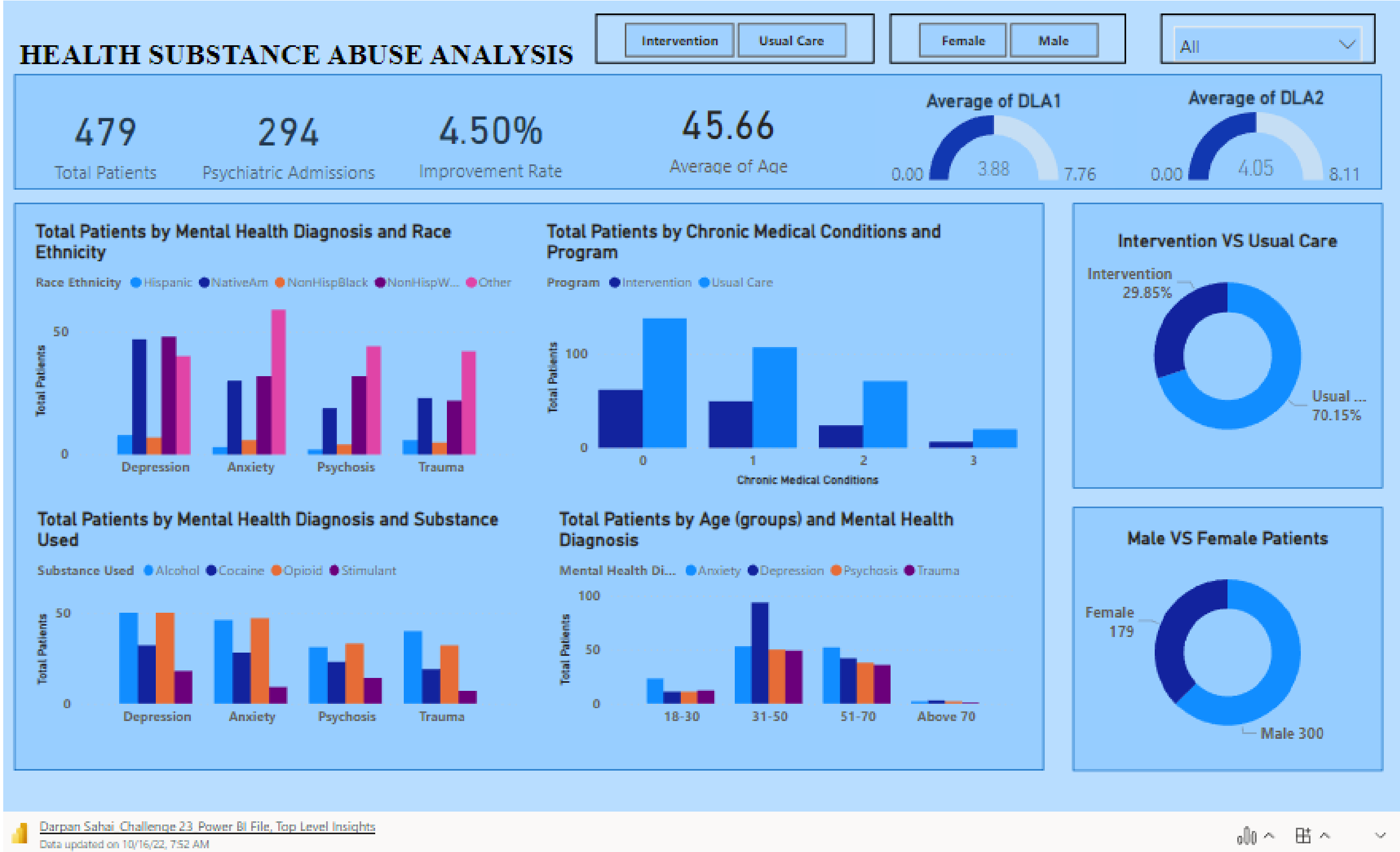
“This is my first entry for an Enterprise DNA Challenge. I found the dataset very interesting. I hope you like it.”





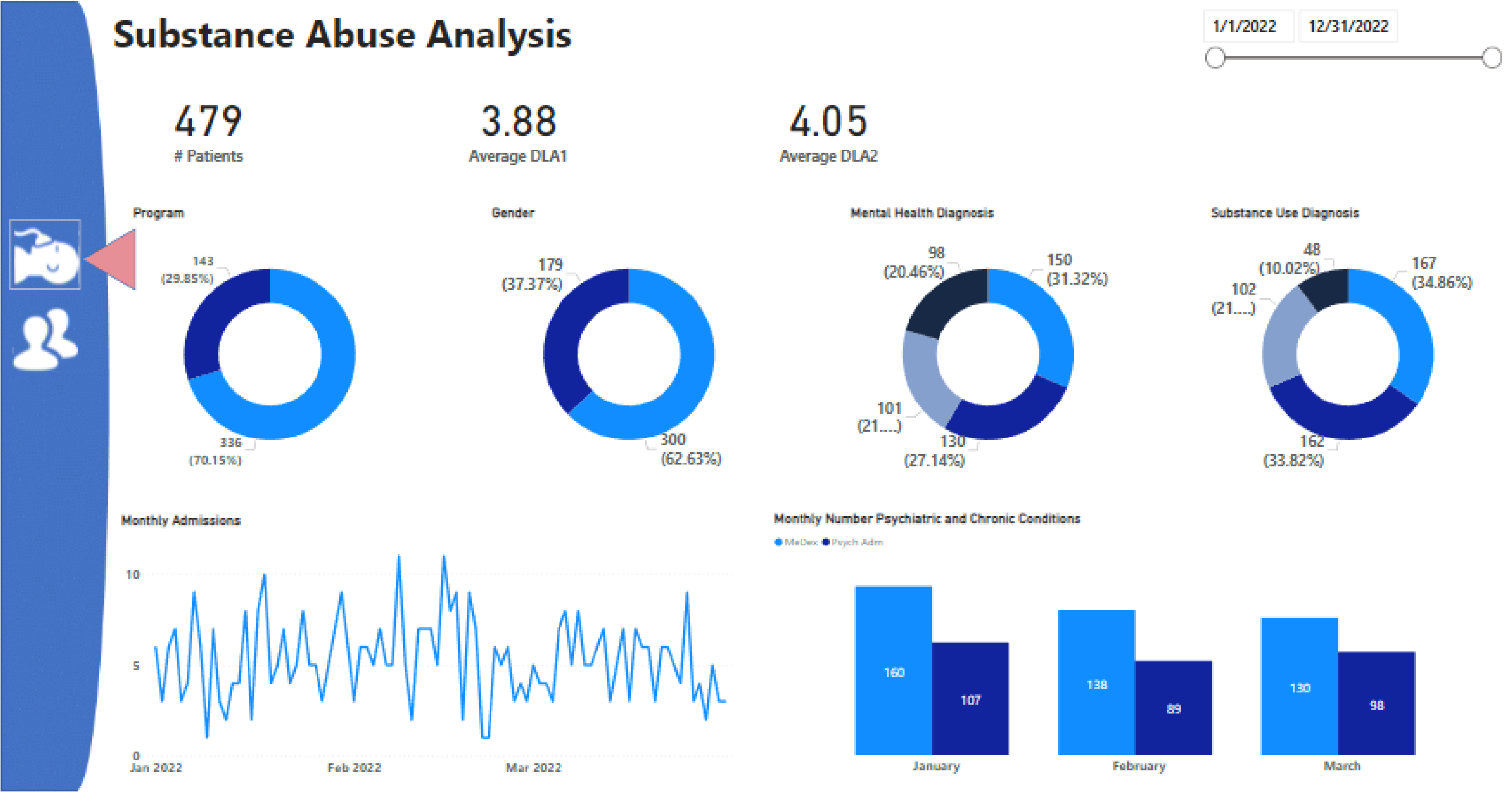
Darpan Sahai

“This is my first entry for an Enterprise DNA Challenge. I found the dataset very interesting. I liked it a lot, I hope you like it.”

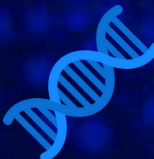


Ezekiel Sunday

“This is my first entry for an Enterprise DNA Challenge. I planned to present a simple 2-page report that can be access within the same pane by using the two icons on the left side of the page and show some key insights from the given dataset.”



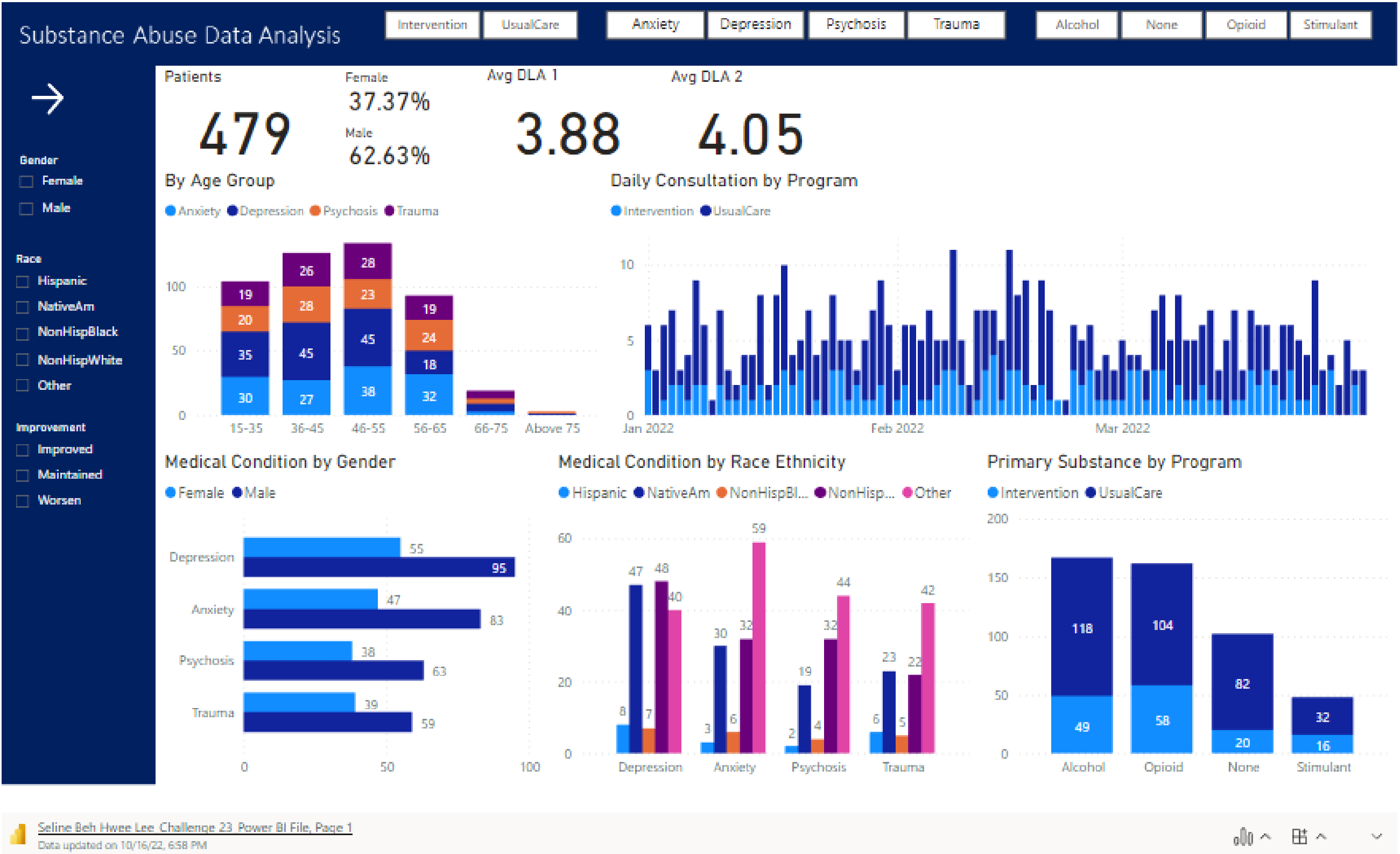
Health – Substance Abuse



ENTERPRISE DNA

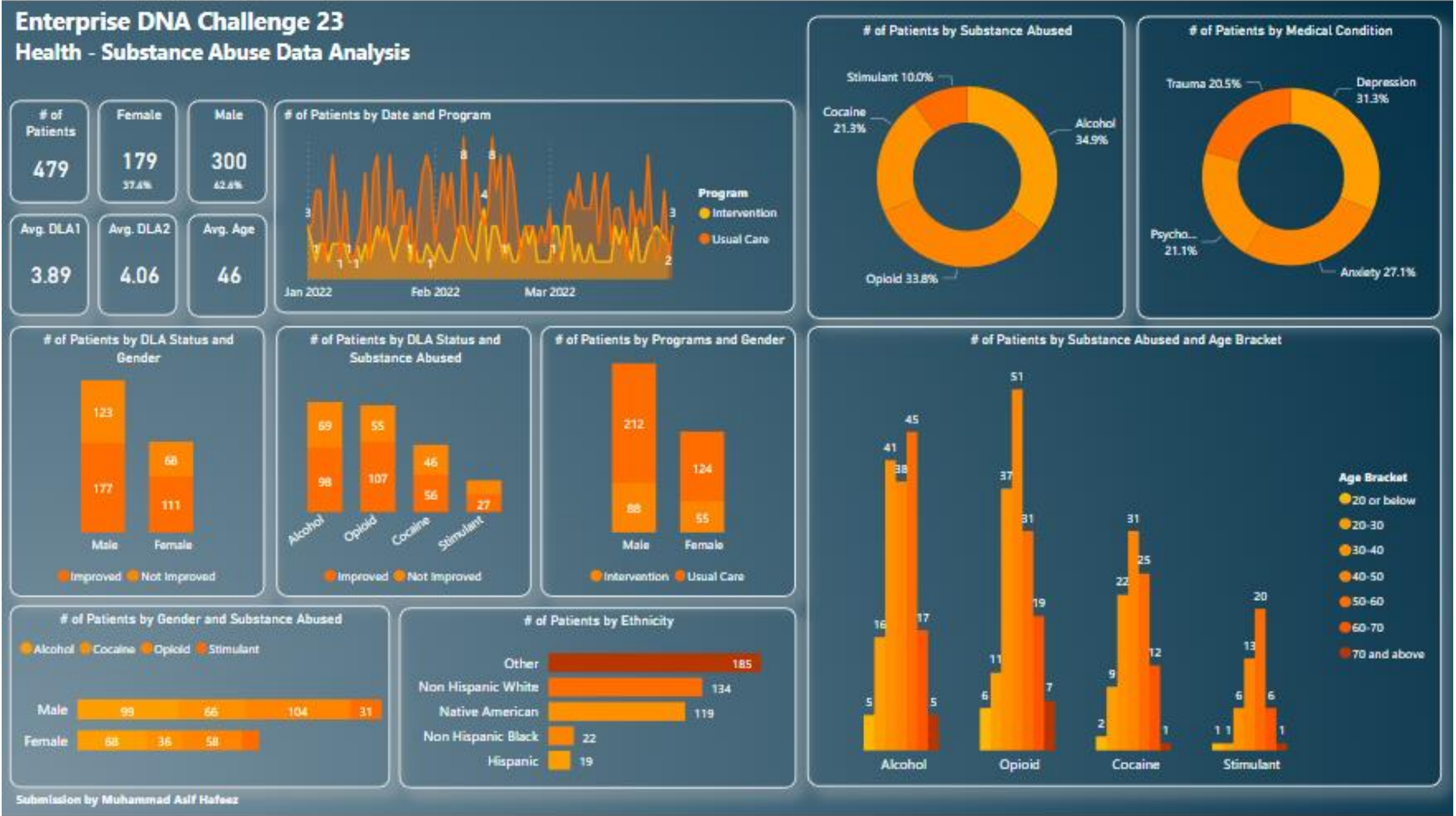
Seline Beh Hwee Lee

“This is my entry for the Enterprise DNA Challenge, Challenge 23. I hope you like it.”



Muhammad Asif

“This is my entry for the Enterprise DNA Challenge, Challenge 23. I hope you like it.”



Phil Banalage

“This is my entry for the Enterprise DNA Challenge, Challenge 23. It was a great experience and very intriguing dataset. I hope you like it.”



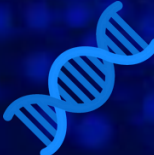


Sara

Nechar

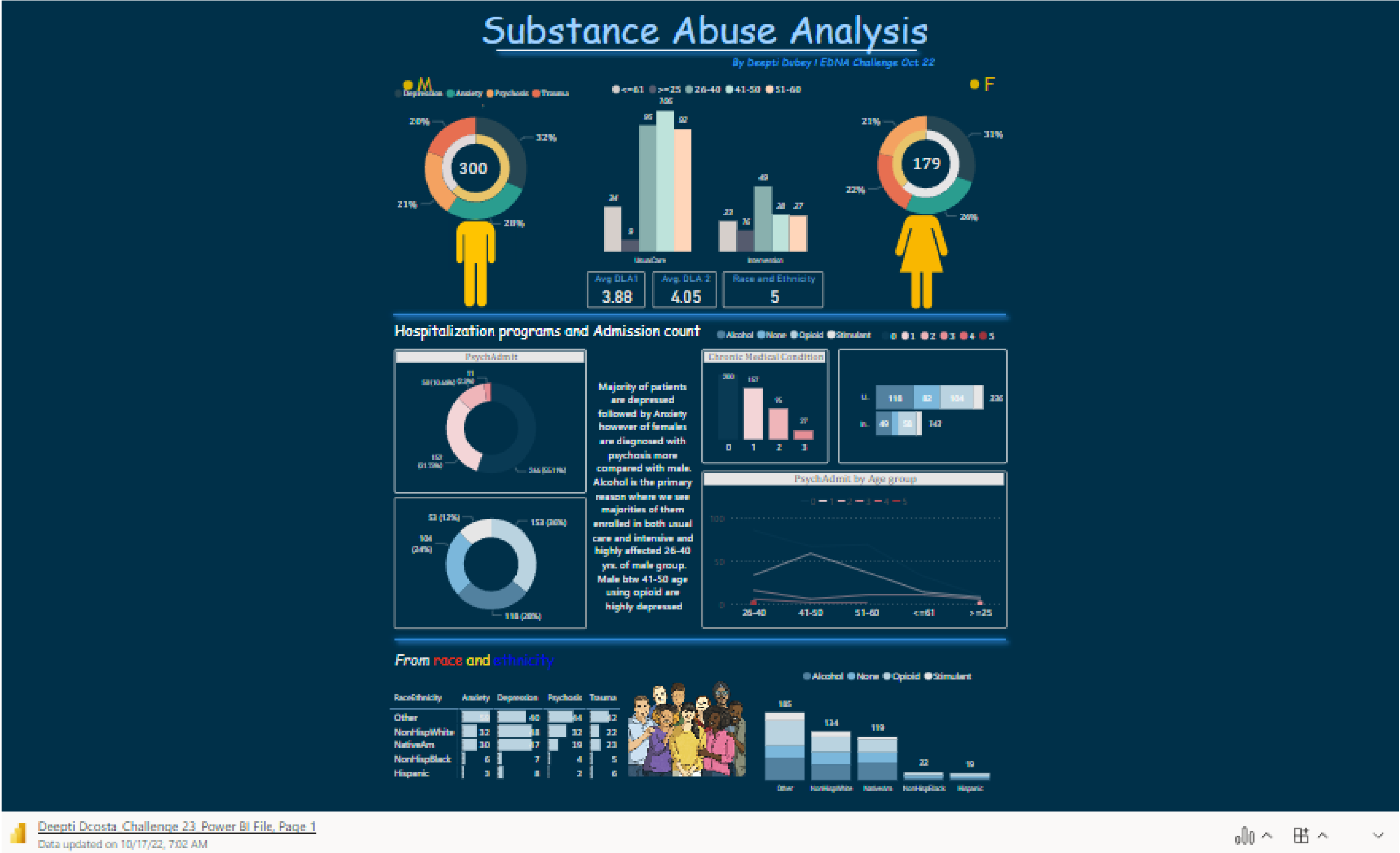
“This is my entry for the Enterprise DNA Challenge, Challenge 23. It was a great experience and very intriguing dataset. I hope you like it.”

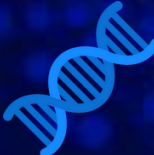




Deepti Dcosta

“This is my entry for the Enterprise DNA Challenge, Challenge 23. It is my first entry. Very interesting dataset. I hope you like it.”





Greg Philps

“This is my entry for the Enterprise DNA Challenge, Challenge 23. Goals: investigate and produce a 1-page Power BI report in light mode and dark mode, to use Deneb/Vega-Lite for all visuals, to minimize the “normal” Power BI work (data loading and transformations, data modelling, DAX calculations)

Substance Abuse



SUB-01 | V1.0 | 16 Oct 2022

Last Refresh: 16 Oct 2022

Greg Philps Challenge 23 Power BI File, Light
Data updated on 10/17/22, 7:16 AM

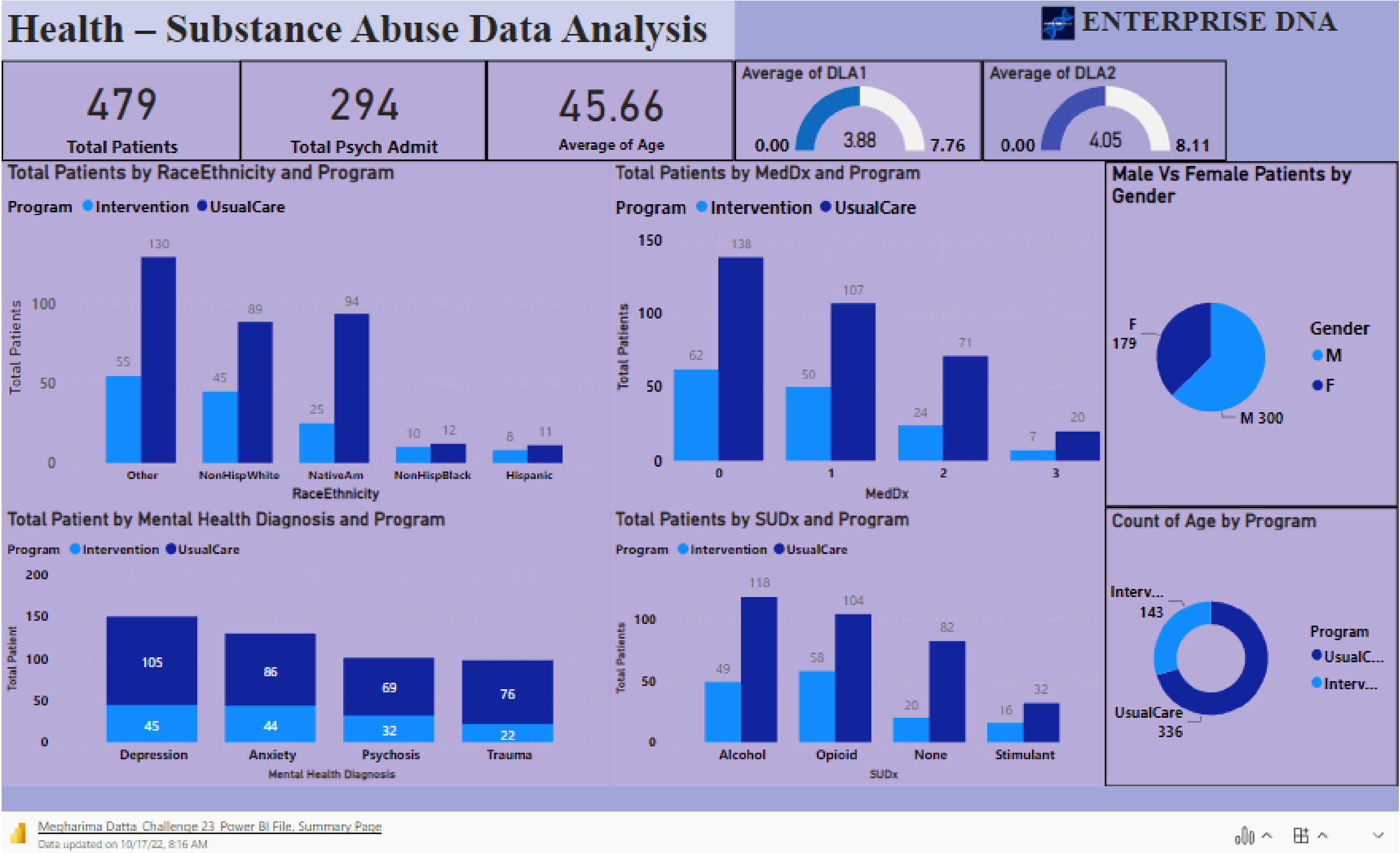


Health – Substance Abuse



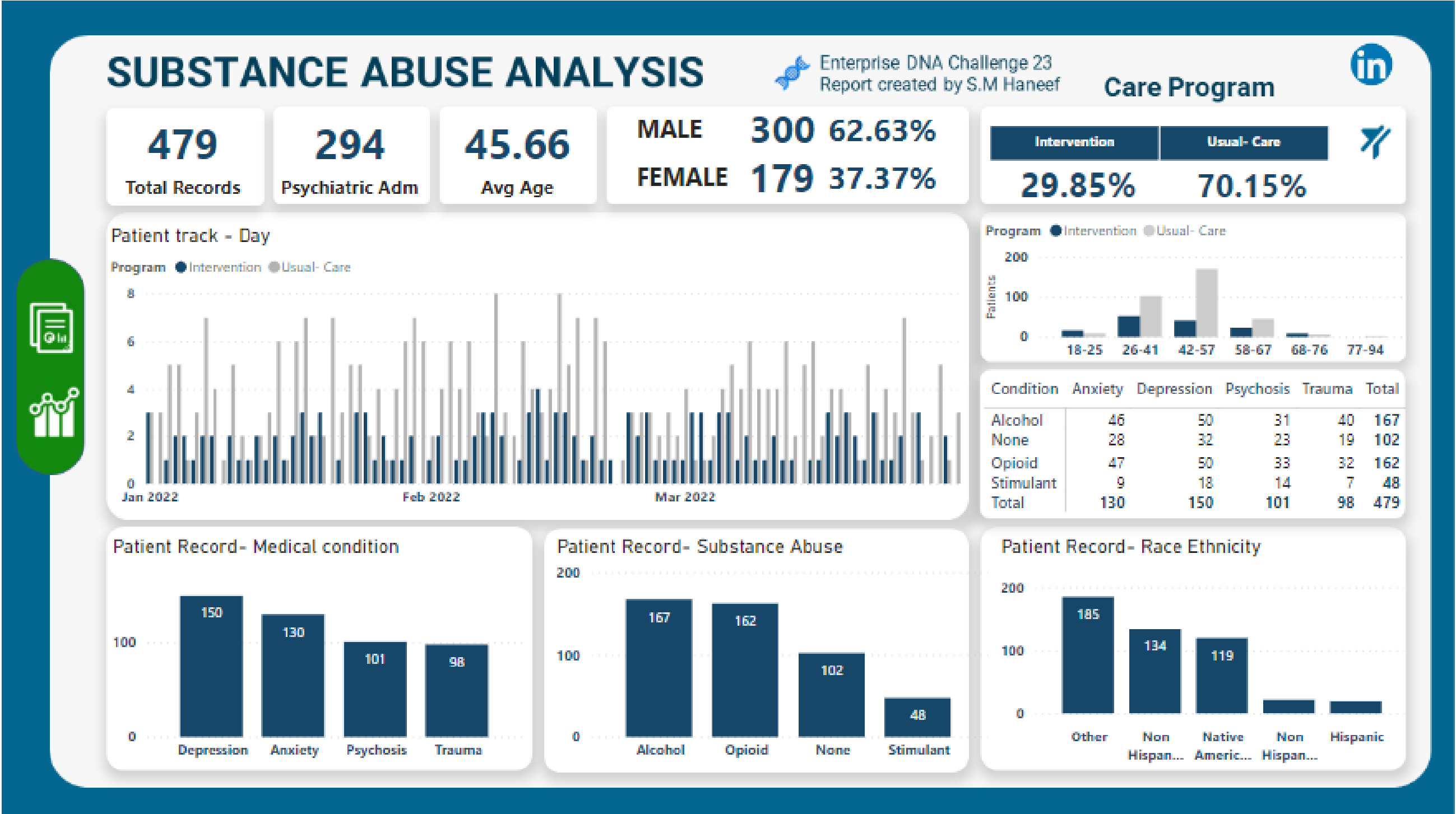
Megharima Datta

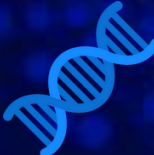
“This is my entry for the Enterprise DNA Challenge, Challenge 23. I hope you like it.”



Sheik M Hannef

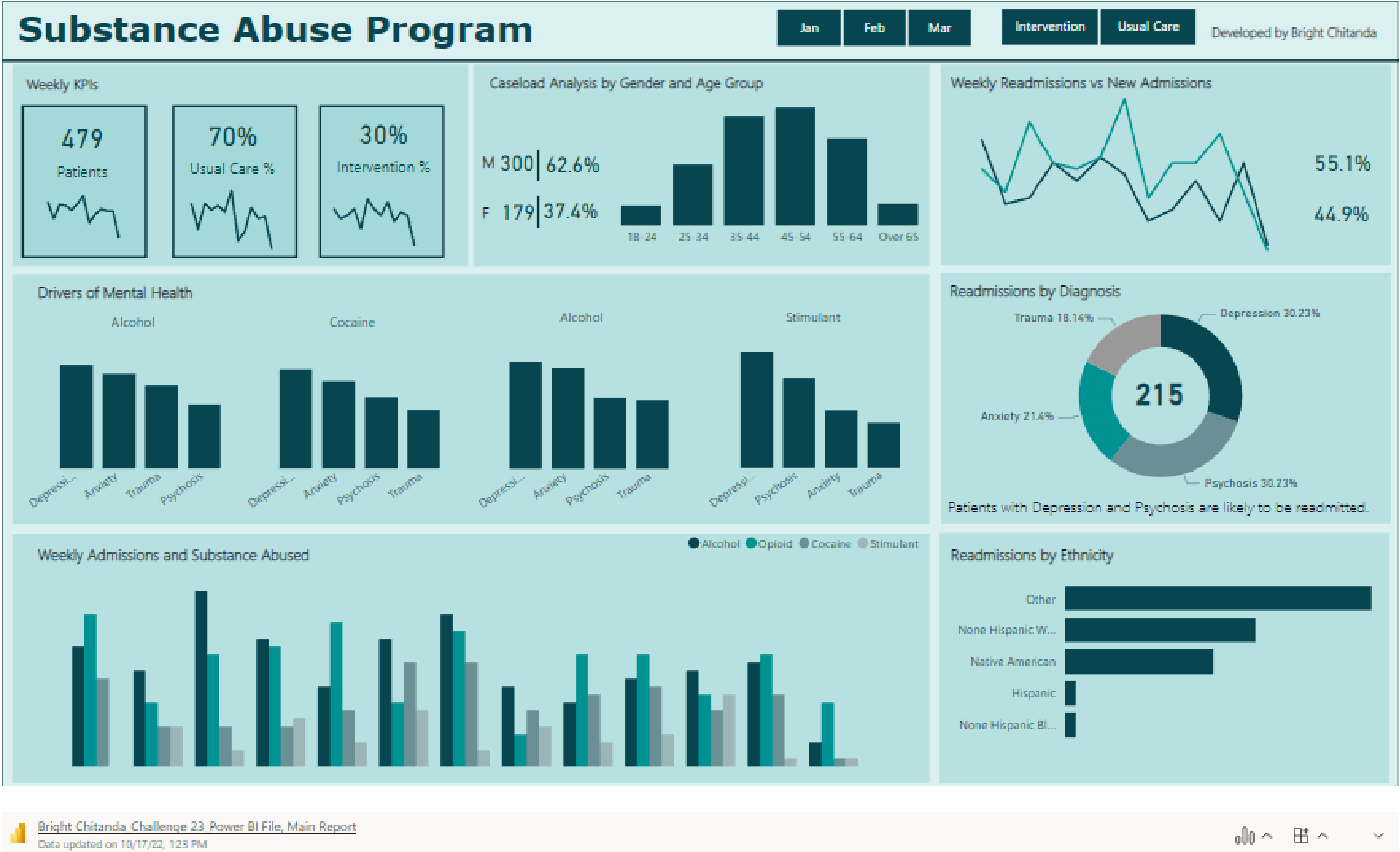
“This is my entry for the Enterprise DNA Challenge, Challenge 23, I found the dataset very interesting and full of possibilities. I hope you like it.”





Bright Chitanda

“This is my first entry to the EDNA Challenges. Challenge 23 Health & Substance Abuse has an interesting dataset to work with as it is in an area that I work in. This has helped to produce some analysis that would be operationally expected. I have also had some inspiration from Federico Pastor’s submission.”



Health – Substance Abuse



Umit Kurt

“This is my entry to the EDNA Challenges. Challenge 23 Health & Substance Abuse has an interesting dataset to work with. I hope you like it”

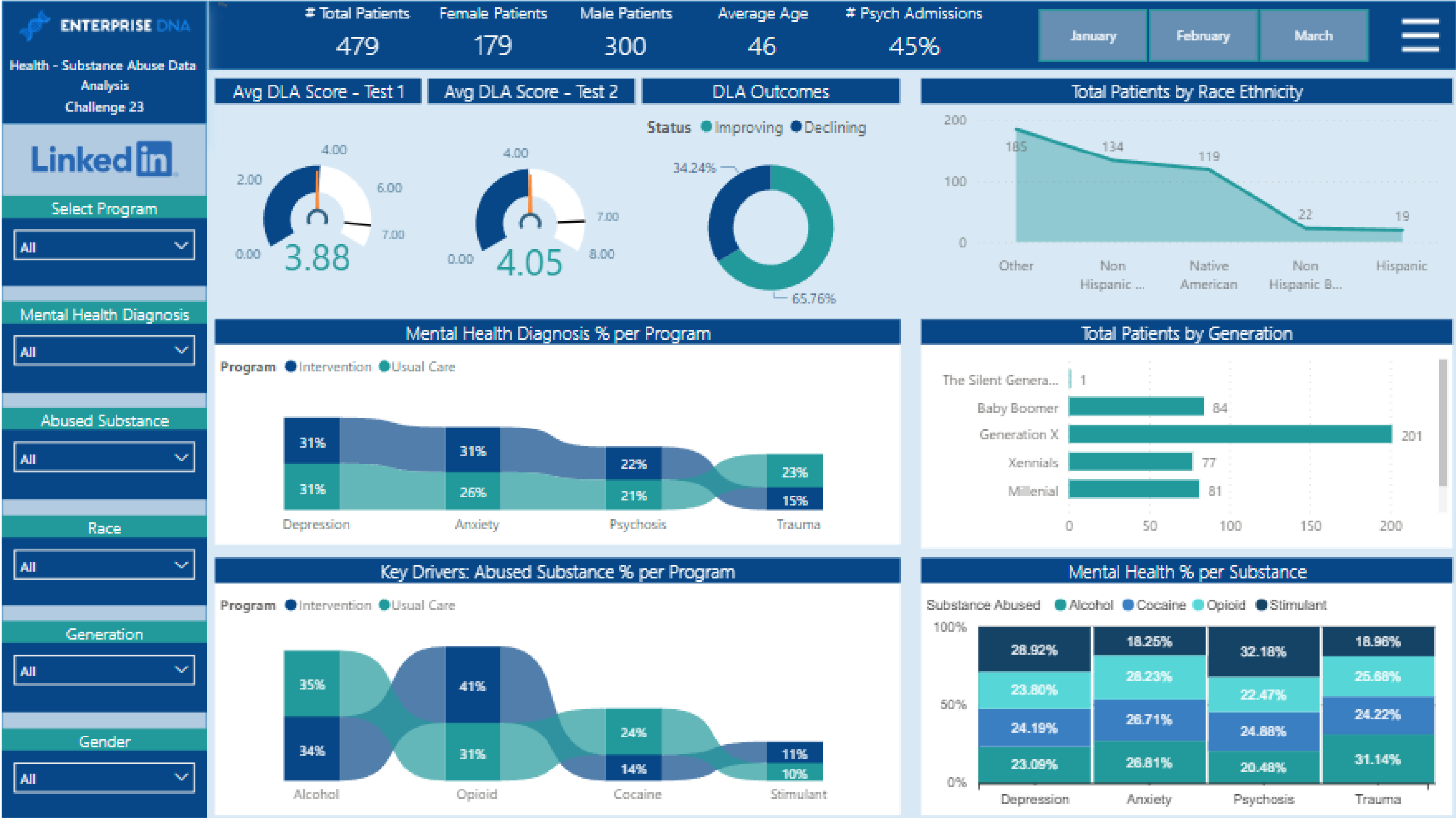


Health – Substance Abuse



Jessica Bramow

“This is my first entry to the EDNA Challenges. Challenge 23 Health & Substance Abuse has an interesting dataset to work with. I hope you like it”



Jessica Bramow Challenge 23 Power BI File
Data updated on 10/17/22, 4:25 PM



Health – Substance Abuse



Argenis Chaffardet

“This is my entry to the EDNA Challenges. Challenge 23 Health & Substance Abuse. I hope you like it”



Sudharsan Pandian

“This is my entry to the EDNA Challenges. Challenge 23 Health & Substance Abuse. Very interesting dataset. I hope you like it”

SUBSTANCE ABUSE CHALLENGE

479

Number of Records

294

Sum of Psychiatric Admissions

5

Count of Race Ethnicity (F)

2

Count of Program

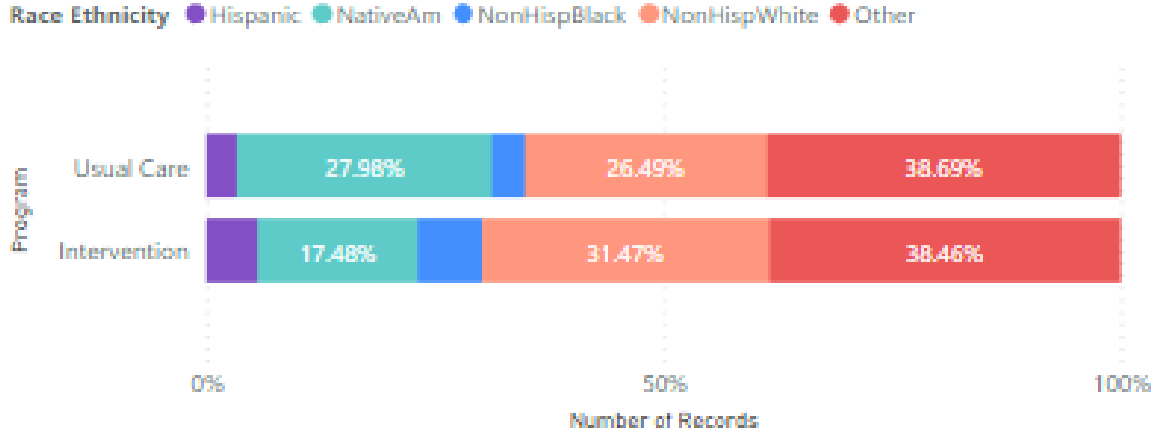
3.88

Median of Daily Living Activity Tes 1

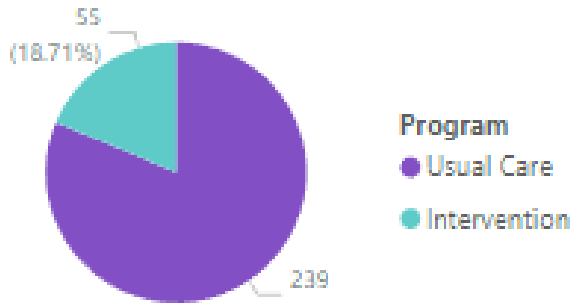
4.04

Median of Daily Living Activity Test 2

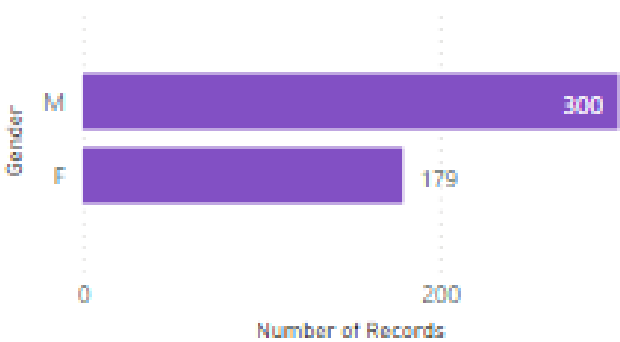
Number of Records by Program and Race Ethnicity



Sum of Psychiatric Admissions by Program



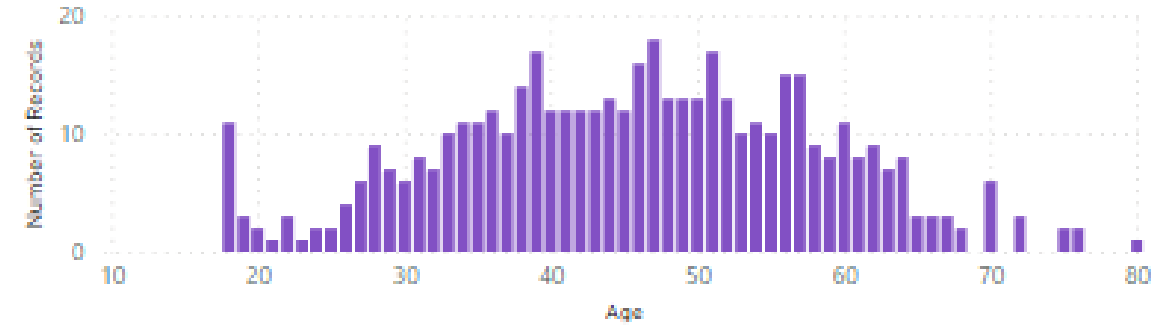
Number of Records by Gender



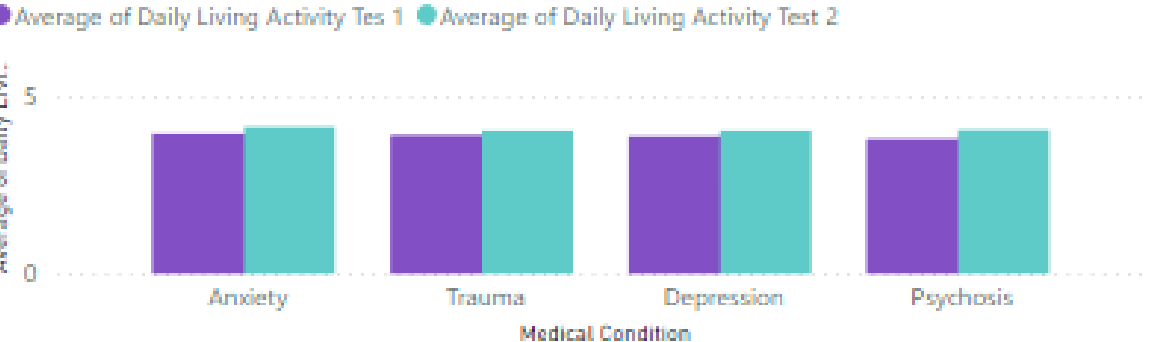
Sum of Psychiatric Admissions by Medical Condition



Number of Records by Age

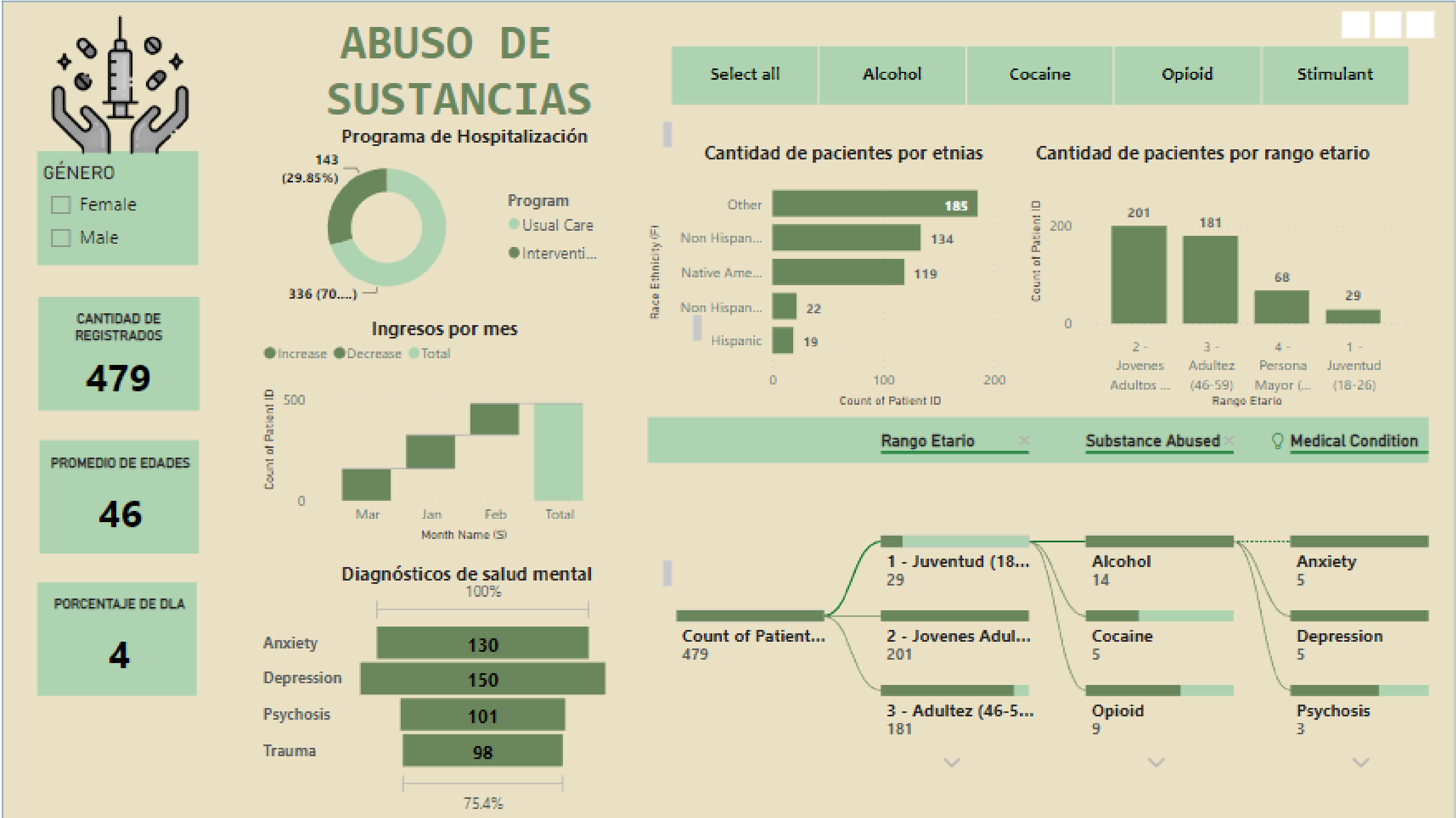


Average of Daily Living Activity Tes 1 and Average of Daily Living Activity Test 2 by Medical Condition



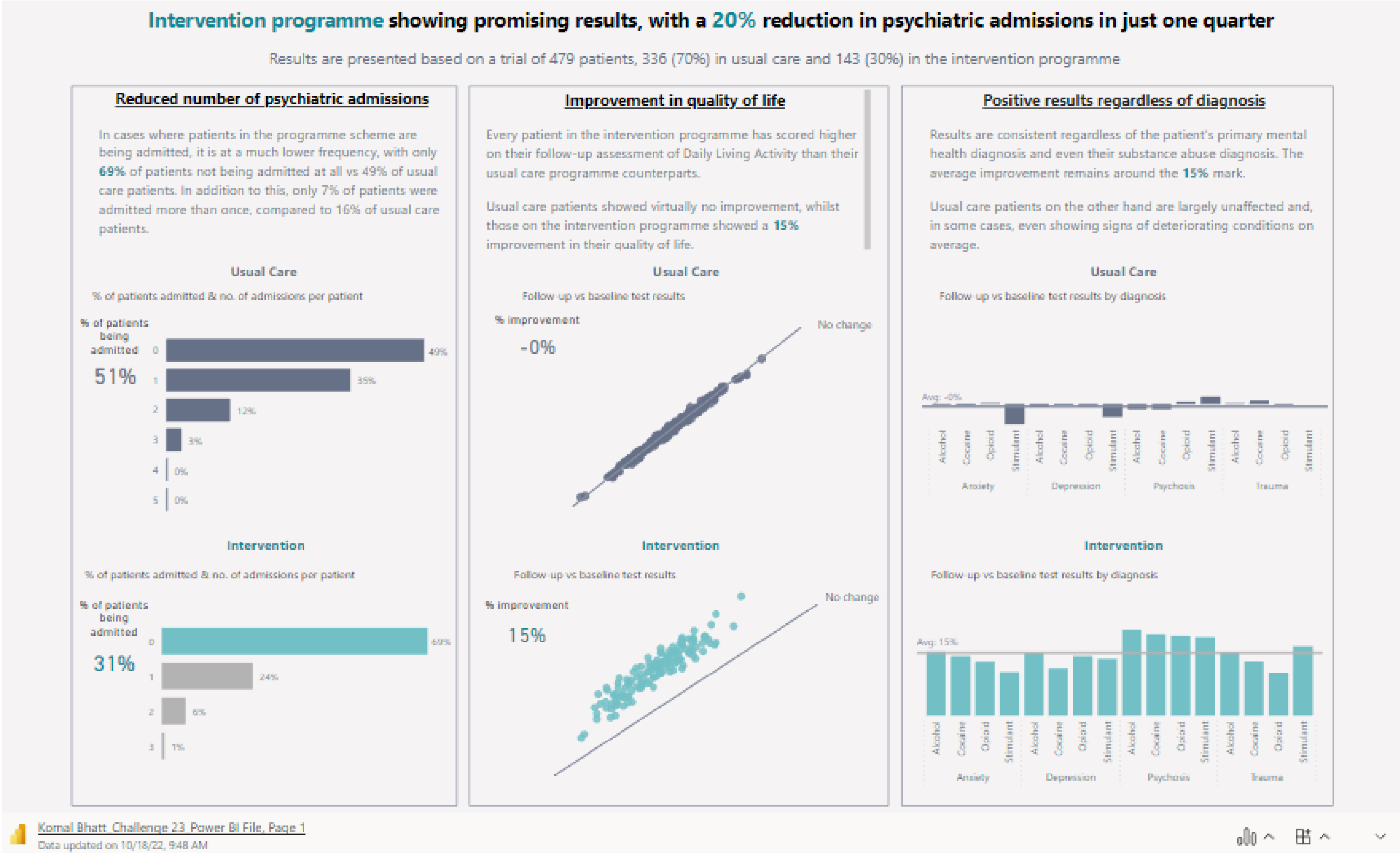
Noelia Valdez

“This is my entry to the EDNA Challenges and any challenge. Challenge 23 Health & Substance Abuse has a very interesting dataset. I hope you like it”



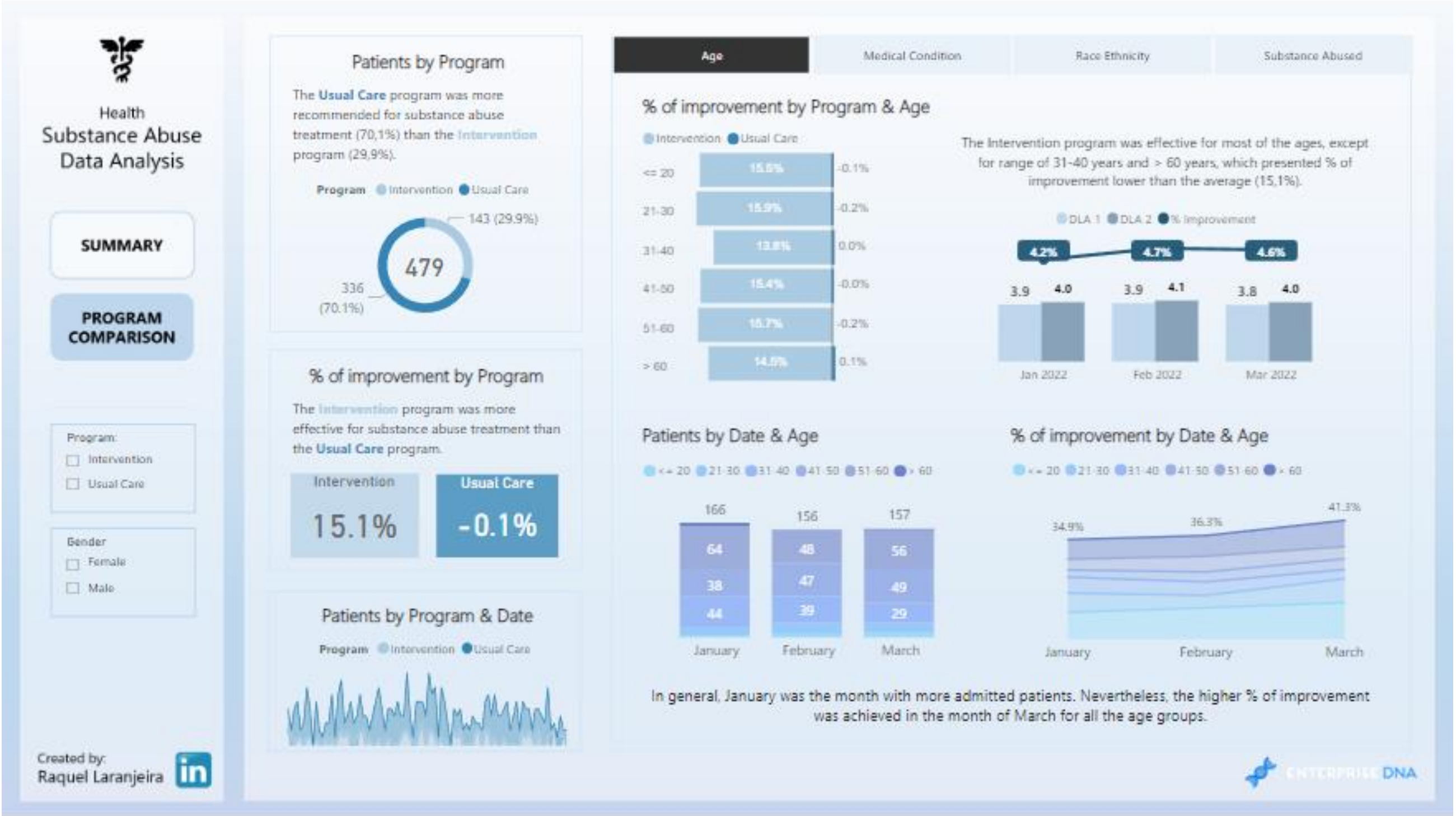
Komal Bhatt

“This is my entry to the EDNA Challenges 23. The dataset for this challenge looks like a small dataset but there are a lot of different avenues that can be explored. I decided to create a high-level results summary for this reason.”



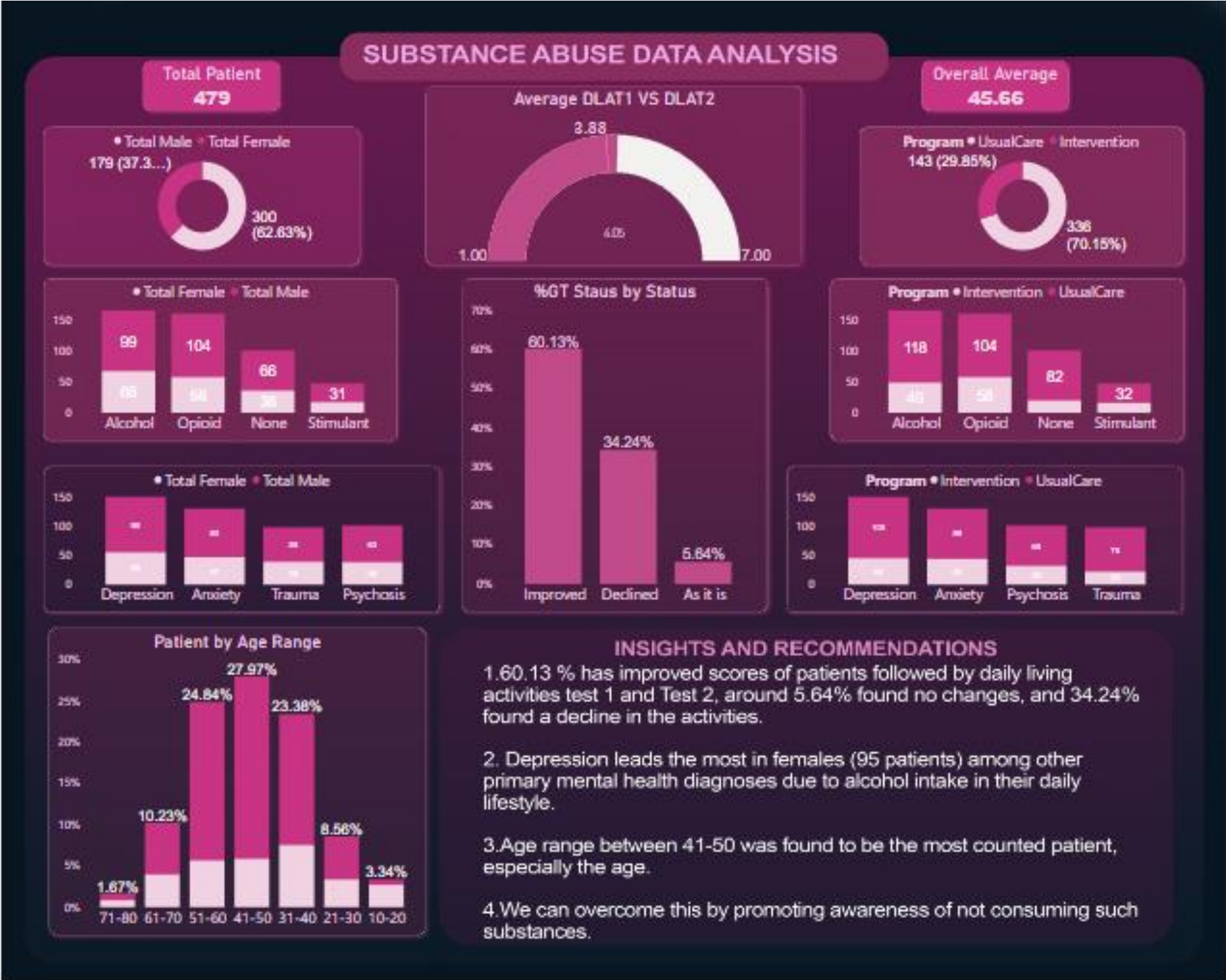
Raquel Laranjeira

“This is my entry to an EDNA Challenges and challenge 23. Very interesting dataset. I hope you like it”



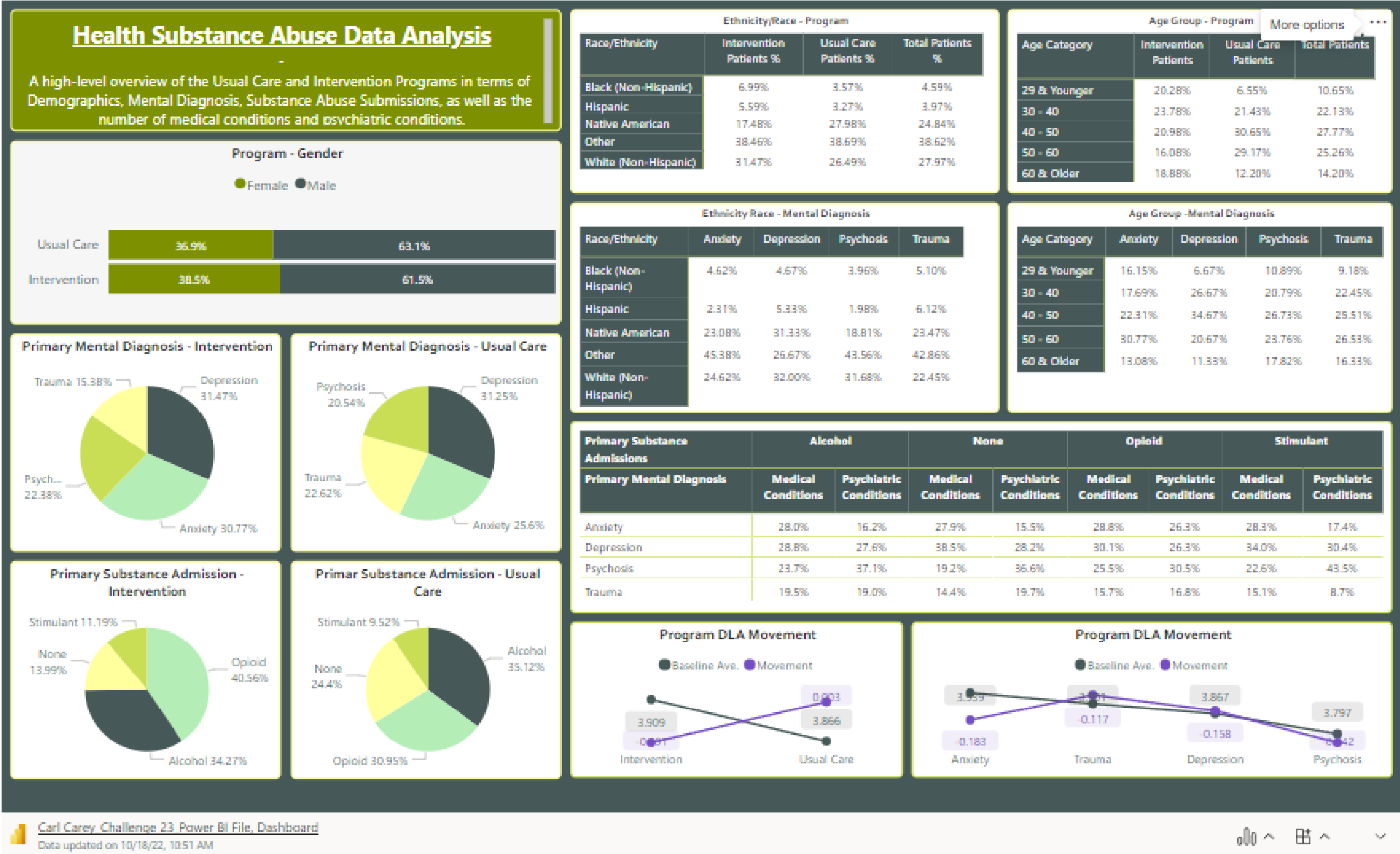
Rizwan Ahmad

“This is my entry to EDNA Challenge 23. The dataset is interesting to work with and provides an opportunity to find great insights, so thank you Enterprise DNA for providing such excellent challenges.”



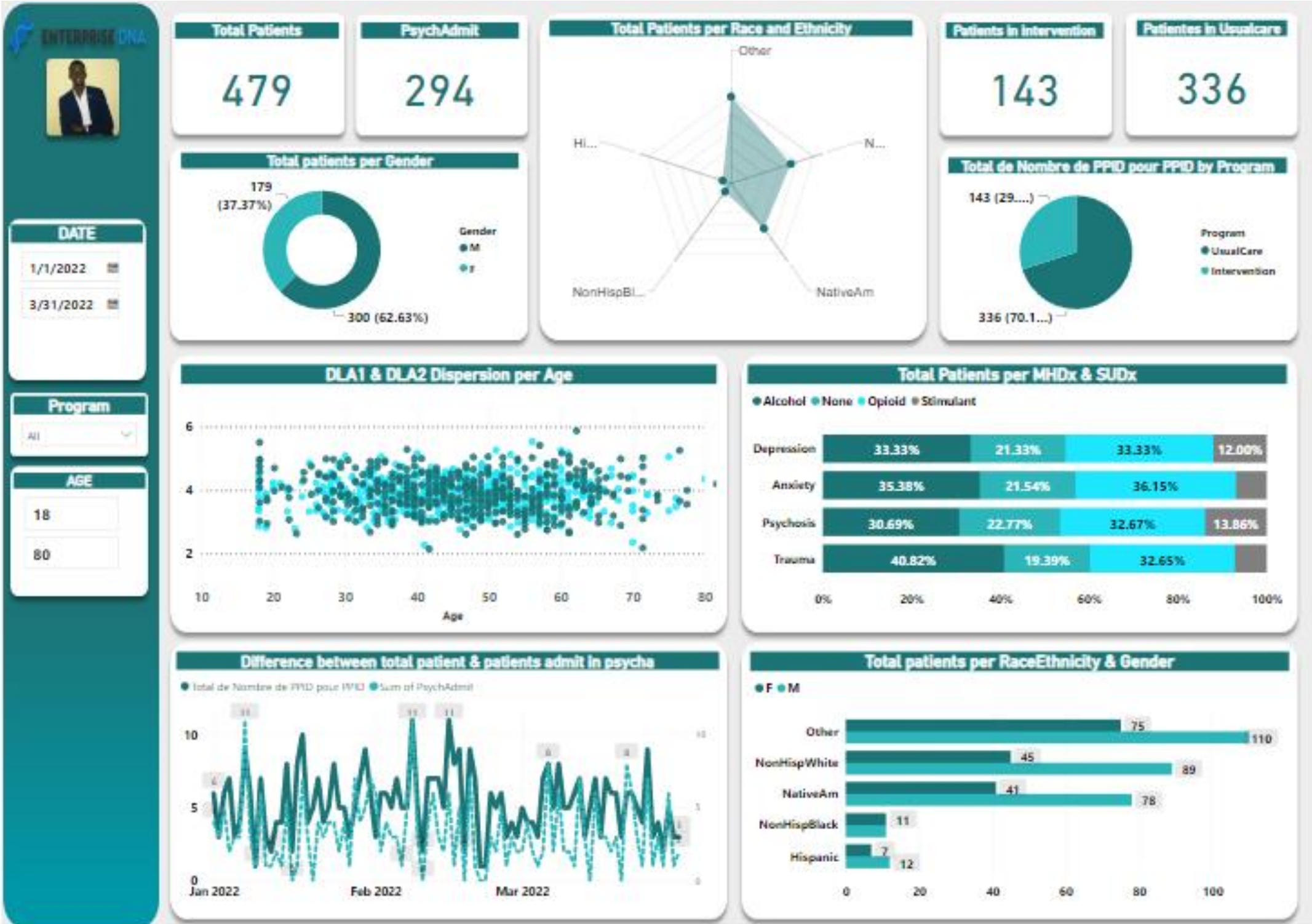
Carl Carey

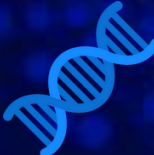
“This is my entry to EDNA Challenge 23. The dataset is very interesting. I hope you like it”



Mamadou S Diallo

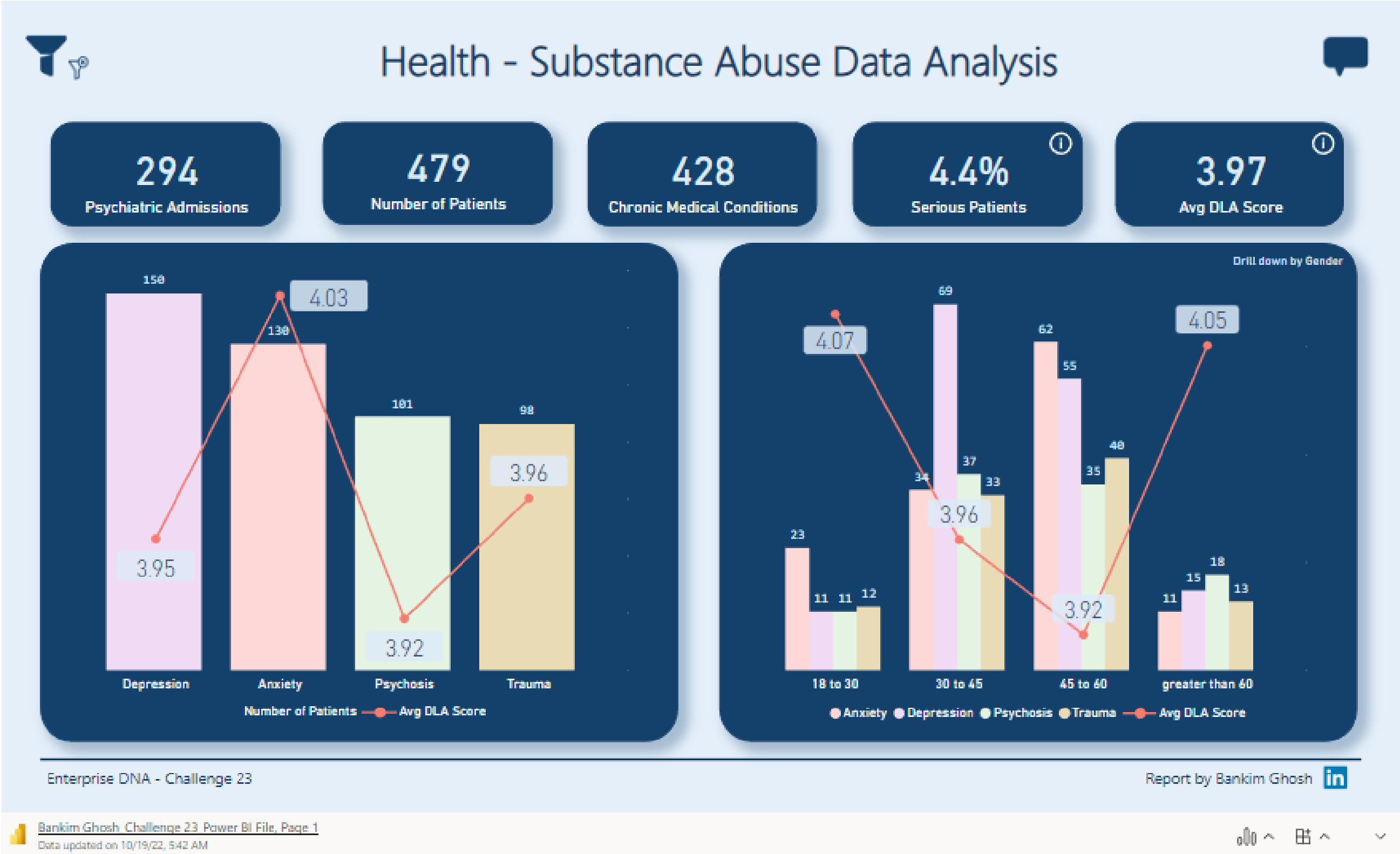
“This is my first participation for the Enterprise DNA - Challenge 23. I hope you like it; any feedback are highly valuable to me.”





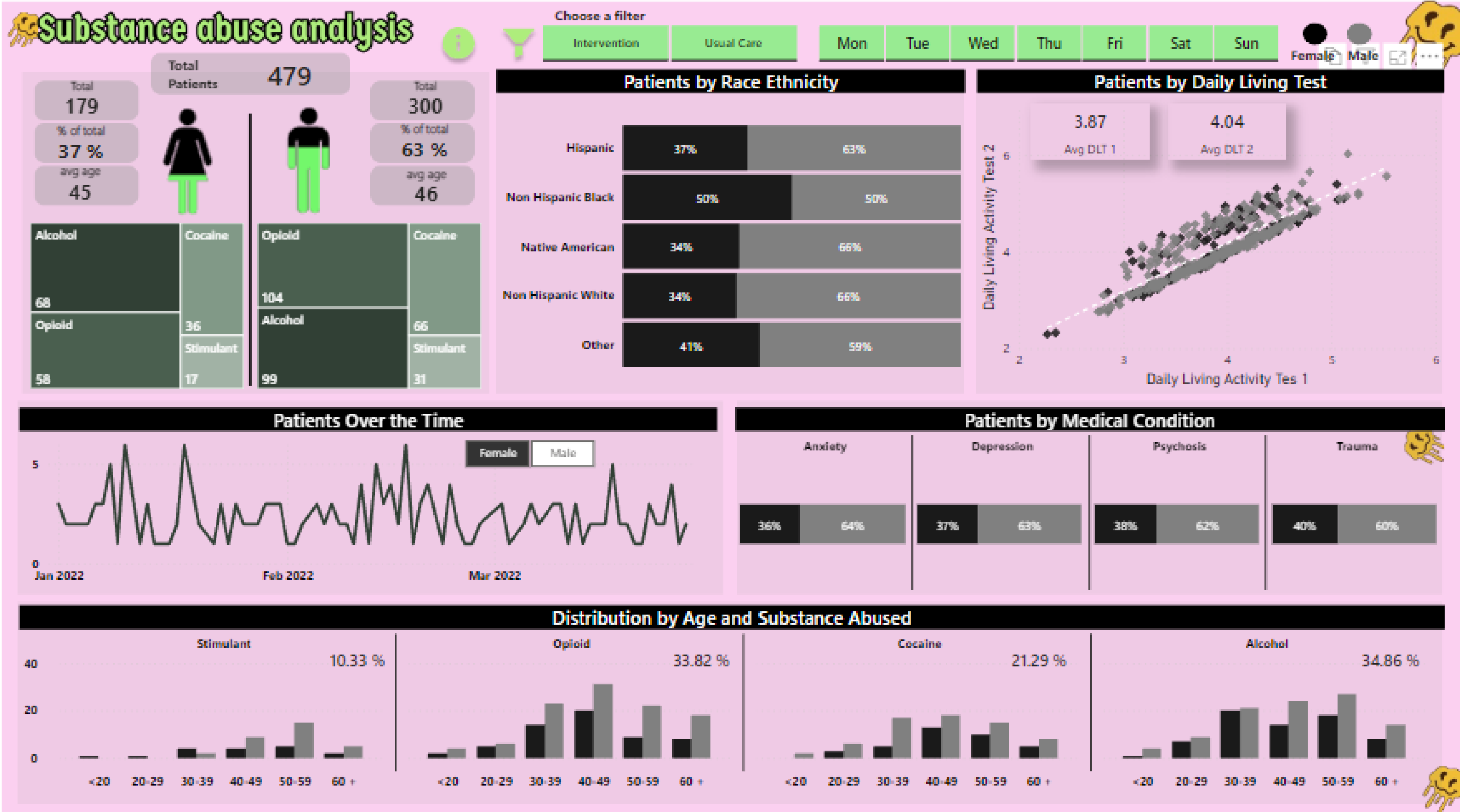
Bankim Ghosh

“This is my participation for the Enterprise DNA - Challenge 23. My goal was to learn new techniques through which I can keep the report compact as possible but also not compromising on insights. I hope you like it.”



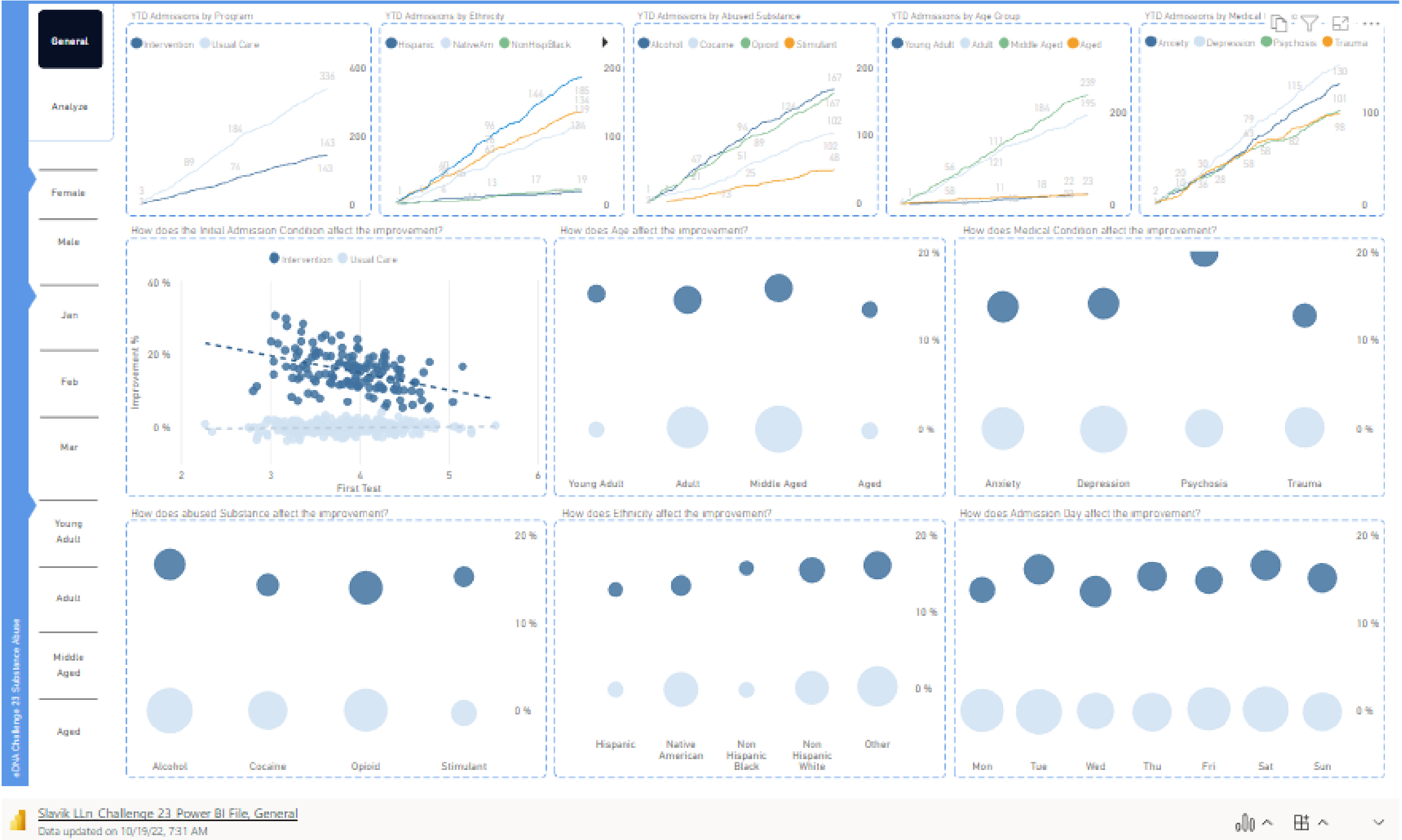
Antonio Chavez

“This is my first participation for the Enterprise DNA Challenges. I found the dataset very interesting. I hope you like it.”



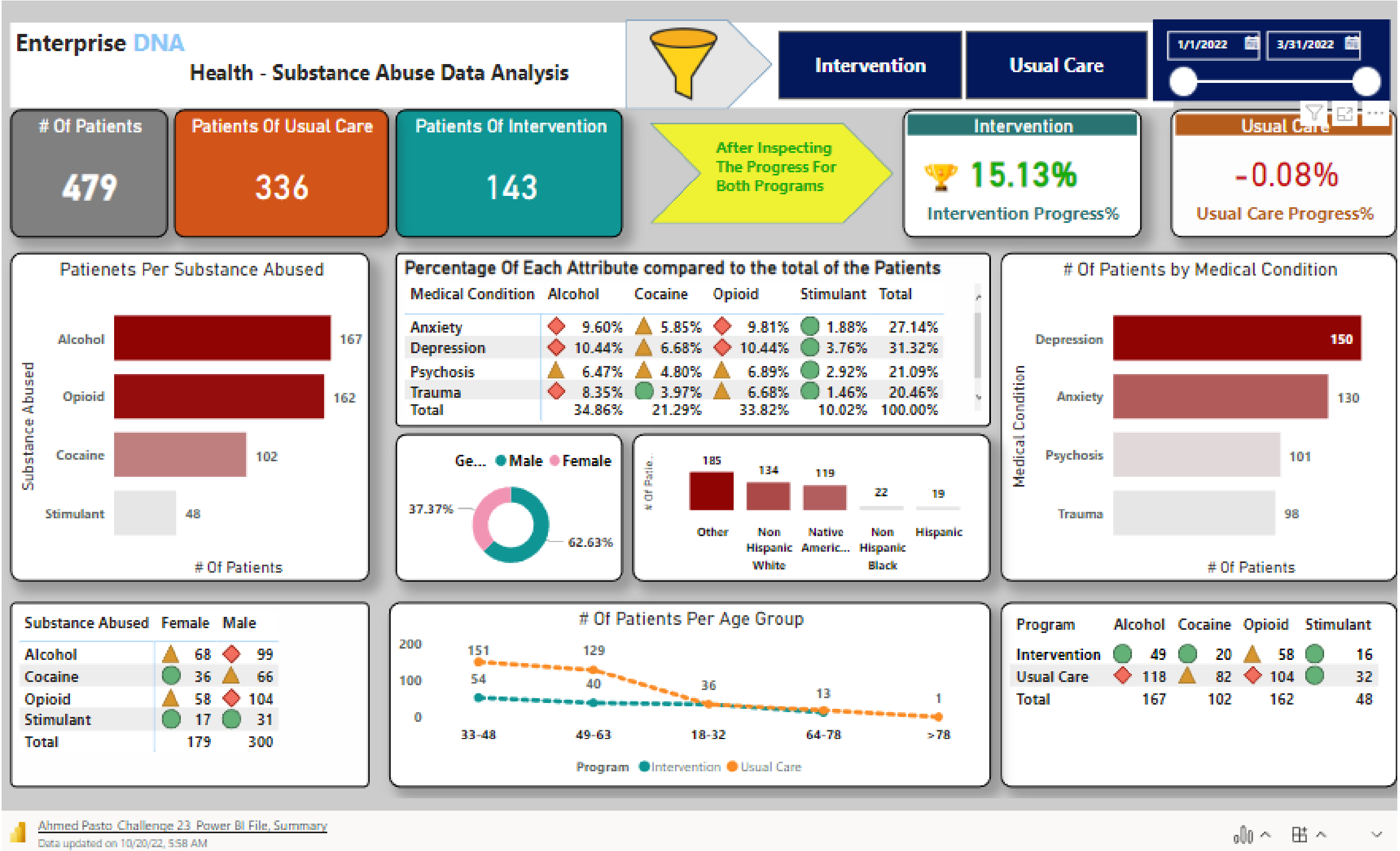
Slavik LLn

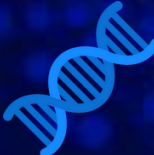
“I believe that a few seconds of looking at the dashboard should be enough to understand if a more thorough analysis is required, what the situation is, and what needs improvement. Preferably, without any explanation from the data analyst's side.”



Ahmed Magdy

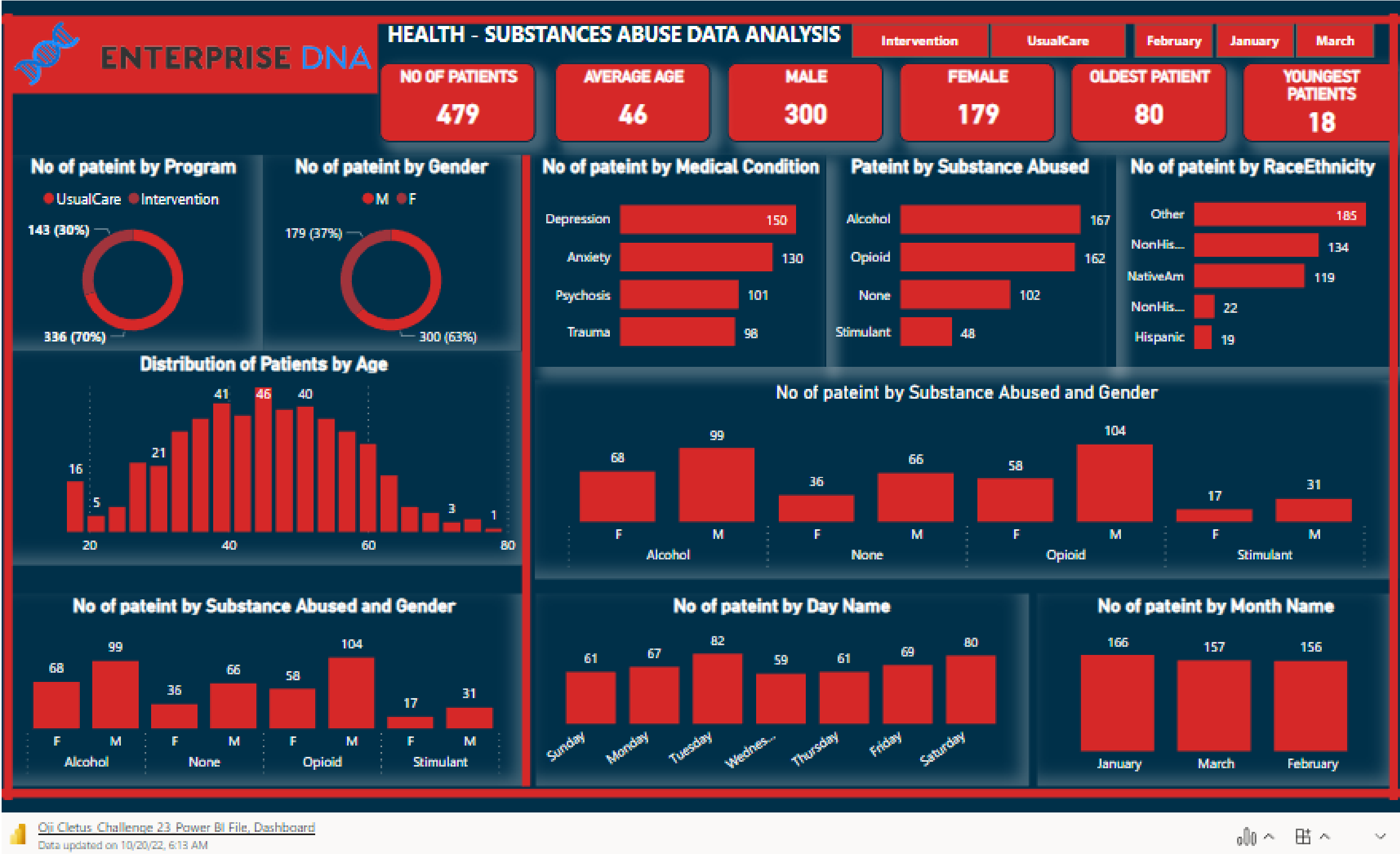
“With the dataset at hand, It was impressive how Intervention program improved the daily live activity of the patients over 15%, However the usual care couldn't develop any progress and the activity has been decreased by 8%. I really enjoyed this special dataset.”





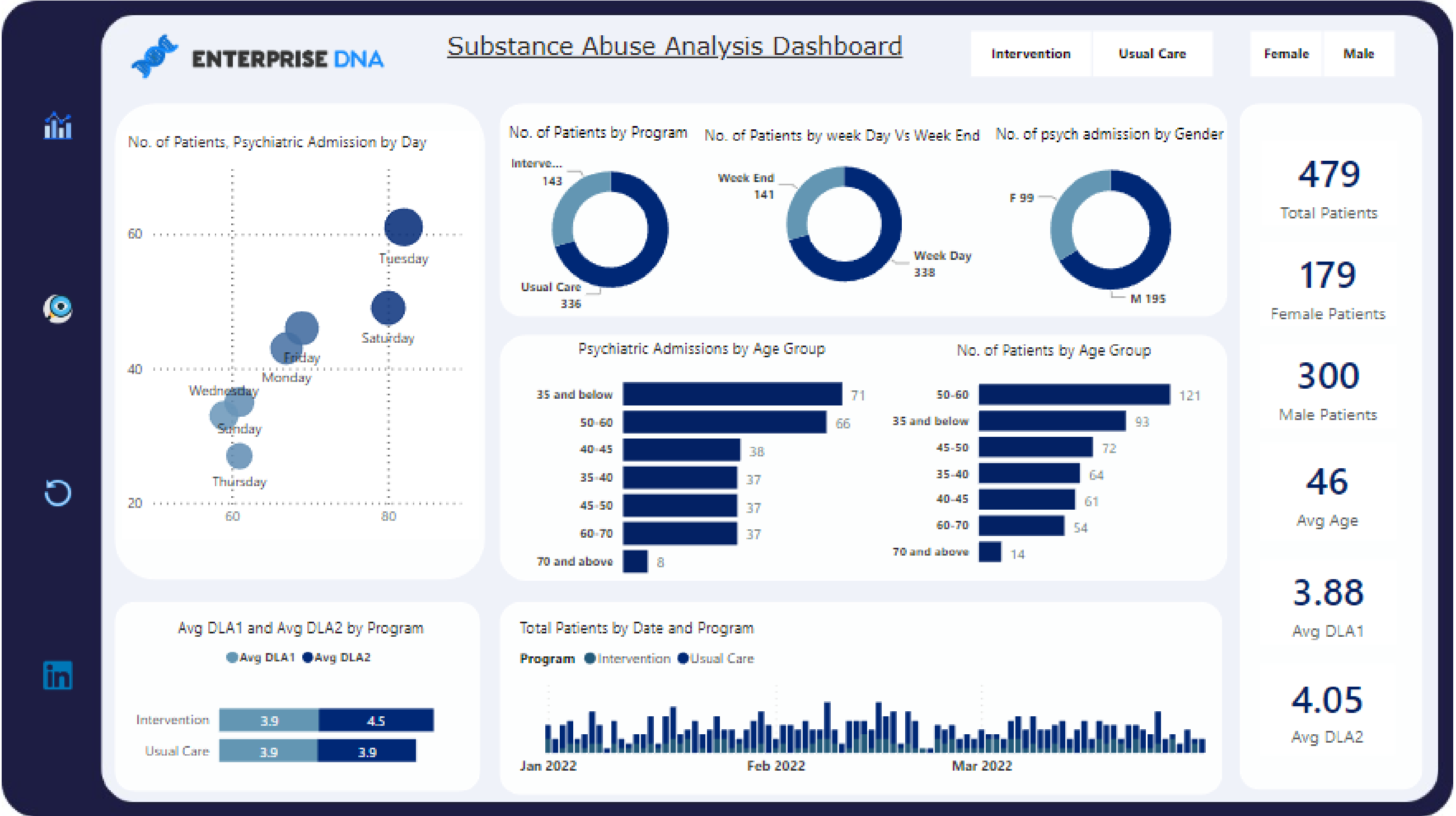
Oji Cletus

“Please find my report for Enterprise DNA Challenge 23. Thanks for the opportunity to work on this challenge and, I need your feedback. I hope you like it”



Karuna Nagre

“ I accepted the Enterprise DNA challenge. As this is my first participation so any feedback or suggestions are highly valuable. It was a great experience working with this data and found some valuable insights out of it.”





Fraziola Chiu

“ I accepted the Enterprise DNA challenge. It was a great experience working with this data and found some valuable insights. I hope you like it”

479
Participants

294
Psychiatric Admissions

Race - Ethnicity
All

Age Group
 Adults
 Seniors
 Young Adult

Gender
 F
 M

Medical Condition
 Anxiety
 Depression
 Psychosis
 Trauma

Substance Abused
 Alcohol
 Cocaine
 Opioid
 Stimulant

PHASE III CLINICAL RESEARCH CONDUCTED TO 479 PARTICIPANTS WITH THE PURPOSE OF DETERMINING IF THE EFFICACY OF A NOVEL TREATMENT FOR MENTAL HEALTH CAUSED BY SUBSTANCE ABUSE IS SUPERIOR TO THE CURRENT STANDARD OF CARE

Recruiting status: Completed. The recruiting period for this Clinical trial began in January and closed in March of 2022. Eligibility included both born genders and all Race-Ethnicities under Hispanic, Native American, Non-Hispanic Black and Non-Hispanic White & Other, the category Other resulted significant in size.

The program divided the participants into two cohorts or arms: A control arm to be evaluated under the usual care that consisted of 30% and an intervention arm with 70% (Fig. 1) Despite the randomization, the selected group largely consisted of adults and ended up being under-represented by young adults and seniors (Fig 2).

Figure 1 depicting the participants by program

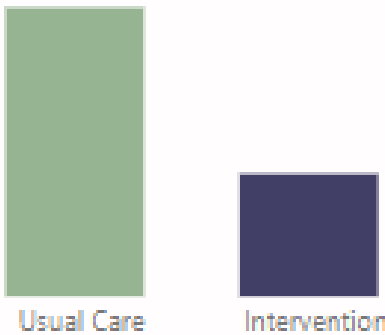
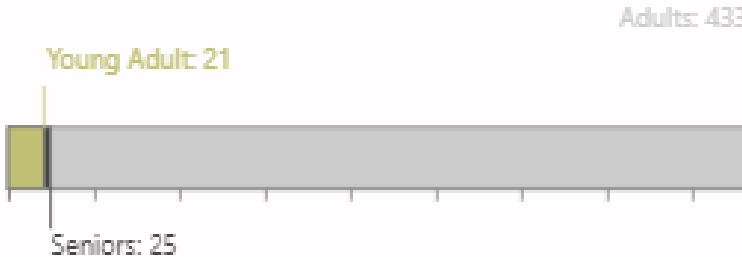
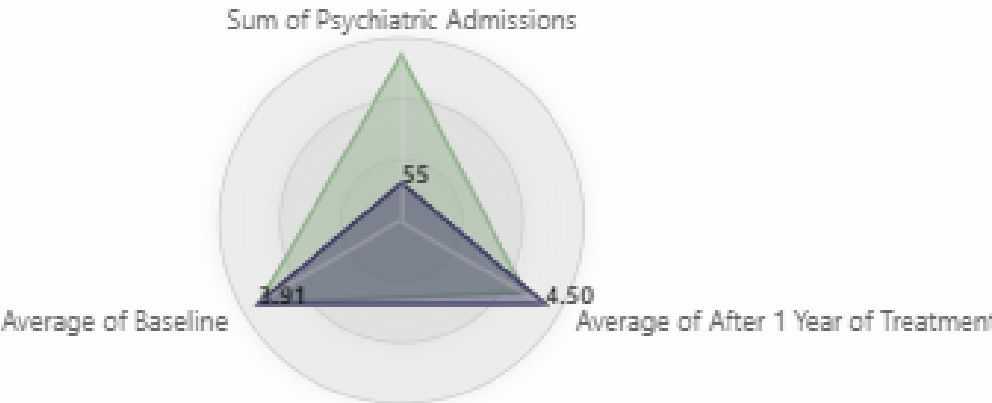


Figure 2 depicting participants age groups



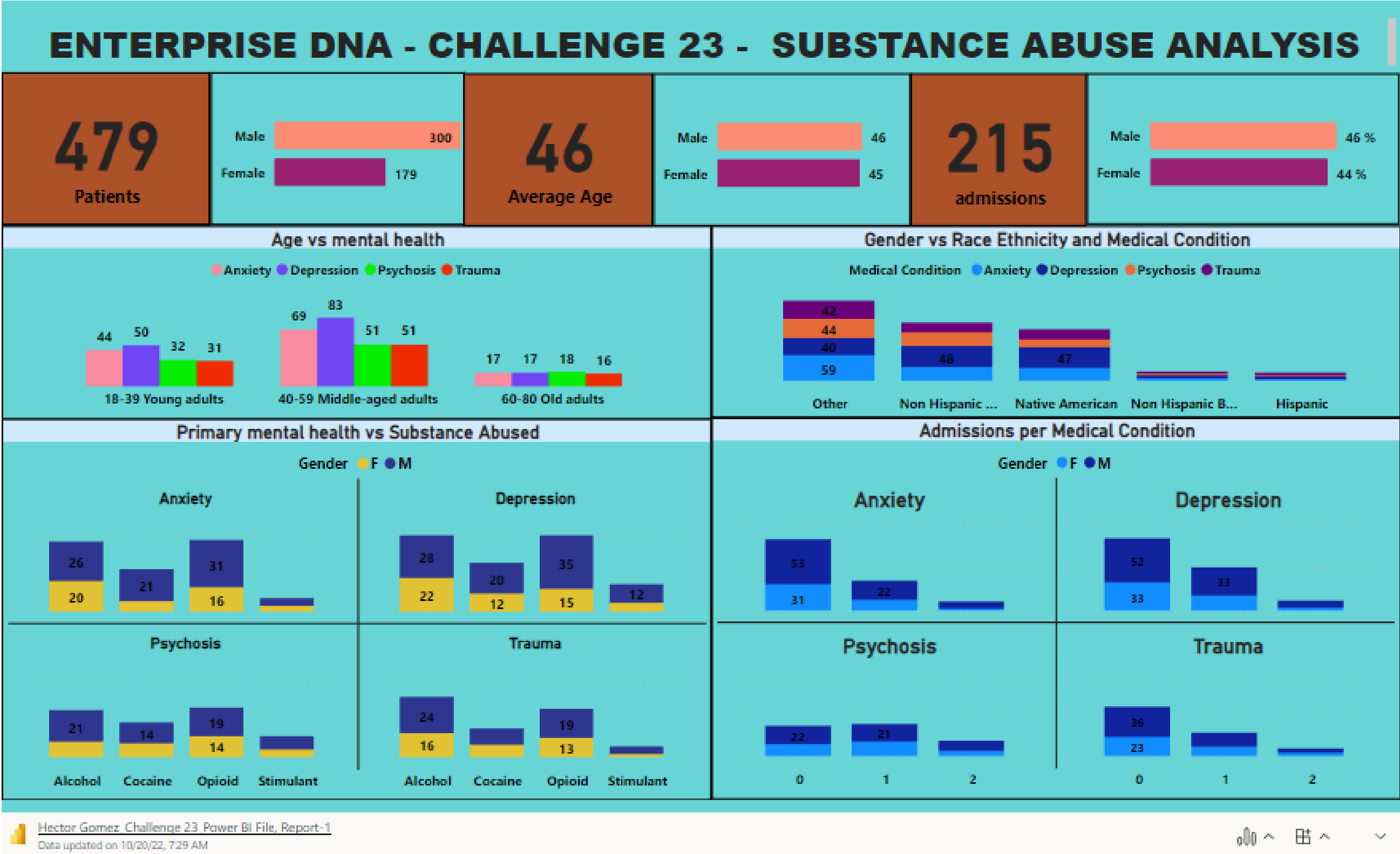
PHASE III IS THE NOVEL TREATMENT BETTER?
BY COMPARING TO THE CURRENT STANDARD OF CARE, THE NEW TREATMENT PROVED TO BE OVERALL BETTER BY 15%

ALTHOUGH THE ENDPOINT WAS NOT DEFINED, THE PSYCHIATRIC ADMISSIONS DID RESULT IN A SIGNIFICANT DECREASE
NEXT STEPS: PHASE IV FDA DRUG REVIEW



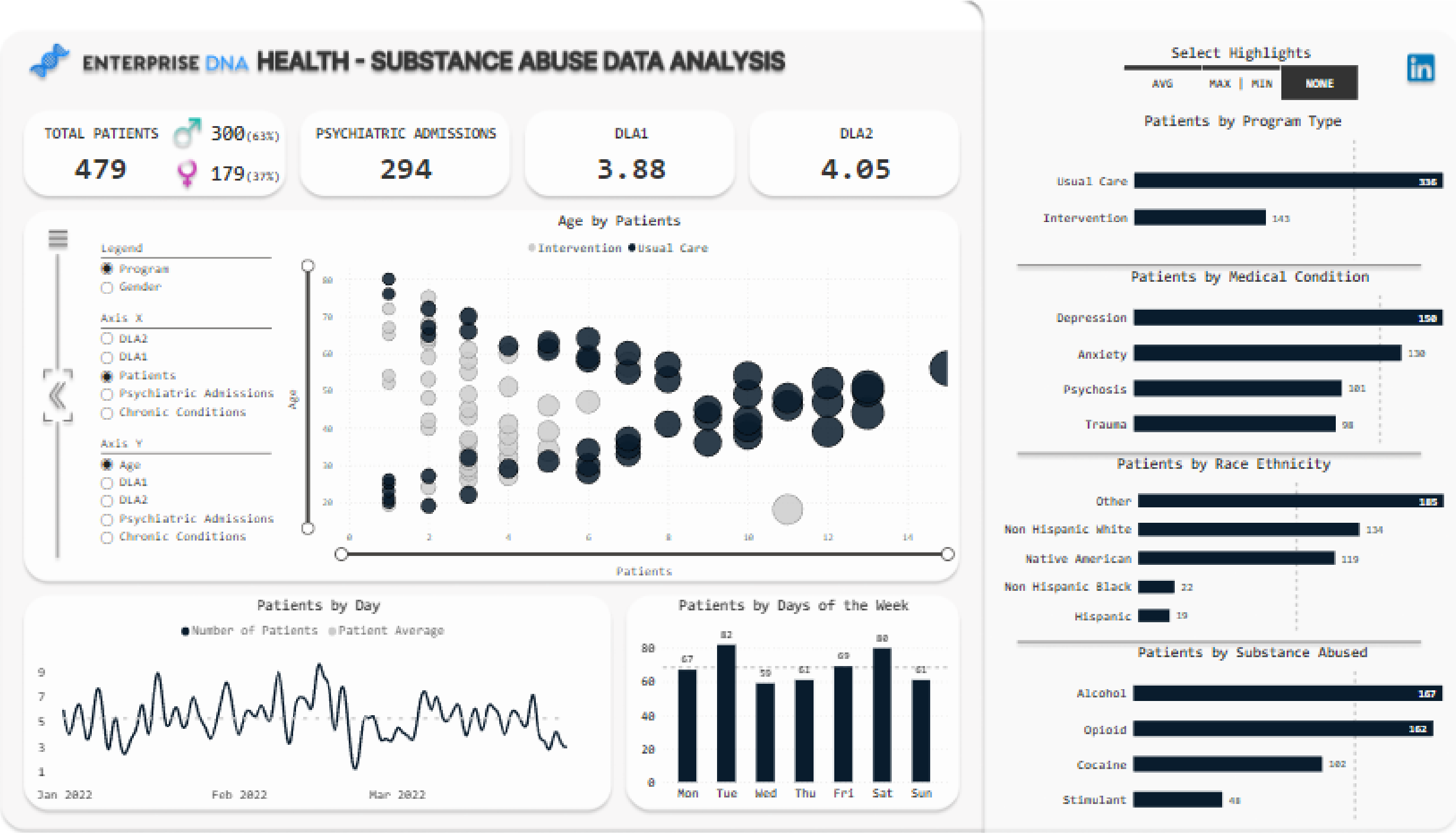
Hector Gomez

“ I accepted the Enterprise DNA challenge. It was a great experience working with this data and enjoyed the process very much. I hope you like it”



Wanderson Barbosa

“ I accepted the Enterprise DNA challenge. It was a great experience working with this data. Thank you for this incredible challenge”

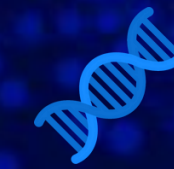


CREATE BY WANDERSON LIMA

Debasish Nandy

“I accepted the Enterprise DNA challenge. It was a great experience working with this data. Thank you for this very interesting challenge. I hope you like it”





Divyanshu Totla

“Please find entry for Challenge 23. Very interesting dataset. I enjoyed working on it a lot. I hope you like it”

Intervention	Usual Care
Female	Male

Health - Substance Abuse Data Analysis

479

Total Patients

45.66

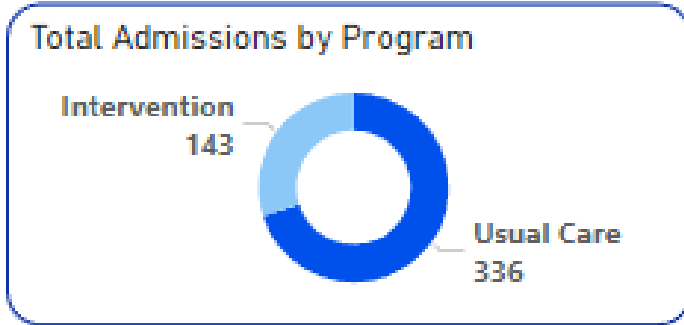
Average Age

0.174

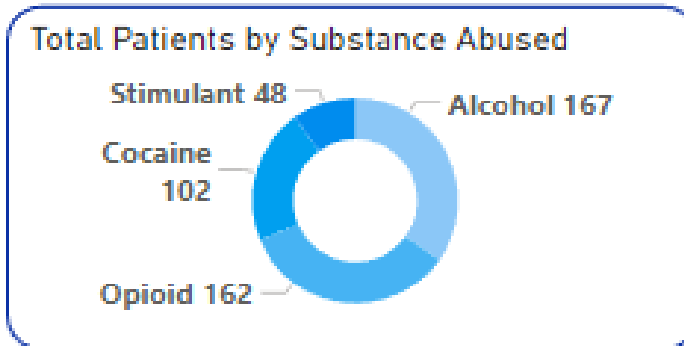
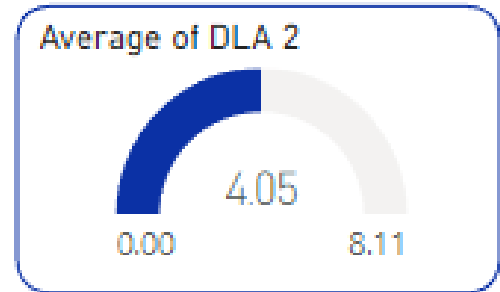
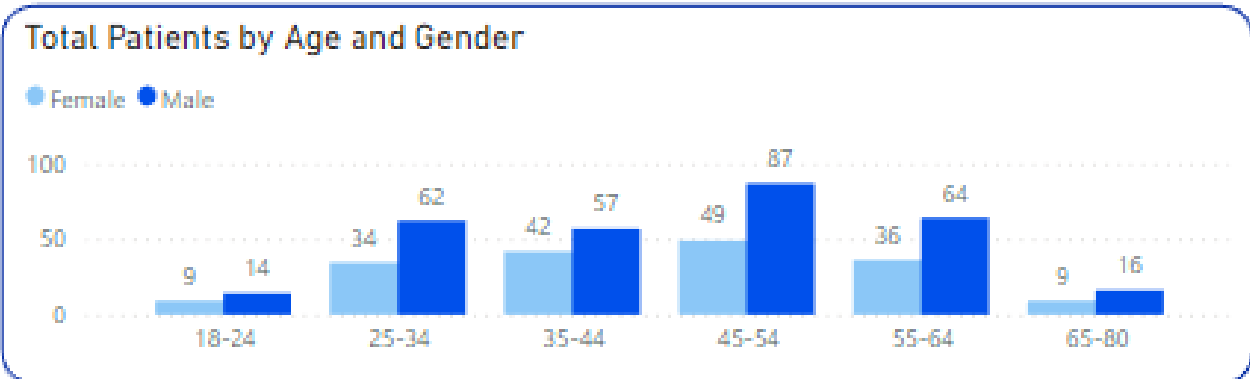
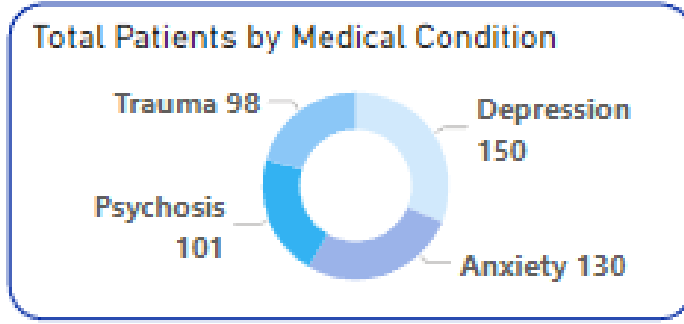
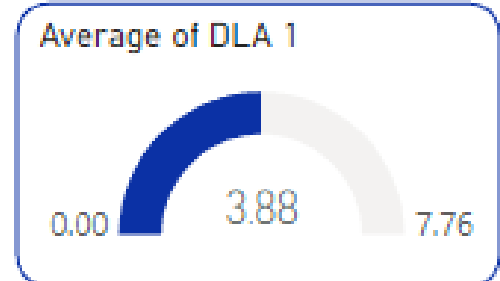
Average Improvement

0.61

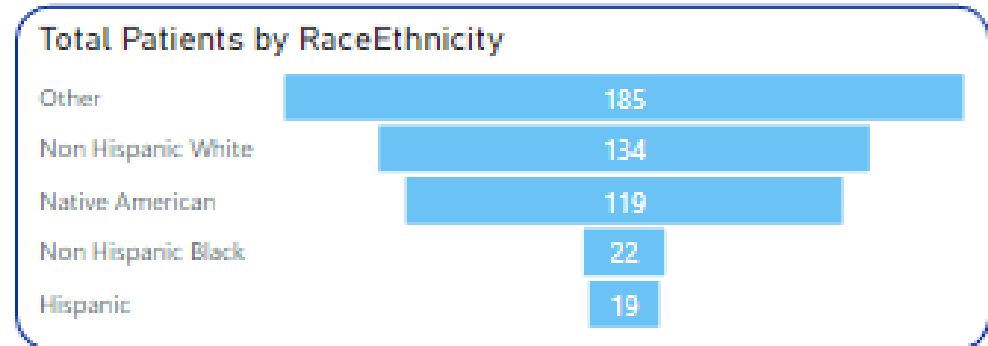
Avg of Admission



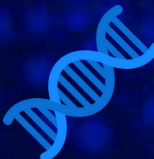
- Out of total patients **67% Males** and **33% Females** are affected.
- **Anxiety** and **Depression** comprises **60%** of the total patient admitted for treatment.
- **Alcohol** and **Opioid** together forms approx **70%** of total patients by substance



Medical Condition	Intervention	Usual Care	Total
Anxiety	9.19%	17.95%	27.14%
Depression	9.39%	21.92%	31.32%
Psychosis	6.68%	14.41%	21.09%
Trauma	4.59%	15.87%	20.46%
Total	29.85%	70.15%	100.00%



Health – Substance Abuse



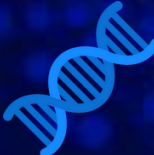
ENTERPRISE DNA

Ammar Hilmar

“I accepted the Enterprise DNA challenge. I must say that this is the most challenging dataset that I have ever workout. I admit, to create this dashboard, it required me to study more about substance and drug abuse. There are a lot to learn from this data set. I needed to crack my head to point out the critical and important part to make this data viz interesting.”

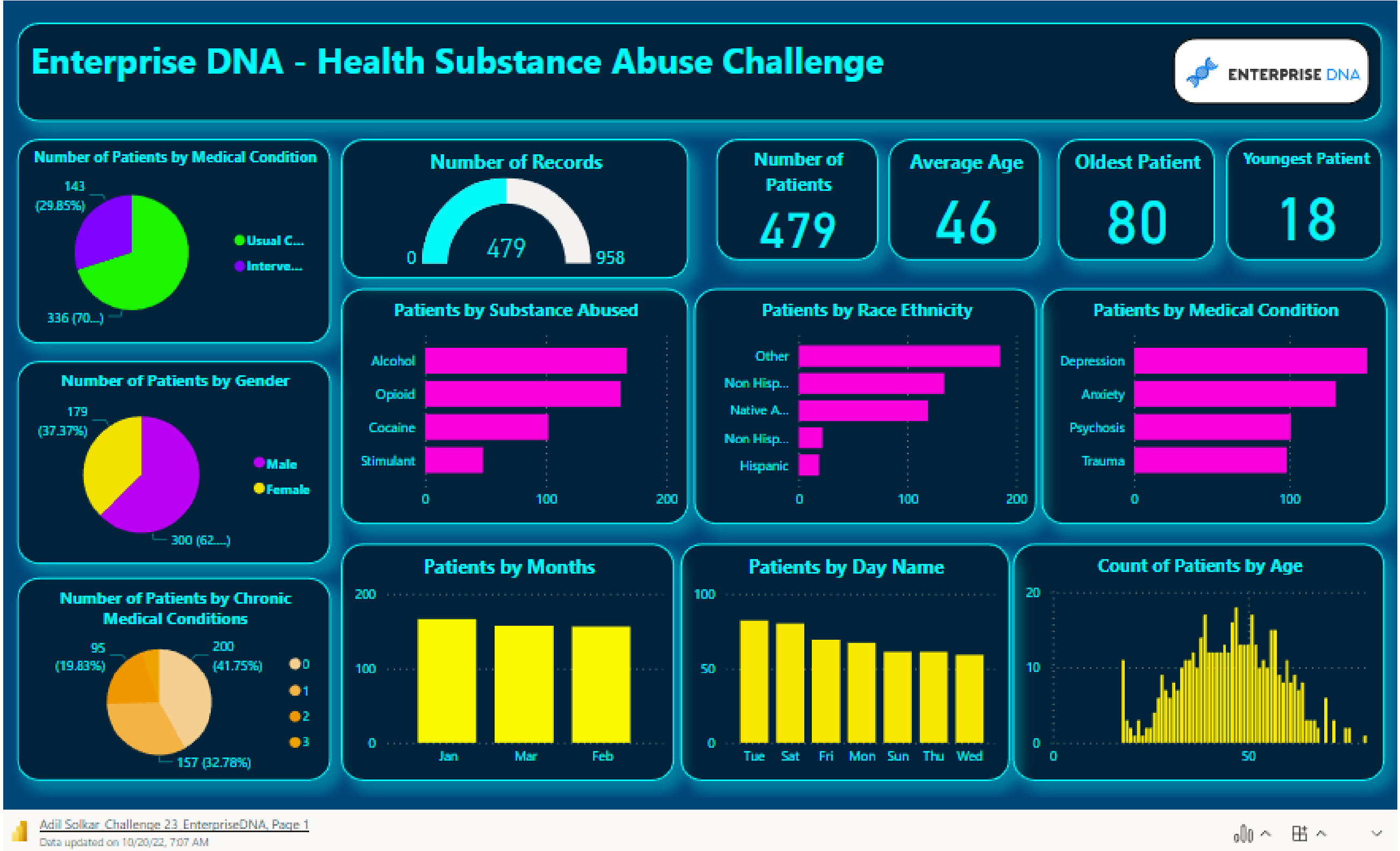
EMPOWERING POWER BI USERS TO CHANGE THEIR WORLDS





Adil Solkar

“I accepted the Enterprise DNA challenge. I enjoyed working on this dataset, I hope you like my report.”



Saeed Moazam

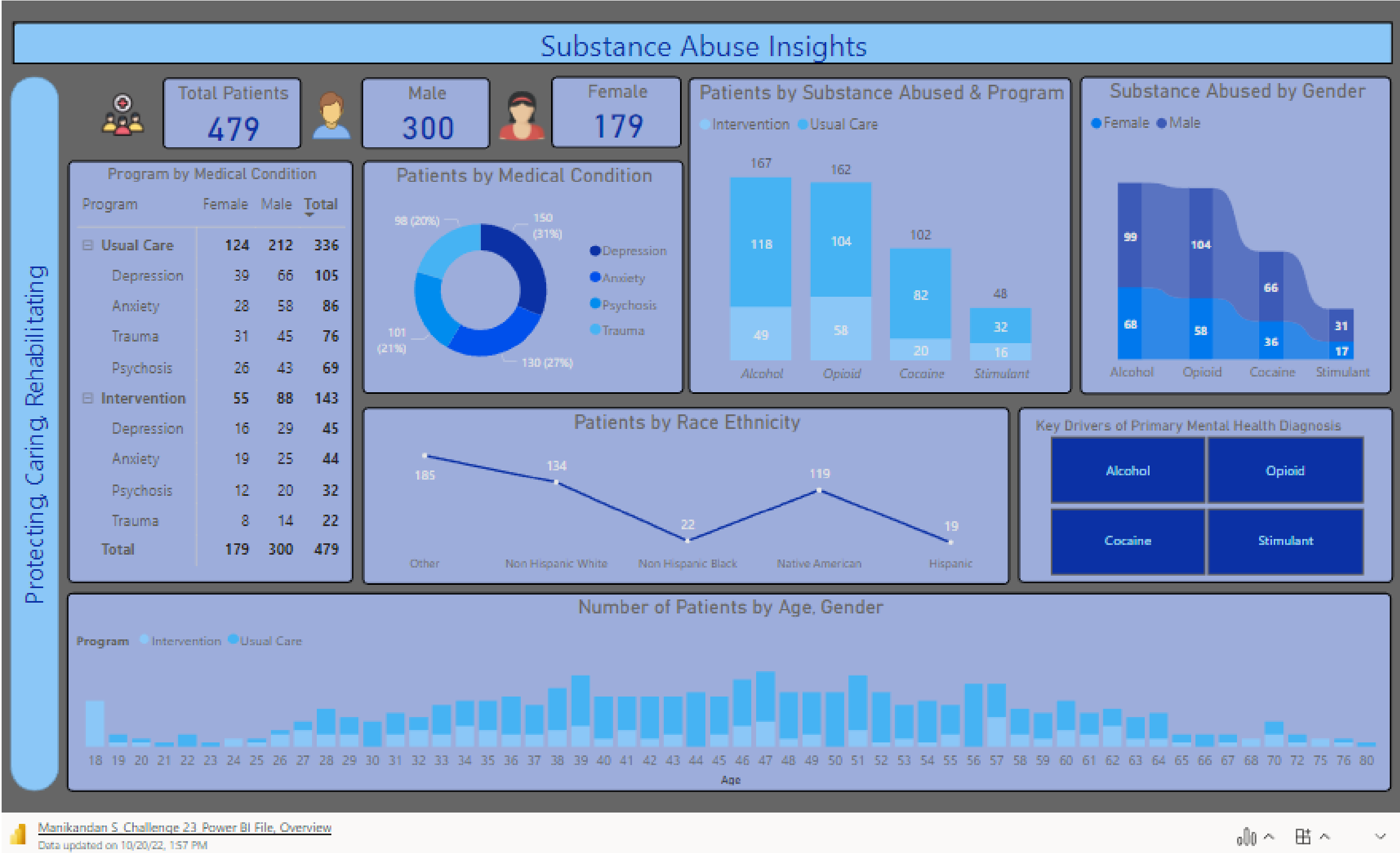
“I accepted the Enterprise DNA challenge 23. This is my first submission to EDNA Power BI challenge. I tried my best to present the analysis very well and I hope you will like it as well. Although, I know I am not expert enough and trying to grab max knowledge about Power BI and these type of challenges can make me expert so thank you for organizing it.”



Manikandan

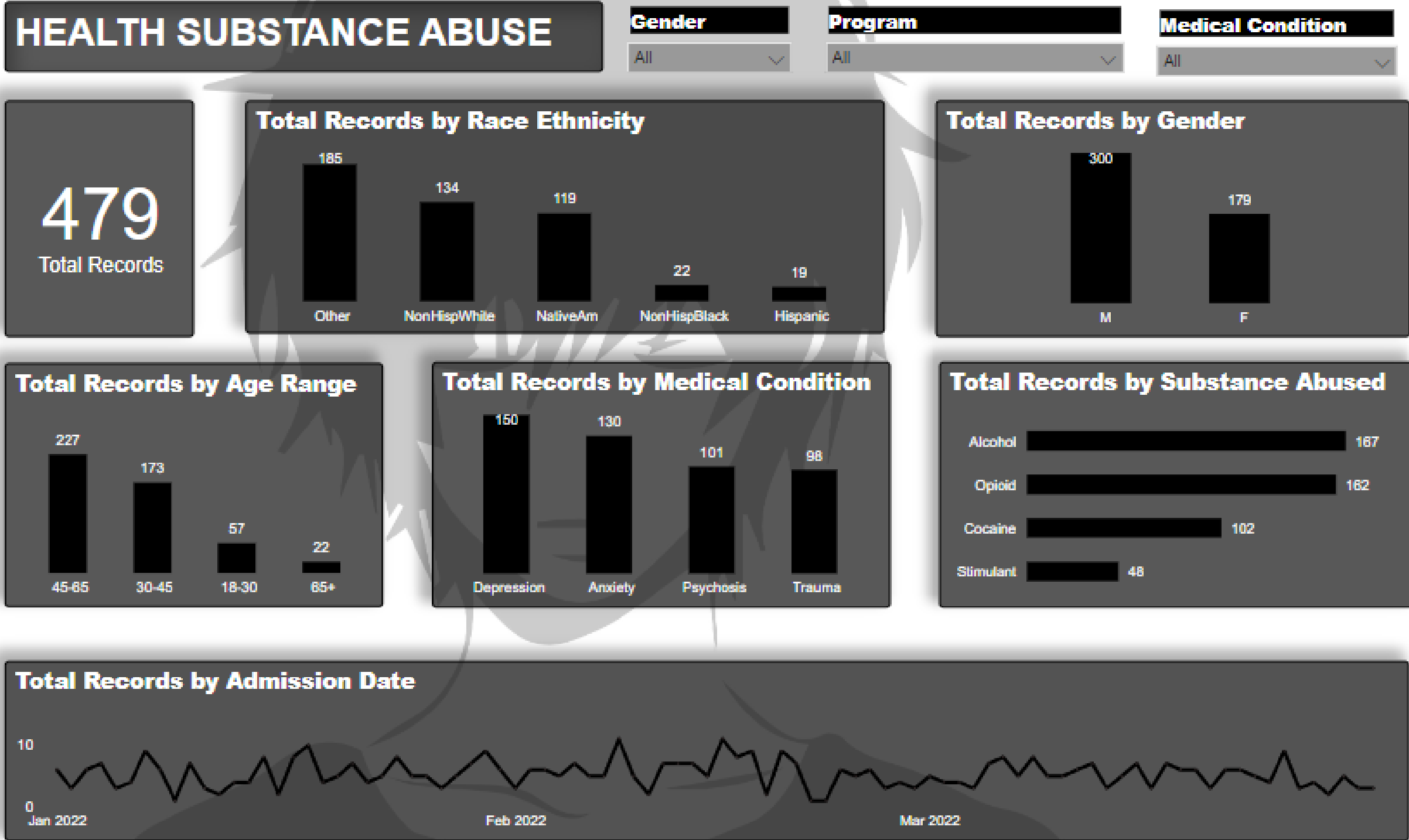
S

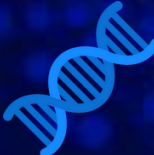
"Learning, Sharing, Growing are phenomenal and my favorite quote all time. Thanks, is just a word for EDNA platform, Honestly you are doing beyond the limits to the people. It's a greater opportunity for me, I'm happy to submit first time Enterprise DNA Challenge, tried my best and created this Dashboards to impress you."



Kiruba Selvi

"I'm happy to submit my Enterprise DNA Challenge report. I really enjoyed participating in yet another challenge, looking forward to participating in challenge 24 ,Thank you! "





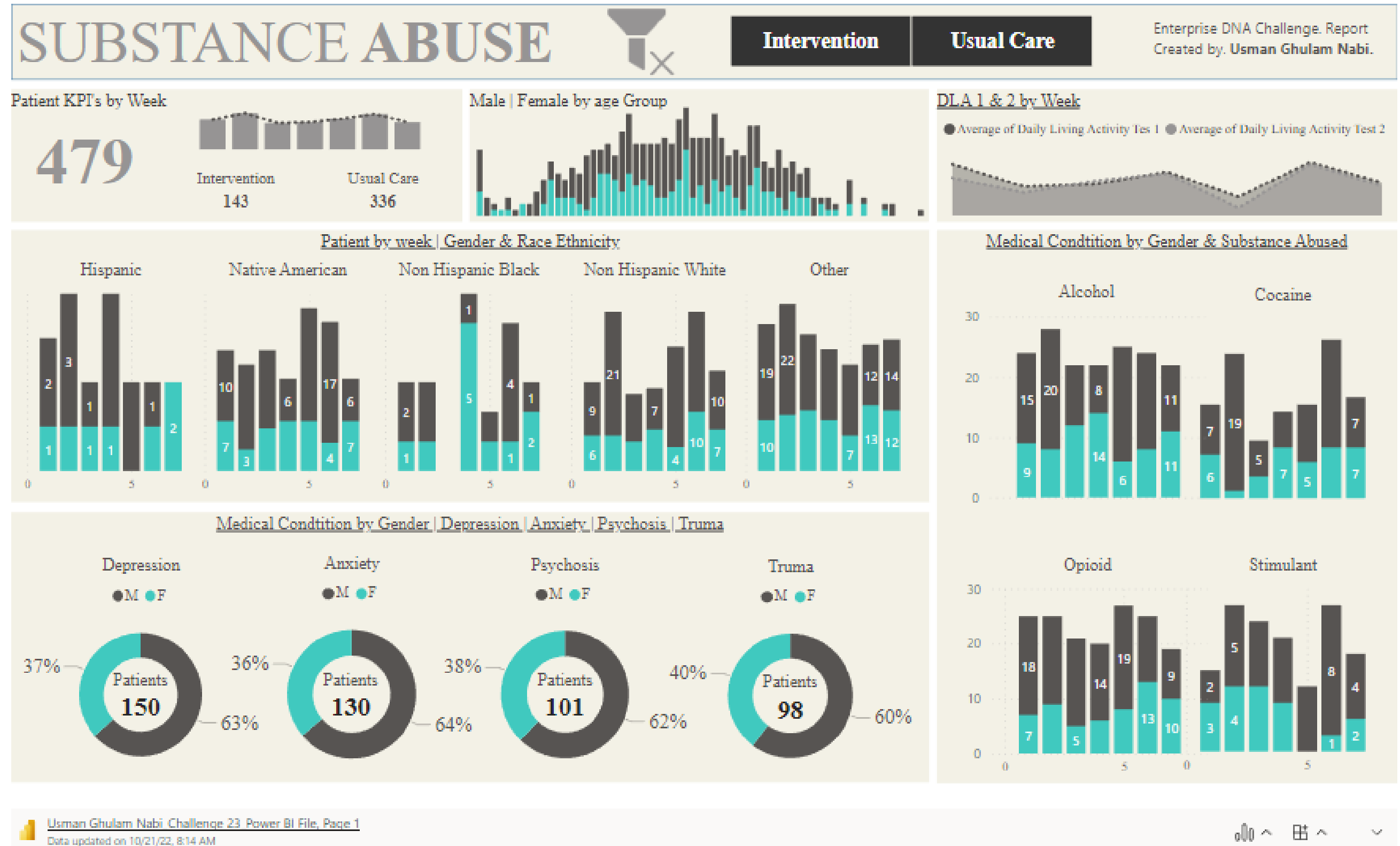
Wan Teck

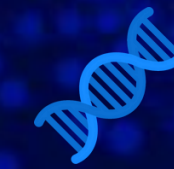
"I'm happy to submit my Enterprise DNA Challenge report. Very interesting dataset. I hope you like my report!"



Usman Ghulam Nabi

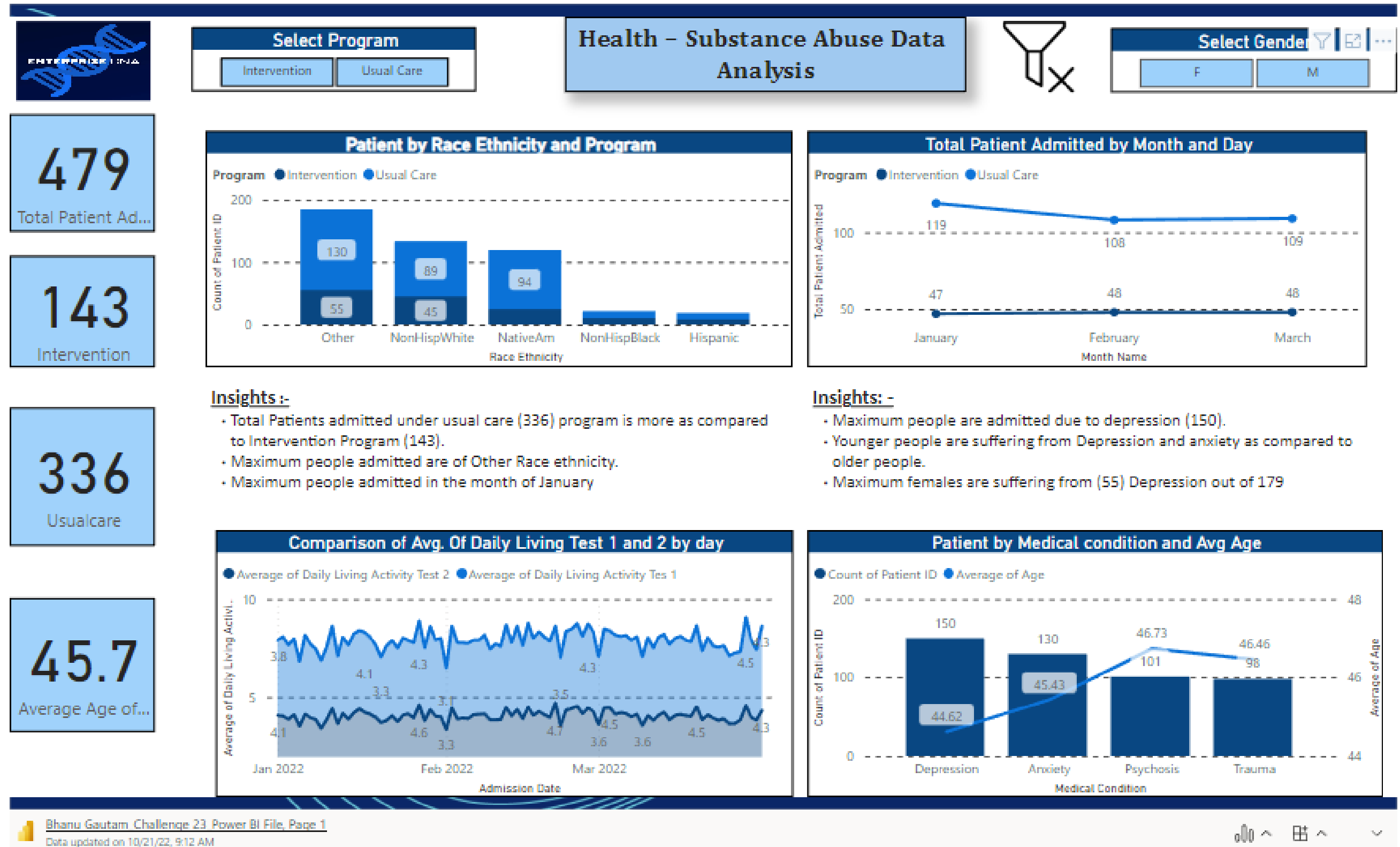
" I have accepted Enterprise DNA Challenge 23 " Health-Substance Abuse Data Analysis. This is my first submission to the Enterprise DNA challenge. The data set was small but unique and full of insights. I personally tried to present it in a bit different style than my other reports/dashboards."





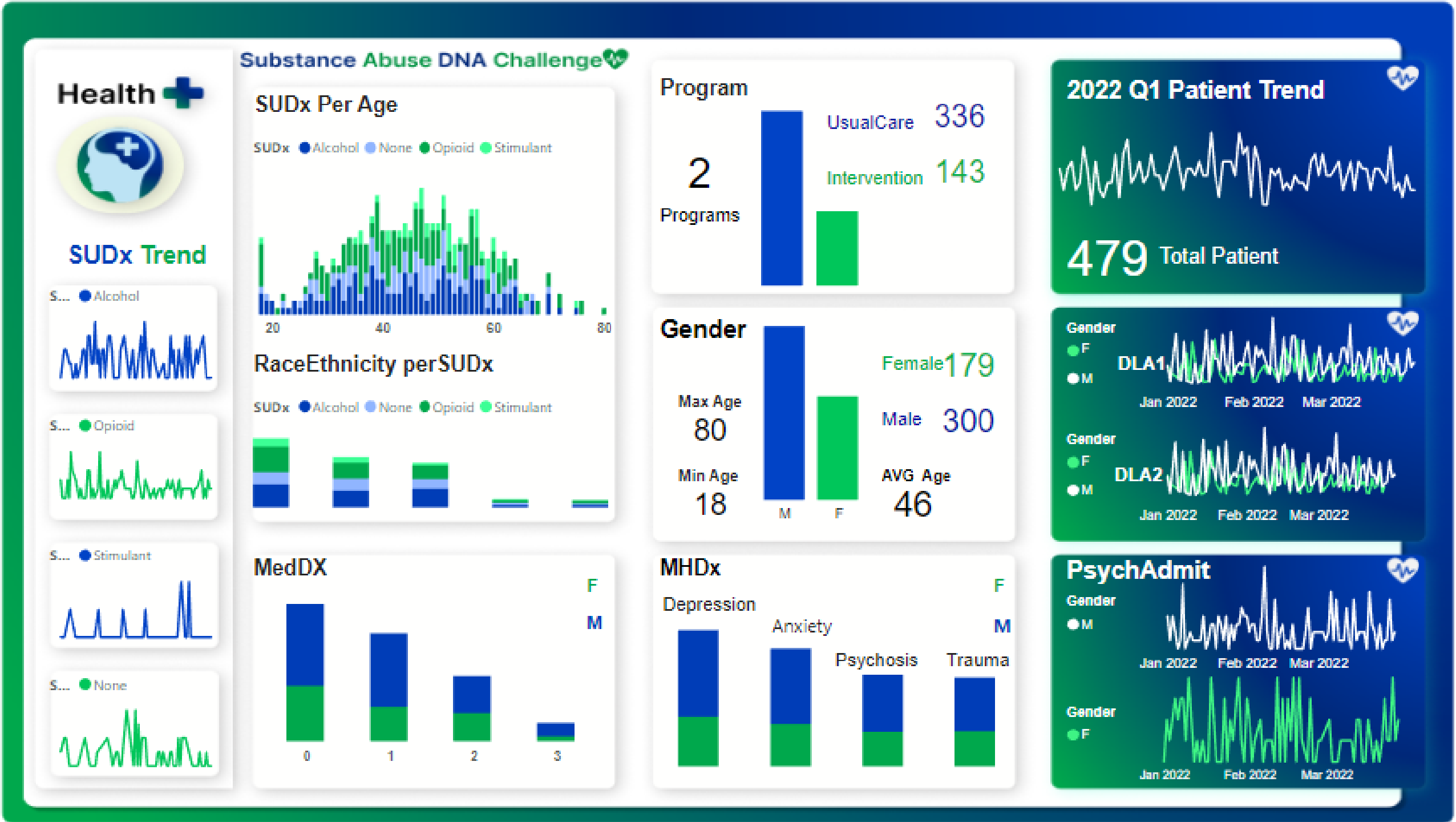
Bhanu Gautam

"I have accepted Enterprise DNA Challenge 23 " Health-Substance Abuse Data Analysis. This is my first submission to the Enterprise DNA challenge. I hope you like it"



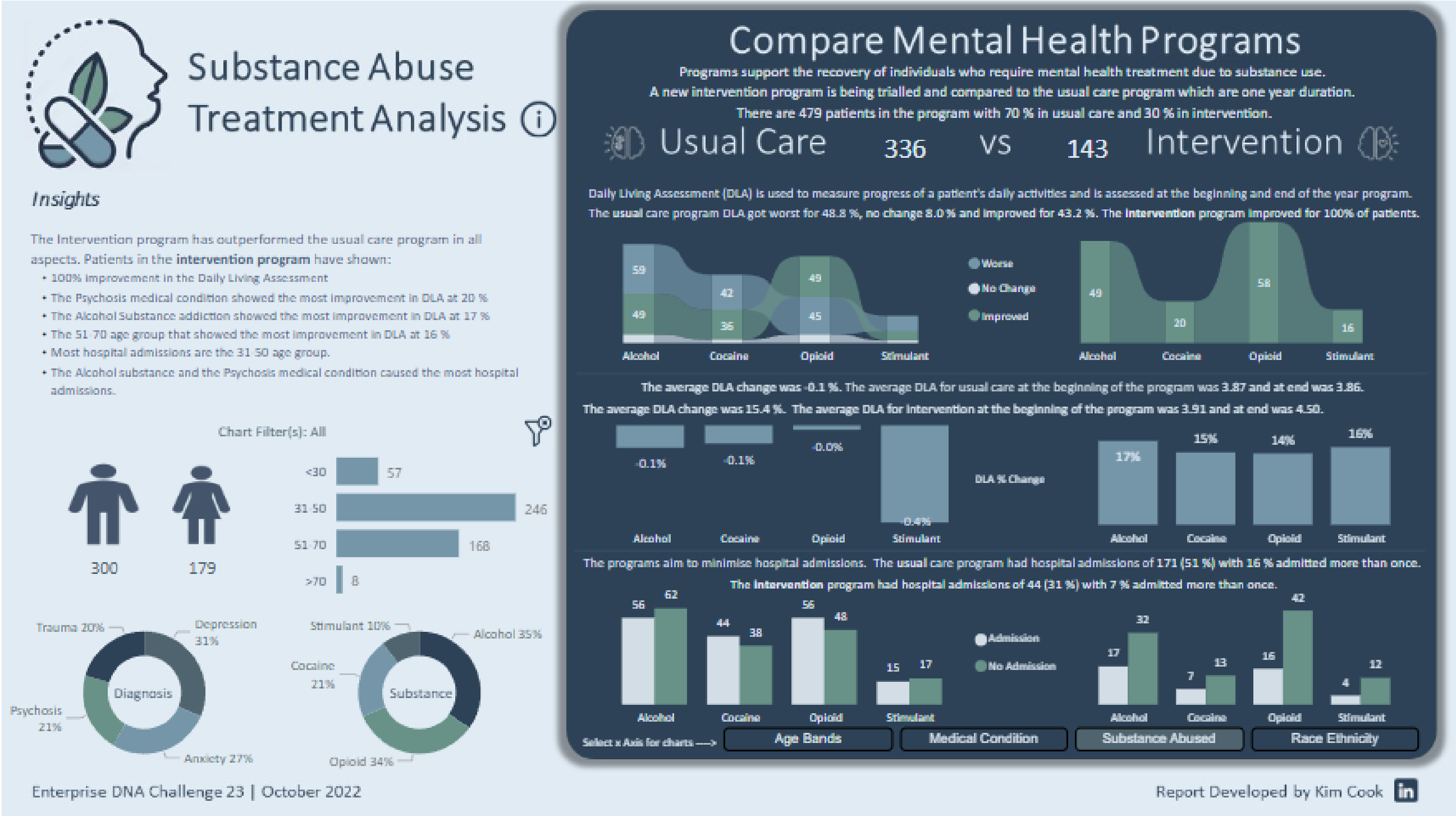
Chawki Hazam

" Je vous prie de bien vouloir trouver en attachement ma modeste. Participation à la 23e édition relative au Challenge de l'Entreprise DNA . Merci @Federico Pastor pour cette opportunité. "



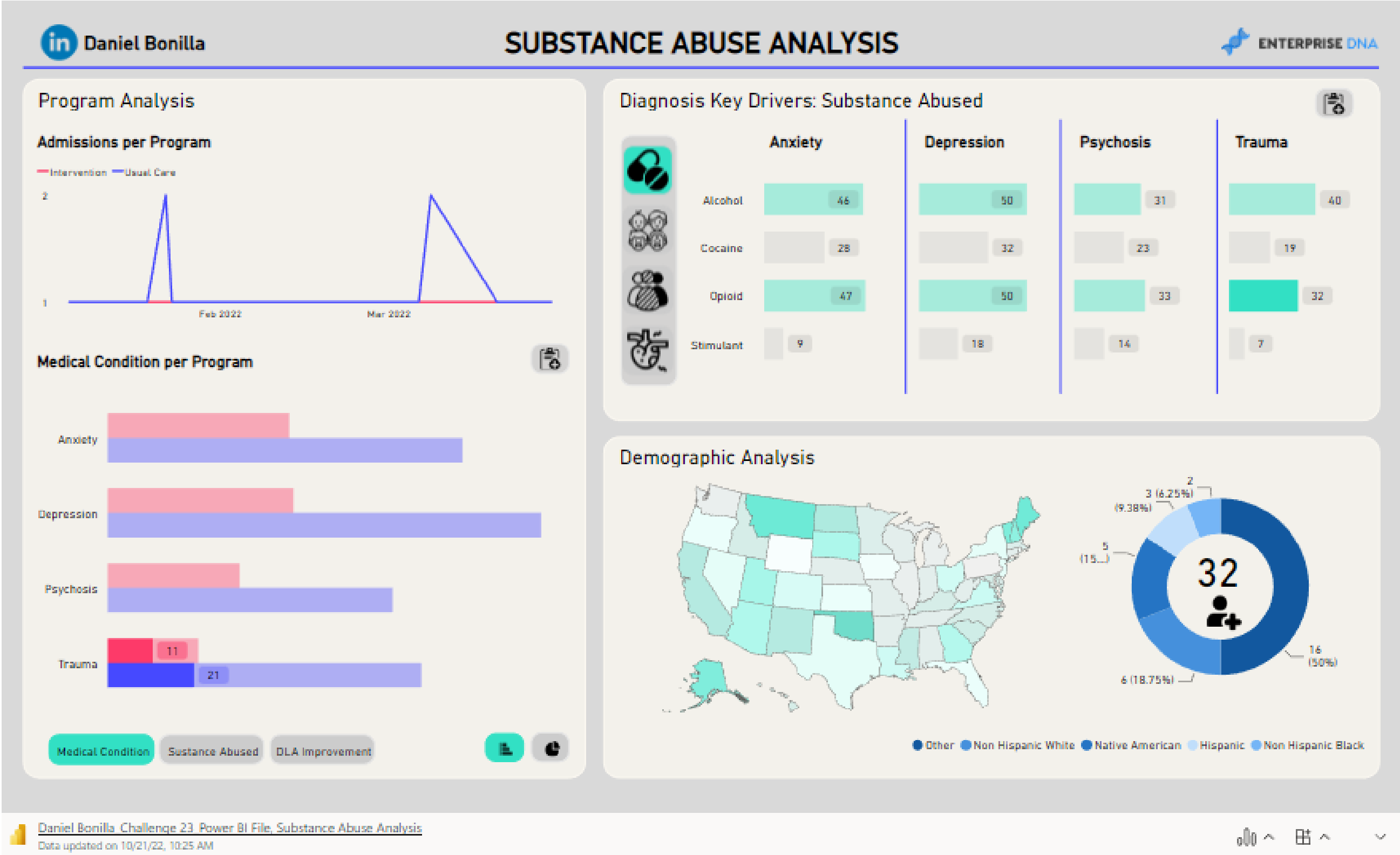
Kim Cook

"Please find my entry for the EDNA Challenge 23. I love the dataset. I hope you like my report."



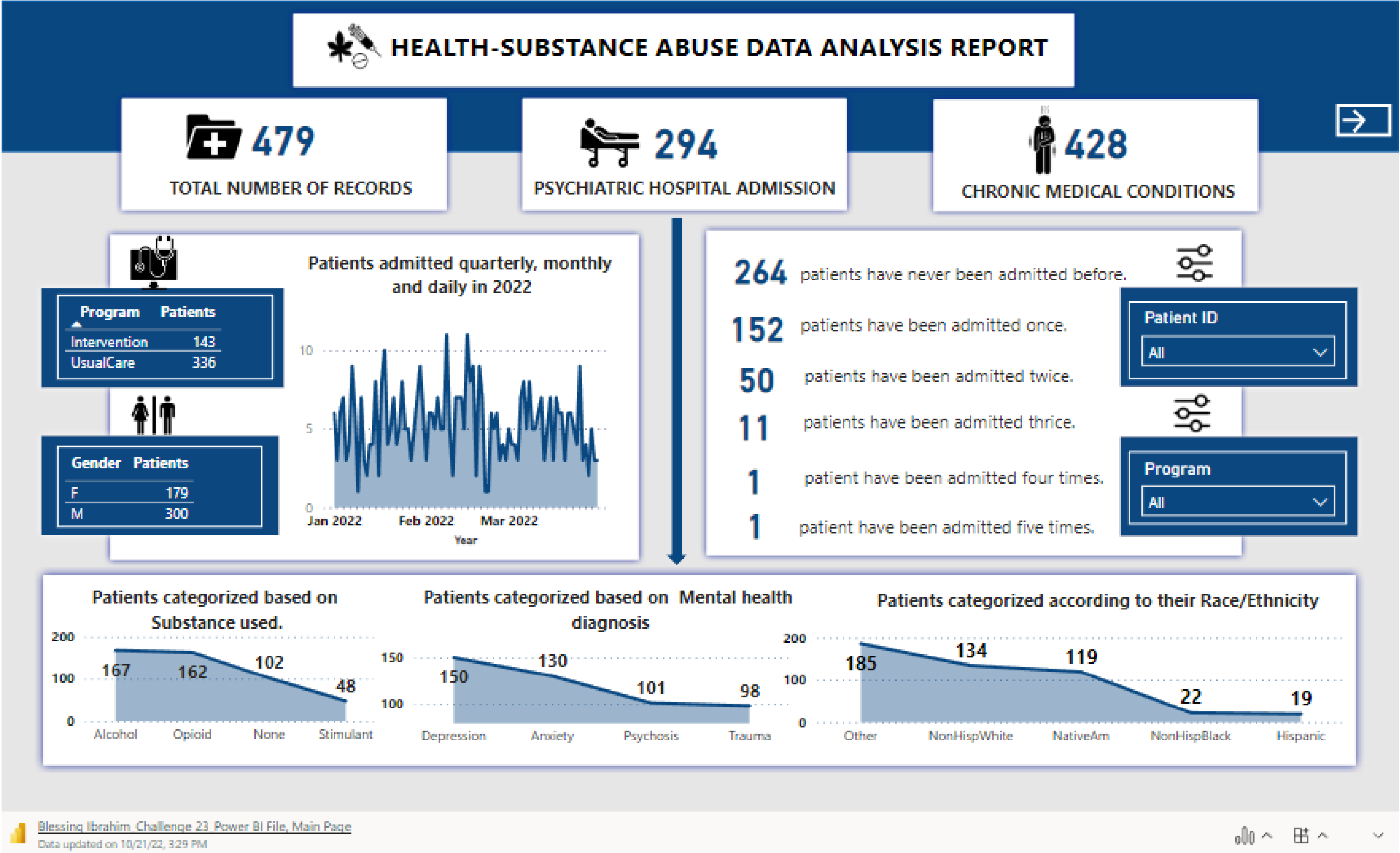
Daniel Bonilla

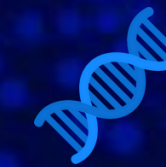
"Please find my entry for the EDNA Challenge 23. This is first time entering an EDNA challenge. I love the dataset. I hope you like my report."



Blessing Ibrahim

"Please find my entry for the EDNA Challenge 23. This is firs time entering an EDNA challenge. I love the dataset. I hope you like my report."





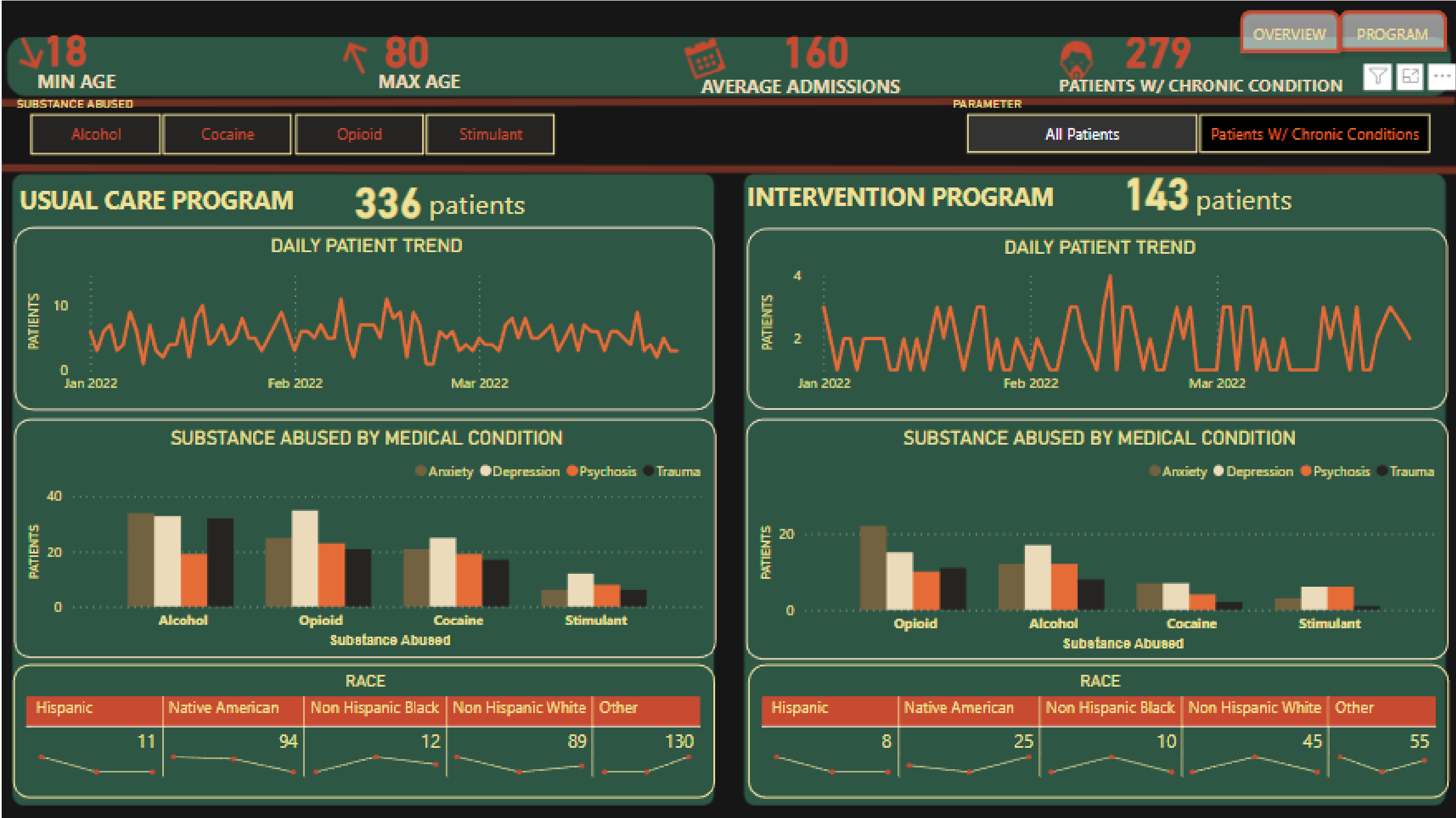
Sana Khatoon

"Please find my entry for the EDNA Challenge 23. This is first time entering an EDNA challenge. The dataset is small but very interesting. I hope you like my report."



Kyei Baffour

"Please find my entry for the EDNA Challenge 23. This is first time entering an EDNA challenge. I hope you like my report."

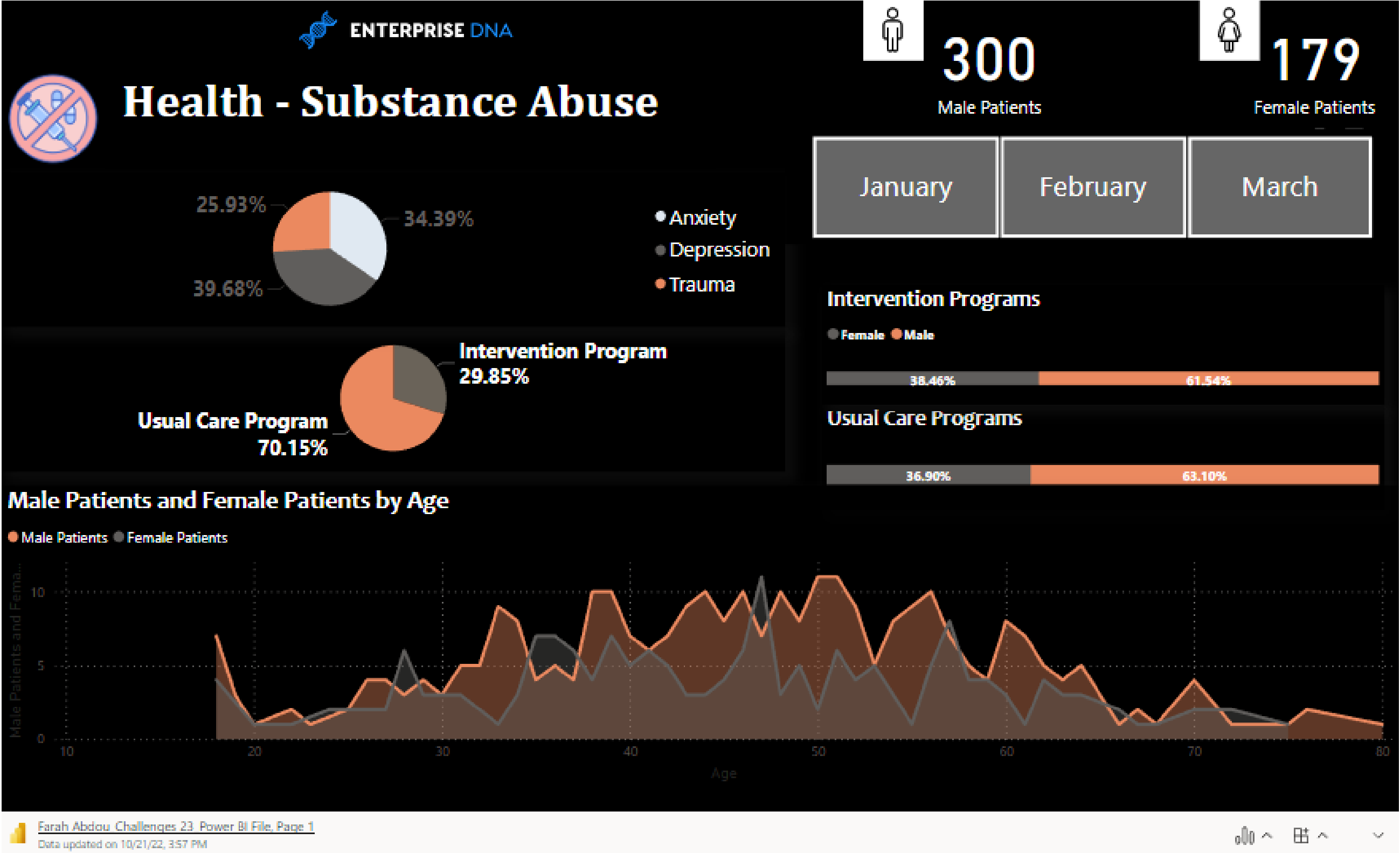


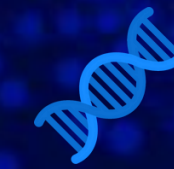
Kyei Baffour Challenge 23 Power BI File, PROGRAM
Data updated on 10/21/22, 3:48 PM



Farah Abdou

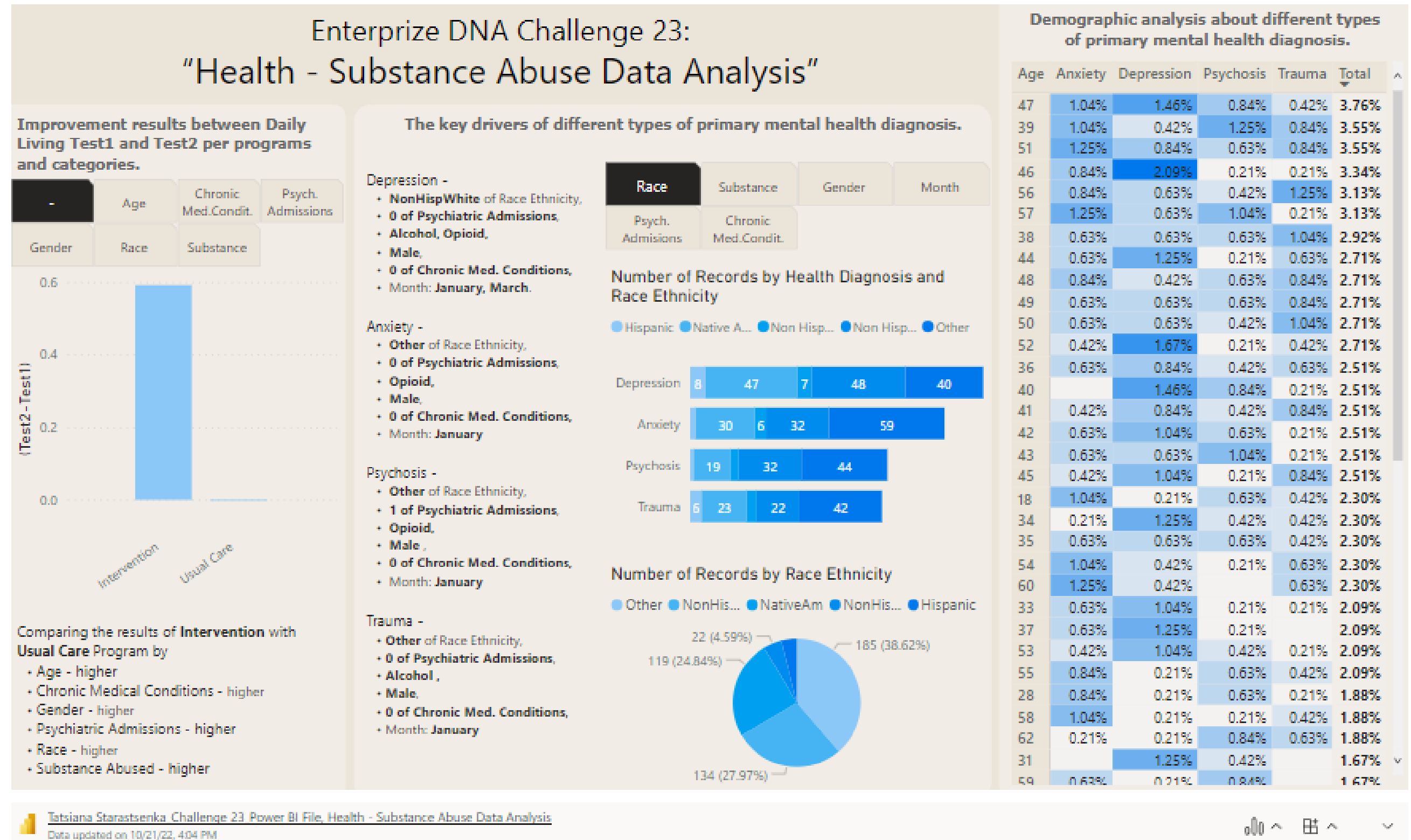
"Please find my entry for the EDNA Challenge 23. This is first time entering an EDNA challenge., I loved the dataset, I hope you like my report."





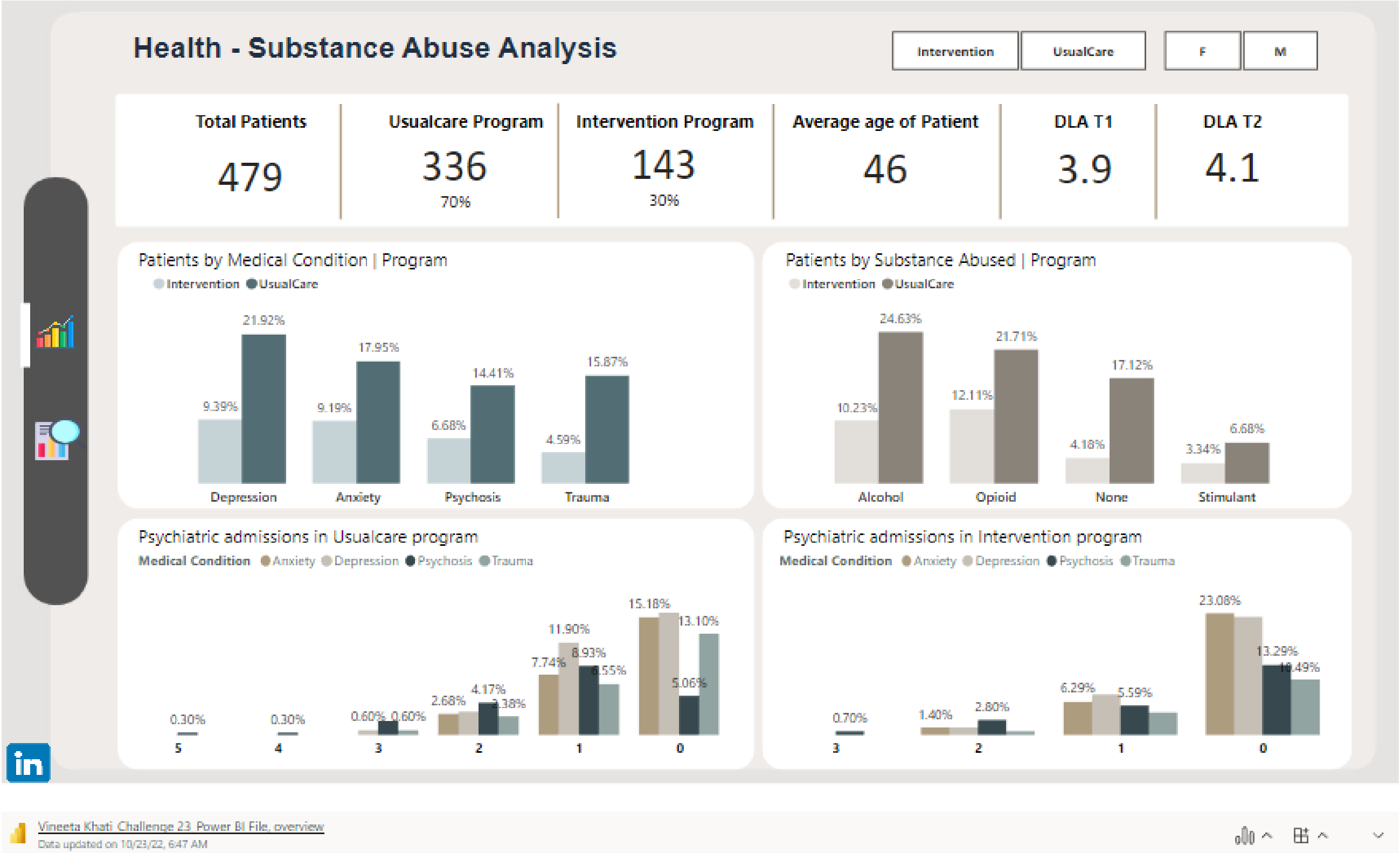
Tatsiana Starastsenka

"Which hospitalization program is better comparing the difference of Daily Living Test2 and Test1 between Intervention and Usual Care programs. As a result, we see strong improvements in patients at Intervention program. At the same time, the results of Test2 by Usual Care are remained practically unchanged."



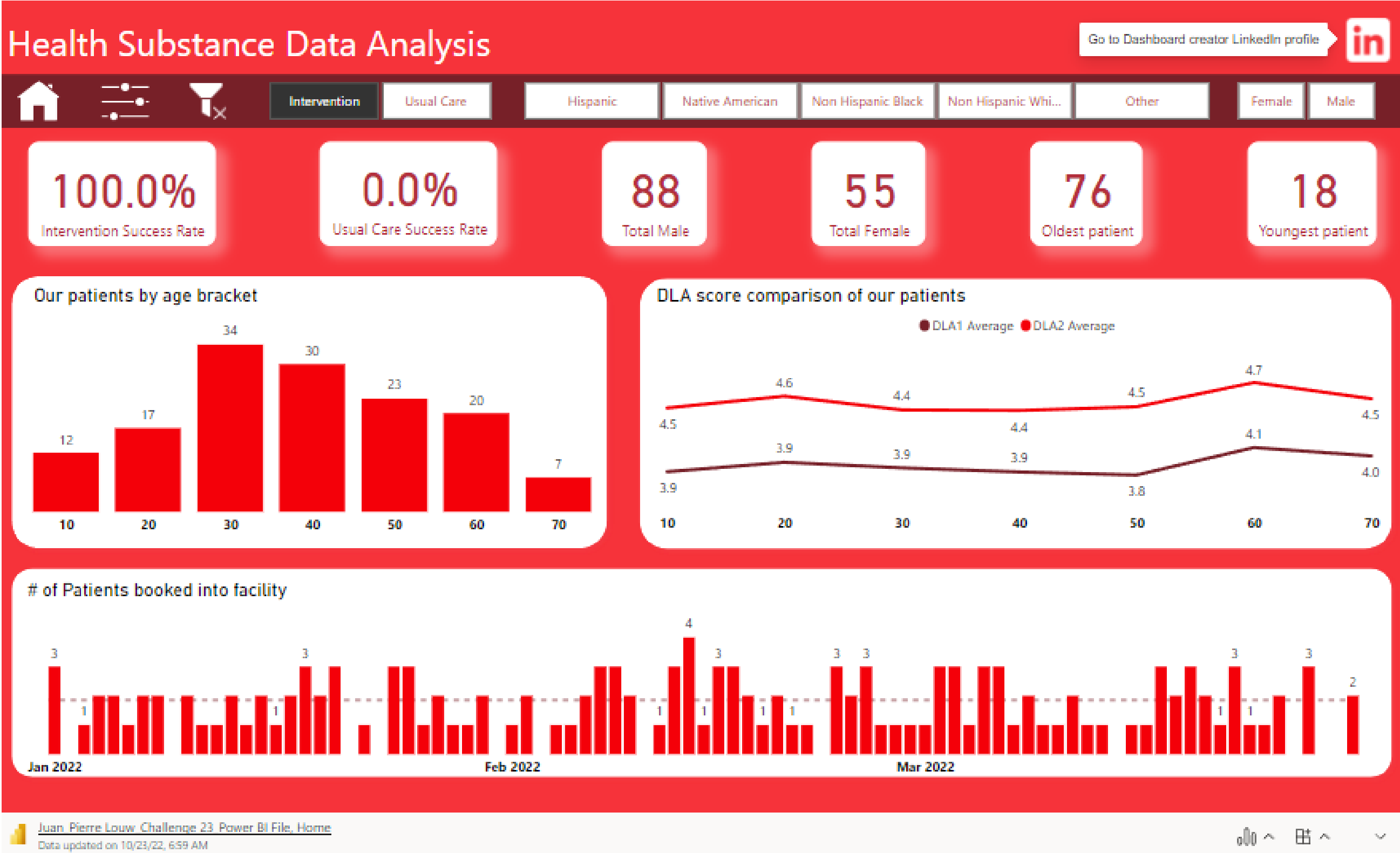
Vineeta Khatri

"Here is my submission to EDNA Health - substance abuse data analysis challenge. The data includes around 500 patients participating in mental health program. Two kind of programs one is Usual care program and Intervention program. I have tried to analyse the data according to the requirements given in the challenge."



Juan-Pierre Louw

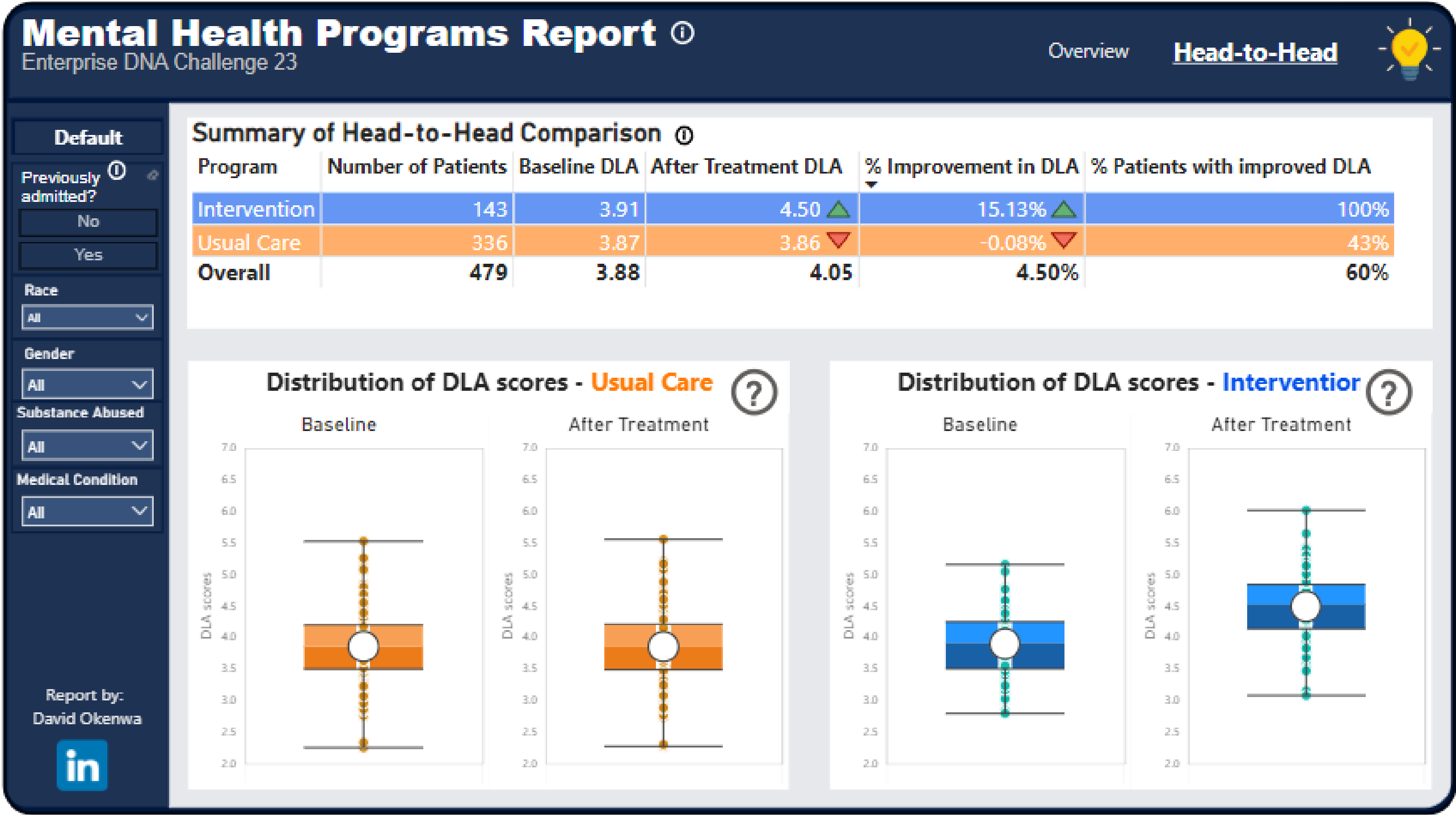
"Here is my submission to EDNA Health - substance abuse data analysis challenge. Dynamite comes in small packages- and this is true for this very small dataset, and on such an important topic which is more prevalent these days. I tried to stick to the basics with no “fancy analysis”, just the key detail with some recommendations.”





David Okenwa

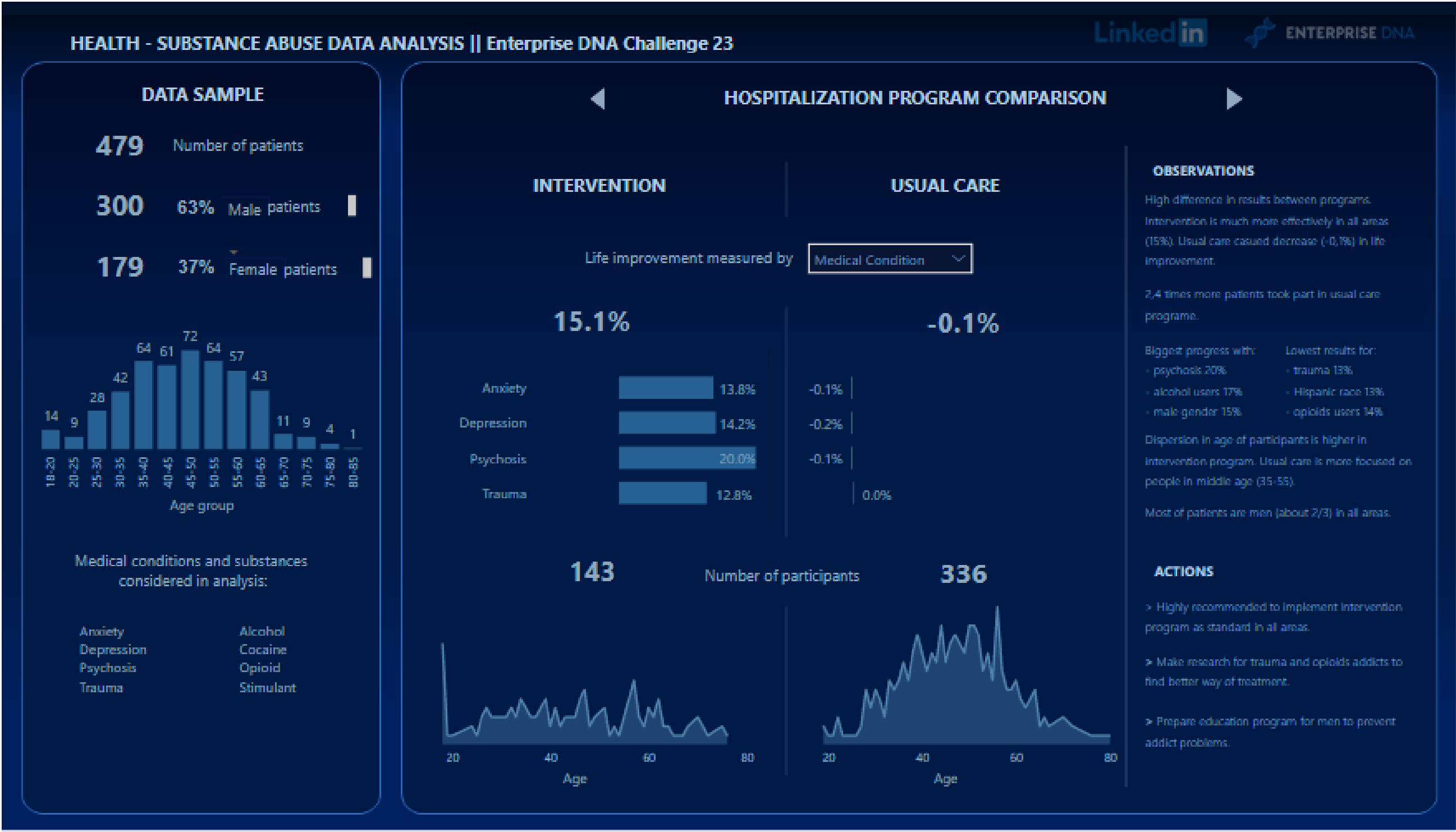
" Attached is my submission to the Enterprise DNA challenge 23 on Substance Abuse and Mental Health. Thank you for the wonderful dataset and brief ."





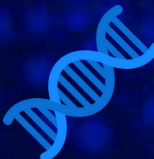
Karol Jachyra

"Attached is my submission to the Enterprise DNA challenge 23 on Substance Abuse and Mental Health. Thank you for the wonderful dataset and brief. I hope you like it."



Karol Jachyra Challenge 23 Power BI File, Program comparison
Data updated on 10/23/22, 7:26 AM





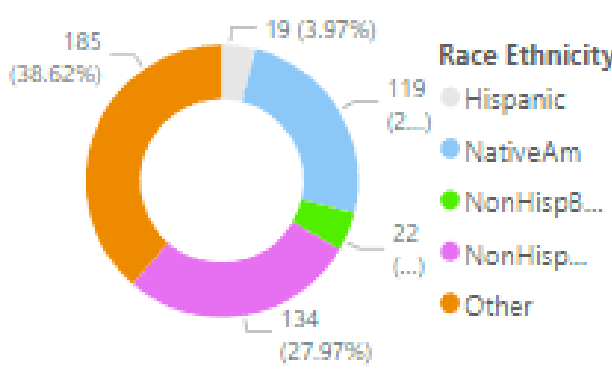
Timoumi Raouf

"This is my primary trial reporting dealing with the challenge of data visualization about substance abuse analysis. Looking further for all additional advice to improve and generate better results and contributions. I hope you like it."

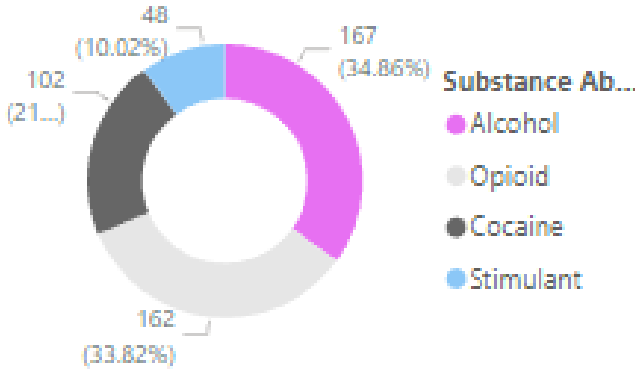
Health – Substance Abuse Data Analysis

- Race Ethnicity (F)
 - Hispanic
 - Native American
 - Non Hispanic Black
 - Non Hispanic White
 - Other
- Gender (F)
 - Female
 - Male
- Medical Condition
 - Anxiety
 - Depression
 - Psychosis
 - Trauma
- Program
 - Intervention
 - Usual Care
- Substance Abused
 - Alcohol
 - Cocaine
 - Opioid
 - Stimulant

Number of Records by Race Ethnicity



Number of Records by Substance Abused

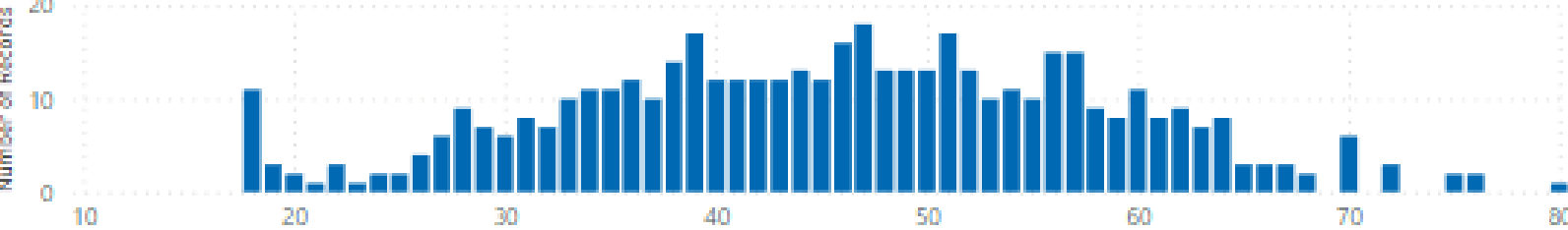


479
Number of Records

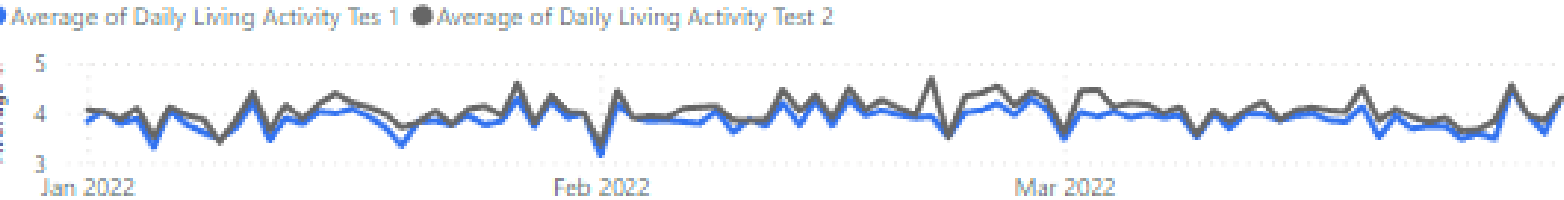
Number of Records by Date

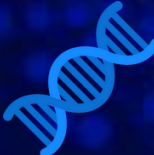


Number of Records by Age



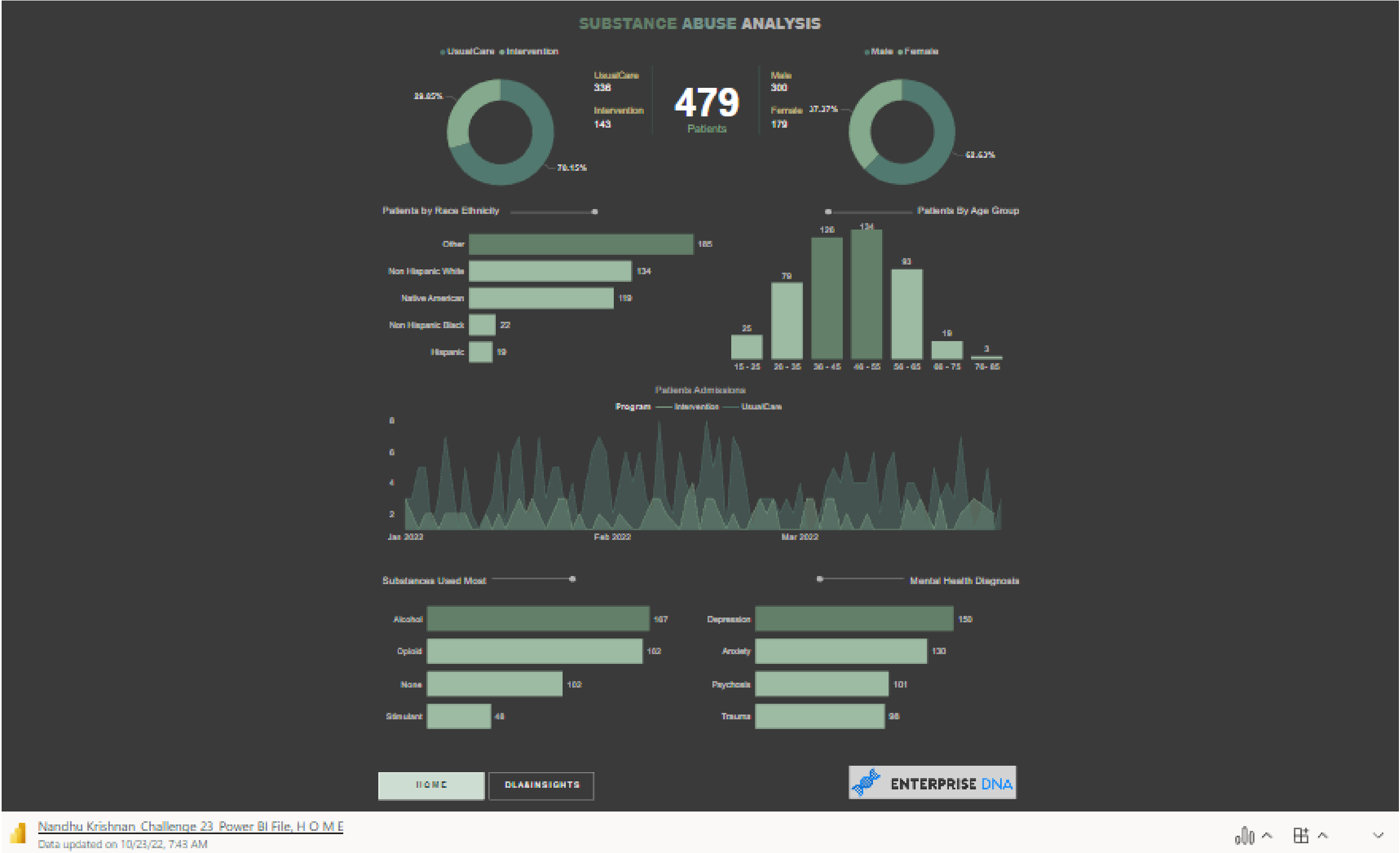
Average of Daily Living Activity Tes 1 and Average of Daily Living Activity Test 2 by Date





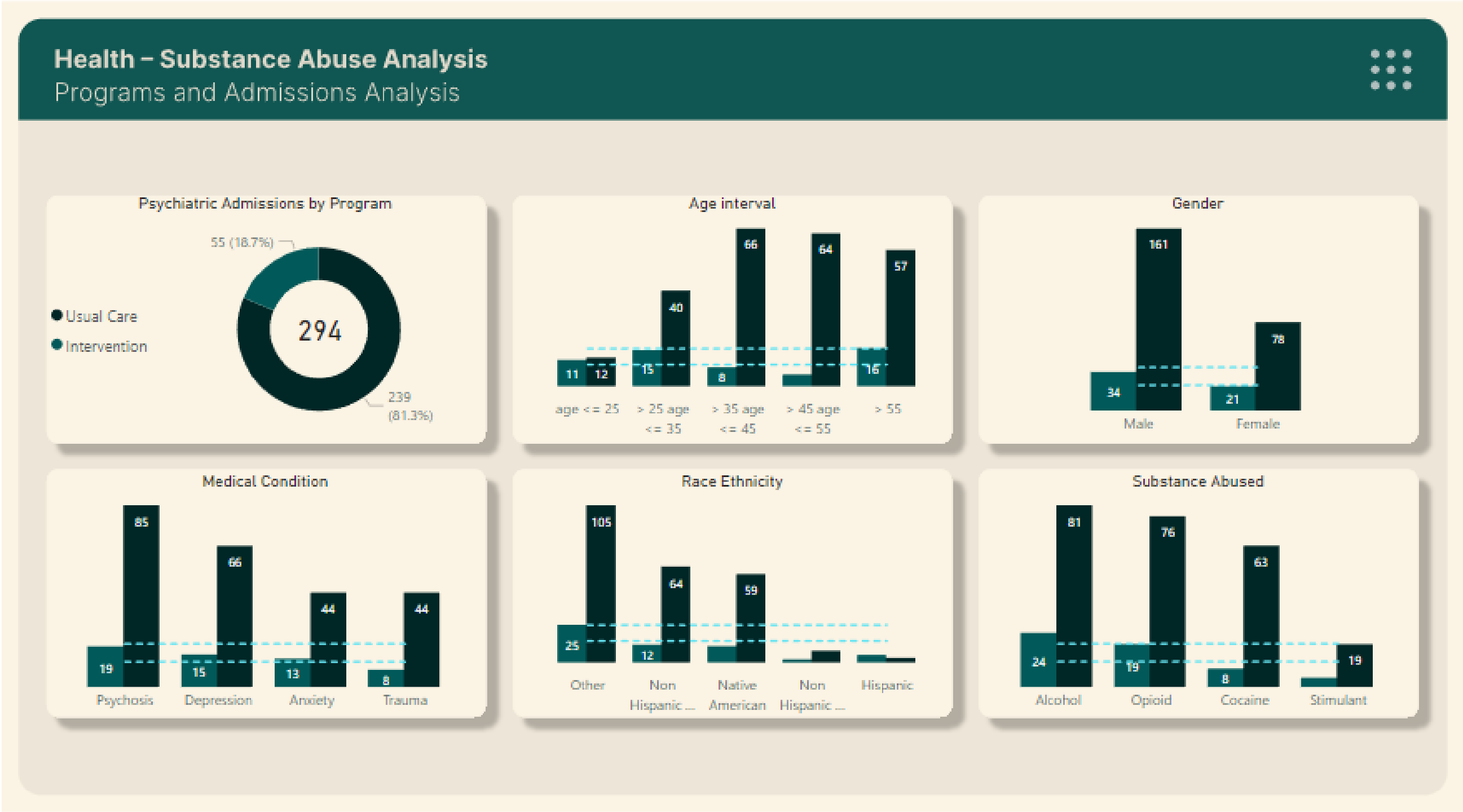
Nandhu Krishnan

"This is my entry for challenge 23 about data visualization and substance abuse analysis. Looking further for all additional advice to improve and generate better results and contributions. I hope you like it."



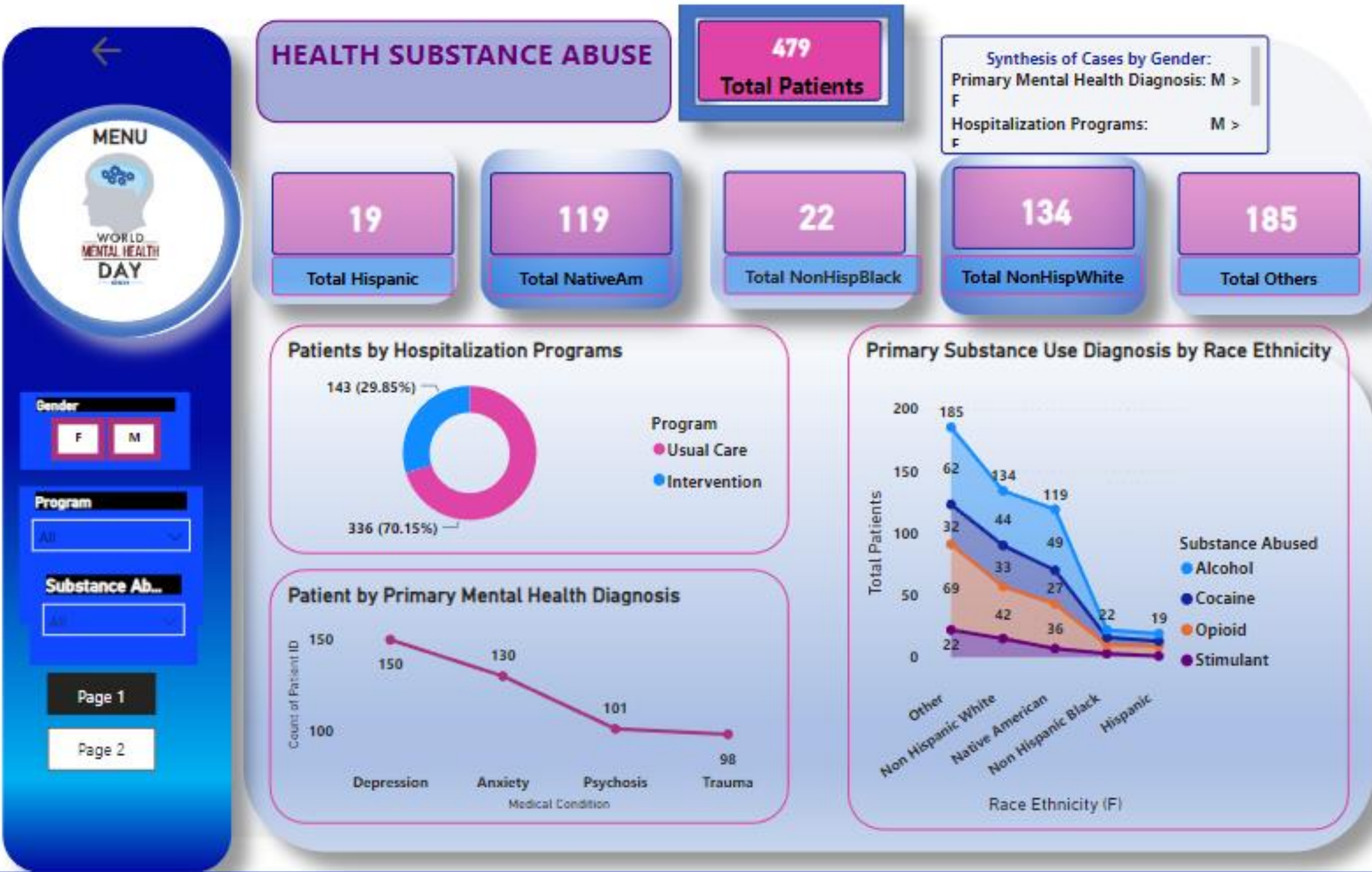
Angelo Assis

"This is my entry for challenge 23 about data visualization and substance abuse analysis. This is my proposal. I hope you like it."



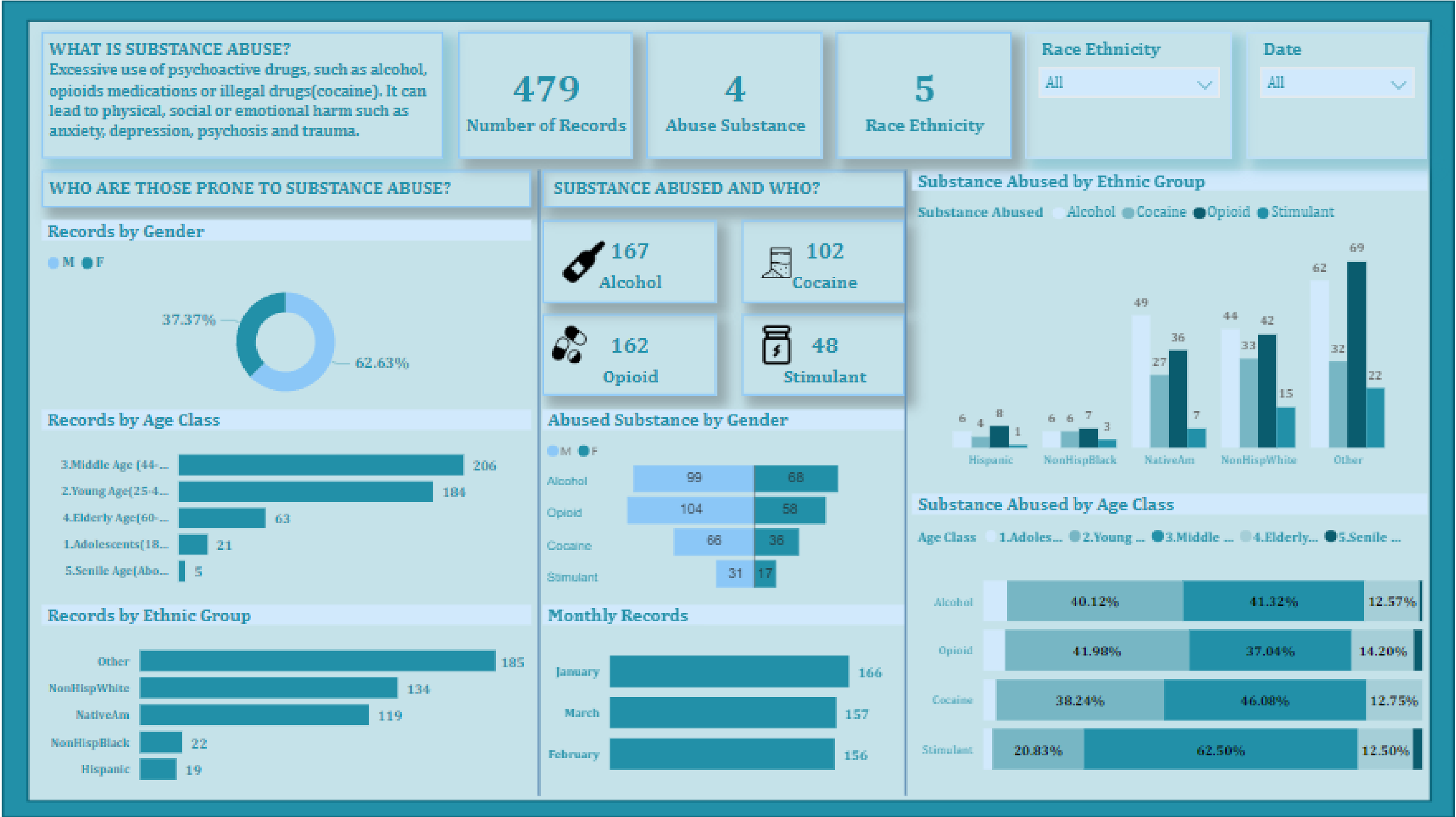
Gabriela Rojas

“This my entry for Challenge 23. Excellent opportunity to learn to: analyse data, create measurements and represent them graphically. I hope you like it.”



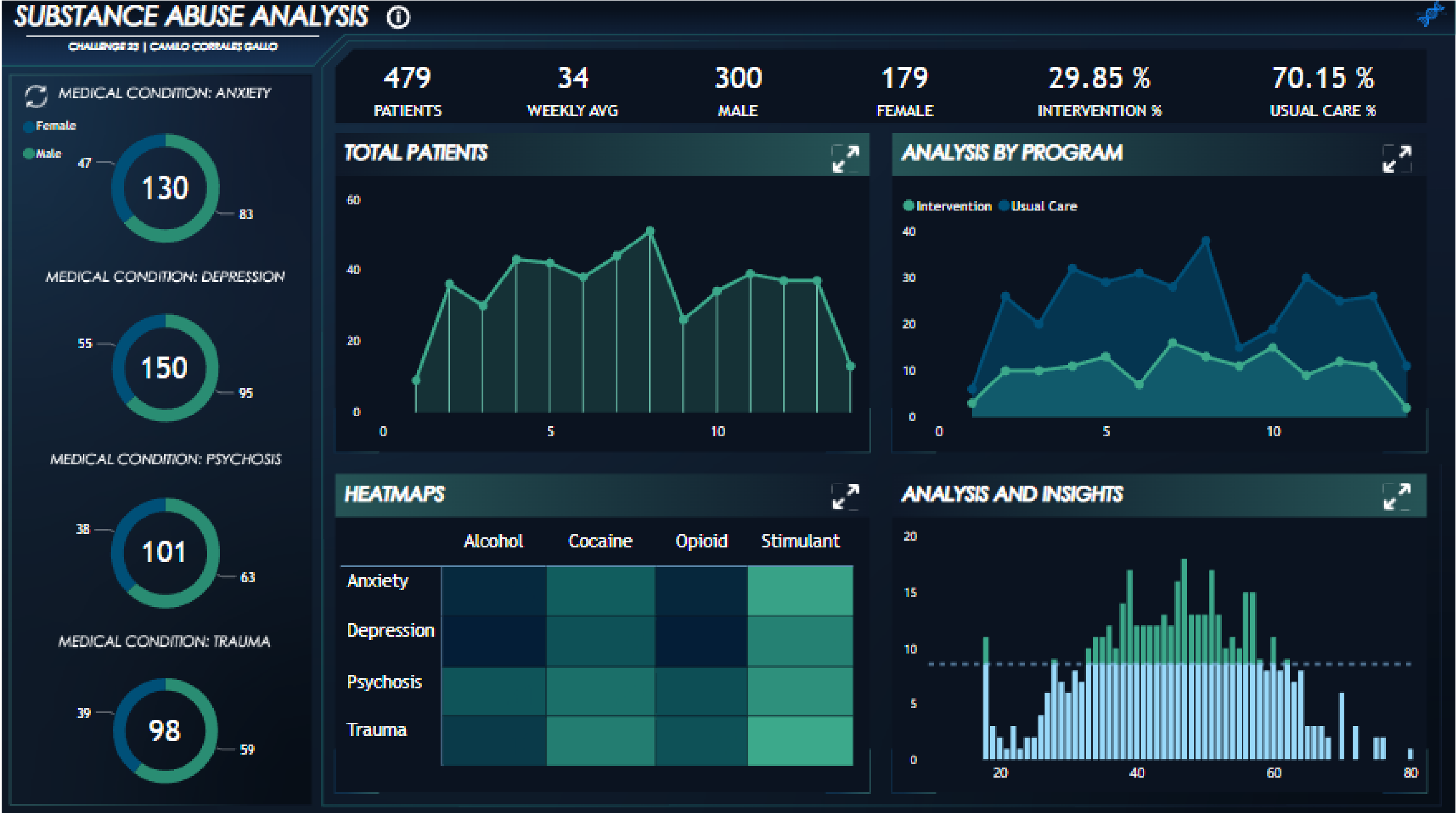
Okeh D Efasa

“This is my first Challenge with Enterprise DNA and as a Pharmacist, it was quite interesting and insightful. Thank you very much Enterprise DNA. I hope you like it.”



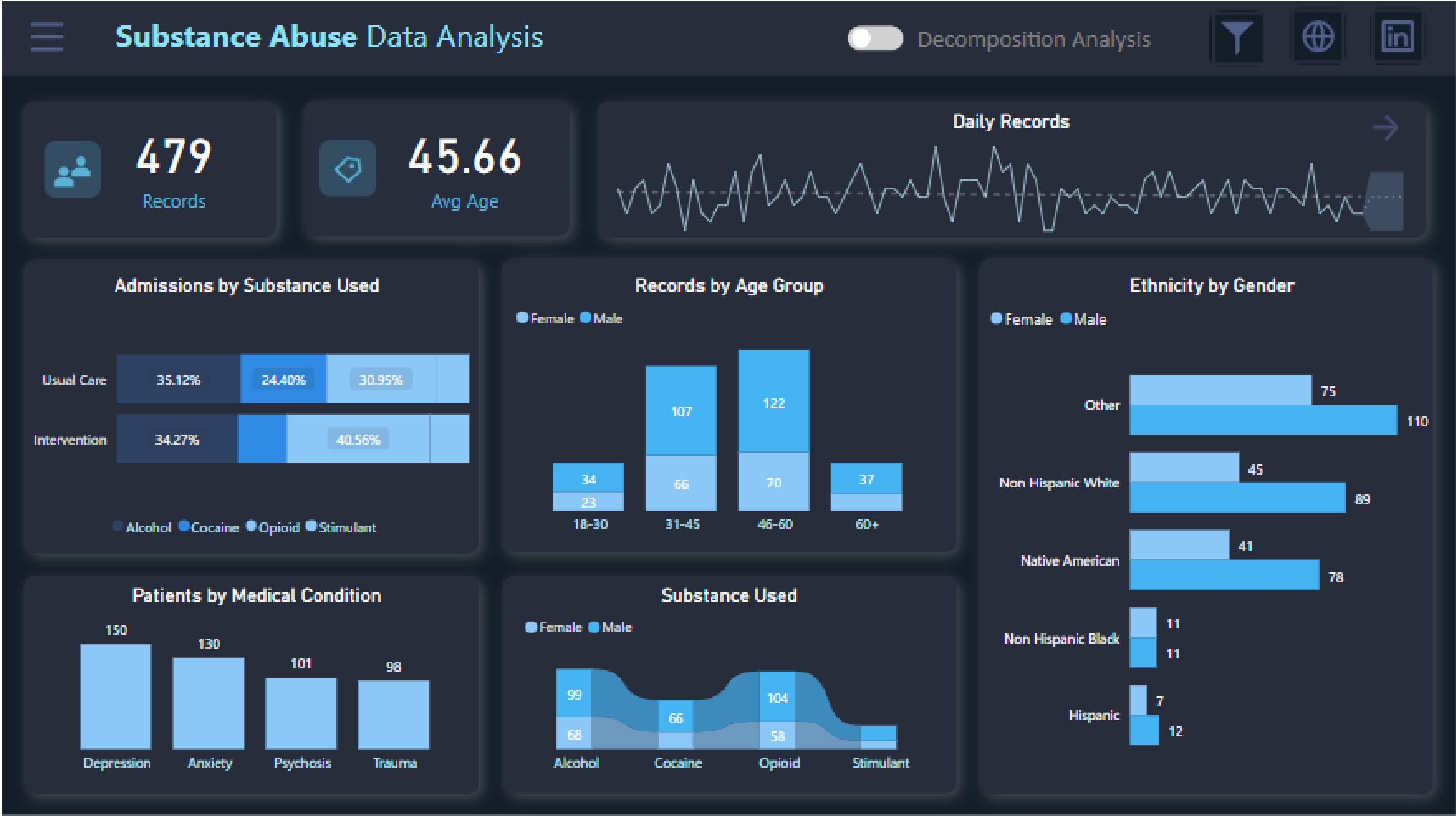
Camilo Corrales

“For this challenge I opted to choose a section-oriented approach, each one in the report is designed to analyse the data from a specific perspective, limiting the number of visuals available to the user on the home screen, but allowing them to expand the visualizations according to their curiosity.”



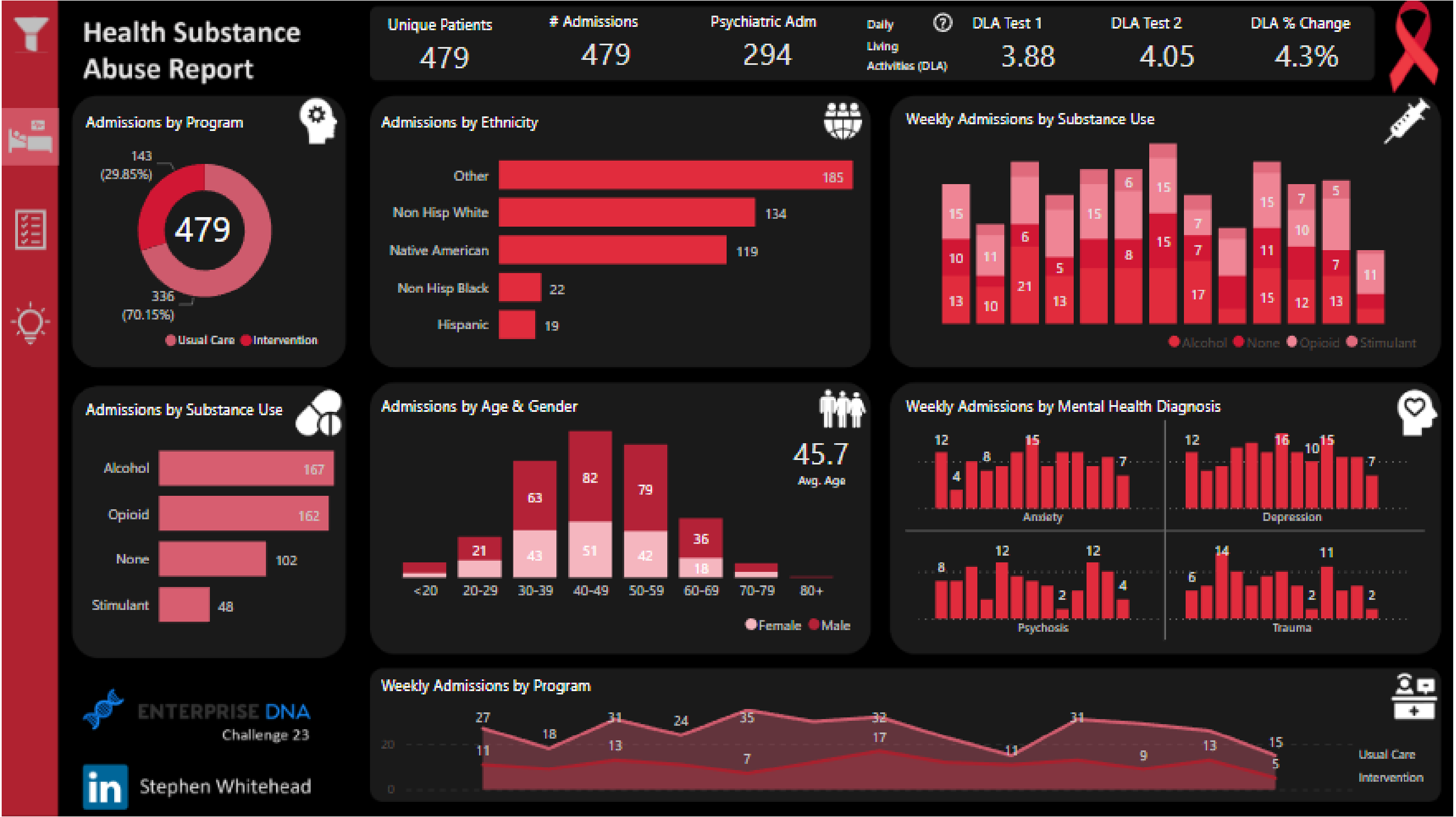
Mixalis Maillis

“I chose to limit the user's access to pages on the home screen for this challenge. These issues were attempted to be addressed:
1. Evaluation of various hospitalization plans.
2. The main causes of several primary mental health diagnoses.
3. Analysis of the demographics surrounding several primary mental health diagnoses.”



Stephen Whitehead

“I accepted the Enterprise DNA challenge for the first time. Please see my entry for the Challenge 23 - Health & Substance Abuse Report Analysis. I decided to use the colour scheme from the Substance Abuse Awareness ribbon, shown in the top right corner. I hope you like it.”



Stephen Whitehead_Challenge 23_Power BI File_Admission
Data updated on 10/24/22, 8:46 AM

Maja Spanic

“I accepted the Enterprise DNA. Please see my entry for the Challenge 23 - Health & Substance Abuse Report Analysis. I hope you like it.”



Donal Ebube

“This is my first challenge with Enterprise DNA. The dataset was both informative and fascinating. As a result of this analysis, I was able to address the following concerns:

1. Examination of different age groups in relation to the primary mental health diagnosis.
2. An analysis and evaluation of the two hospitalization programs.”

SUBSTANCE ABUSE ANALYSIS



by Donald Ebube - Data Analyst

479

No. of Patients

300

No. of Males

179

No. of Females

143

Intervention Cases

336

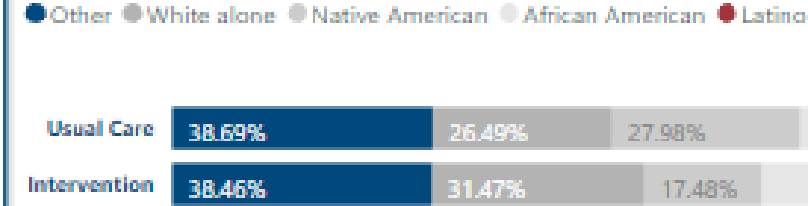
Usual Care Cases

Patients by Program

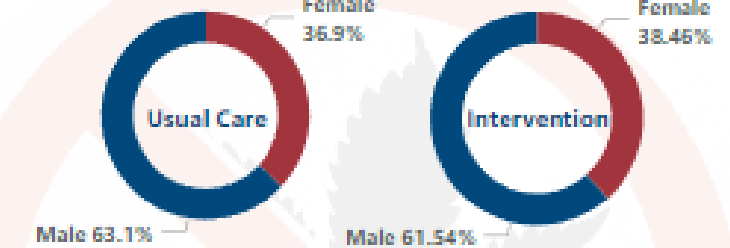
Select all Intervention Usual Care

Click on the arrow to go to the next page →

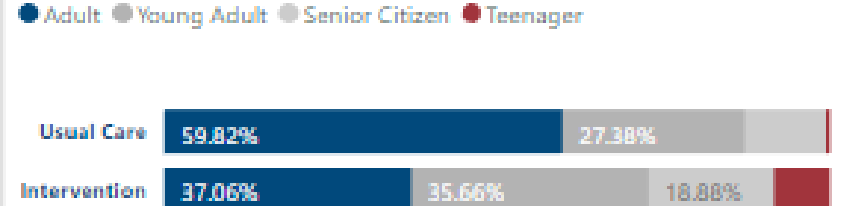
Program by Race Ethnicity



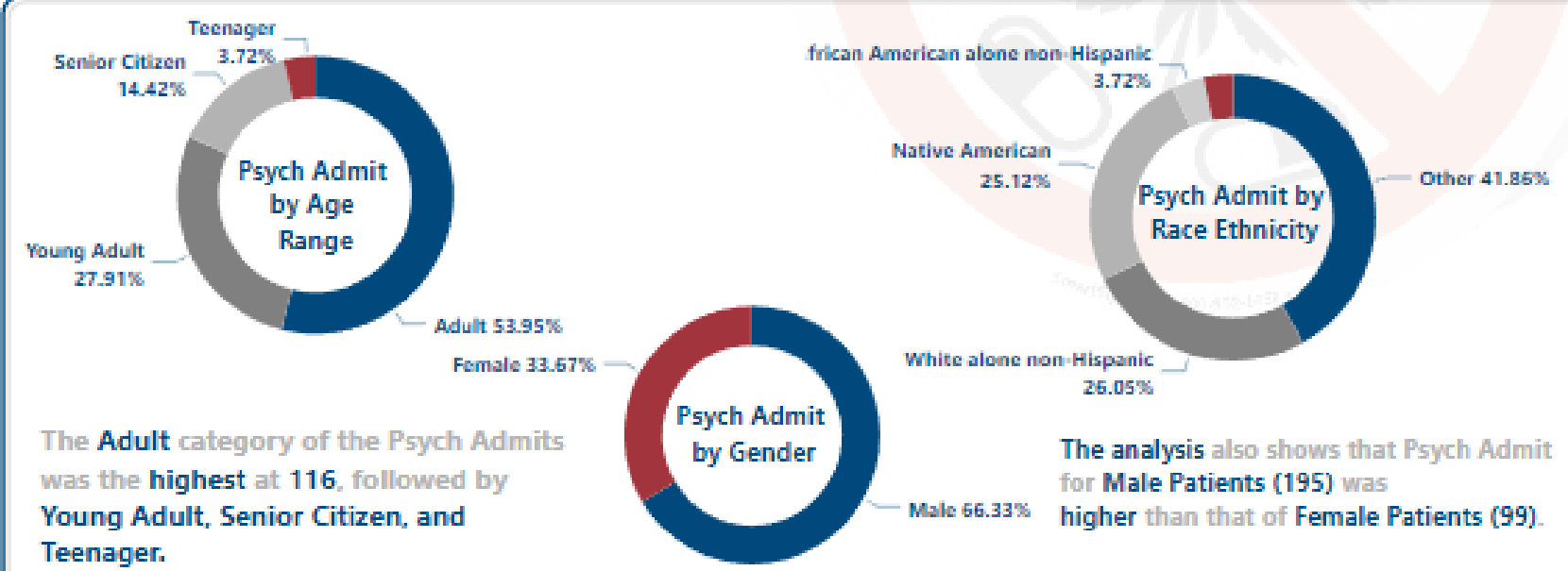
Program by Gender



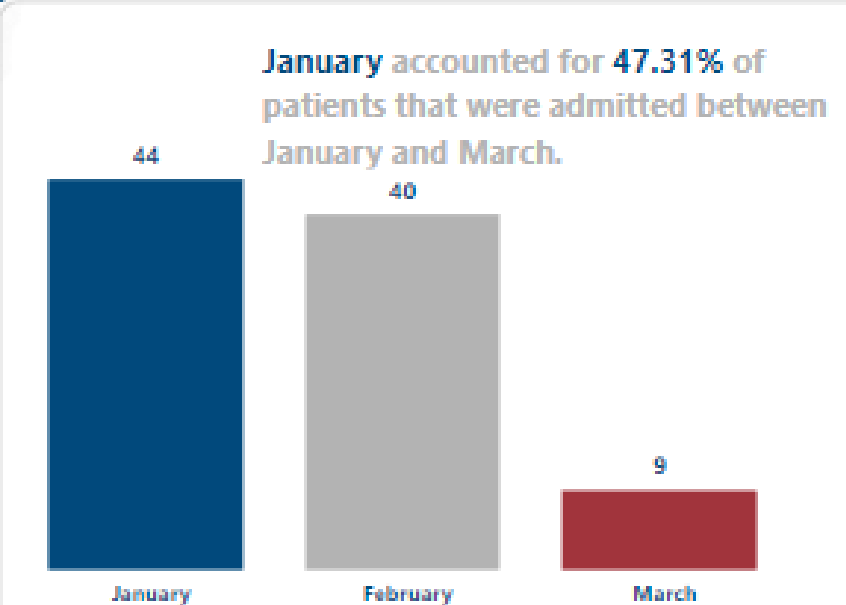
Program by Age



Patients by Psych Admit

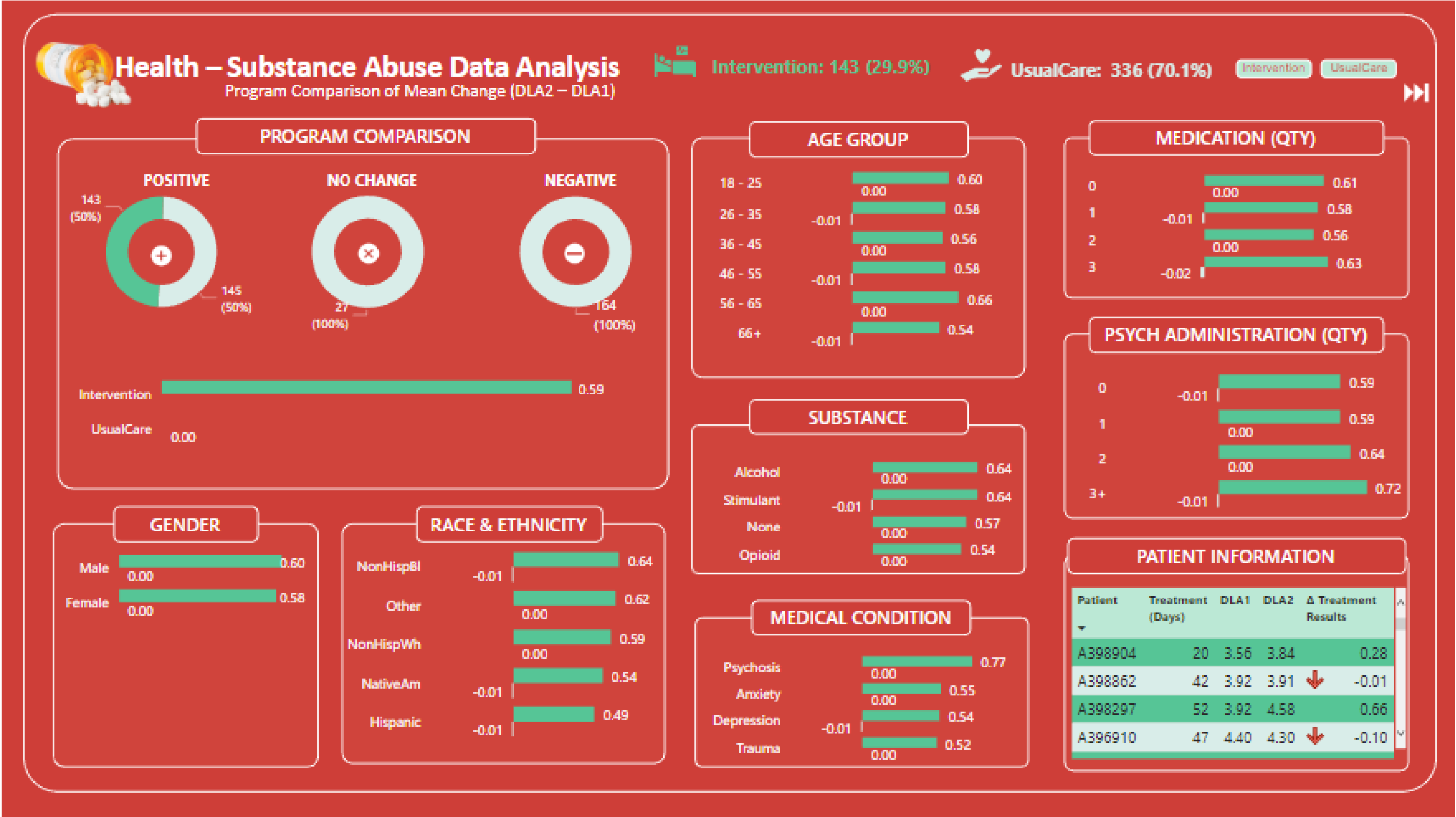


Highest Admission Count



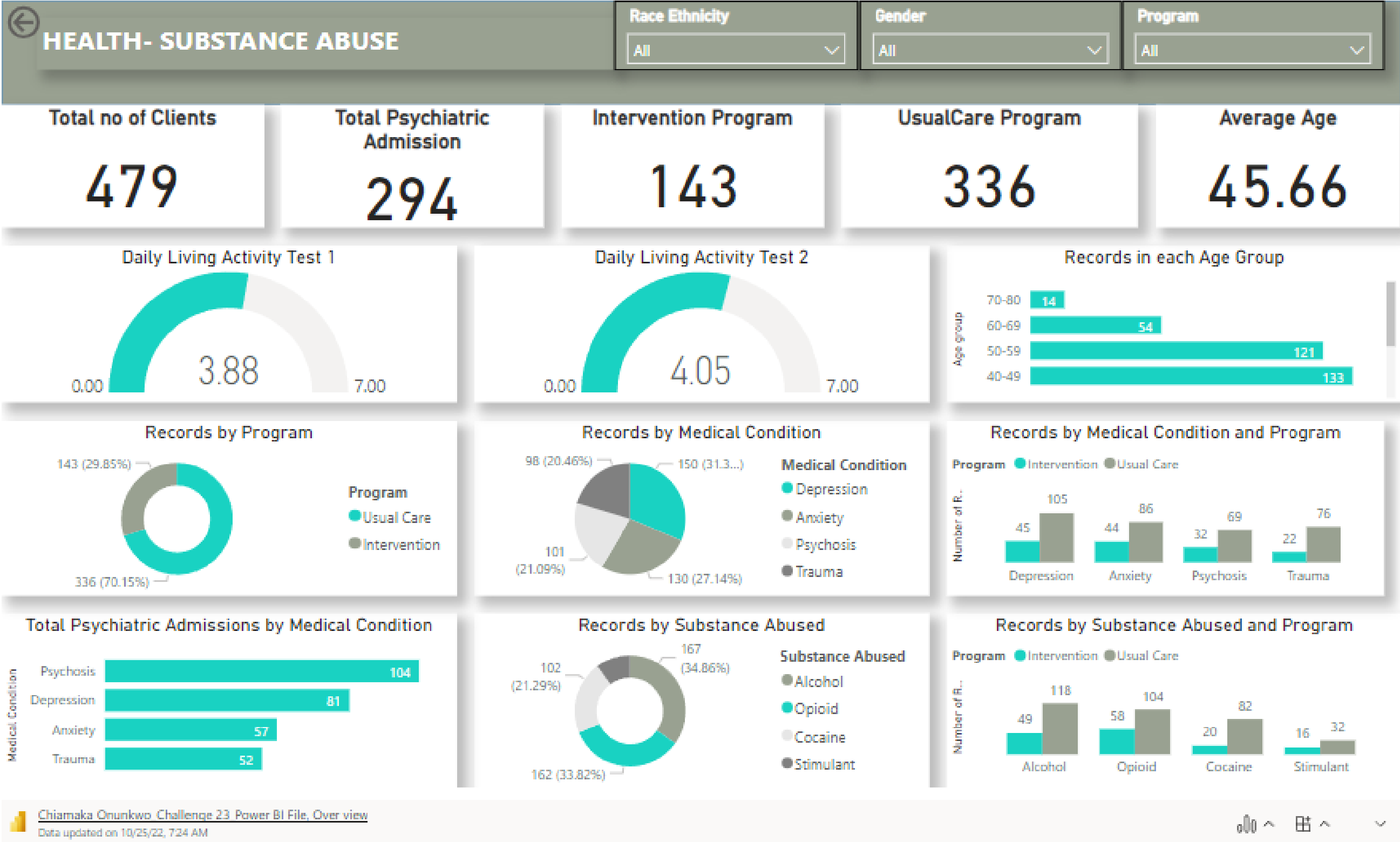
Vera Ambrosio

“This is my entry for challenge with Enterprise DNA. The dataset was both informative and fascinating. I took the opportunity to learn more about Charticulator and use it on the charts when hovering over the standard Power BI visuals. I hope you like my report.”



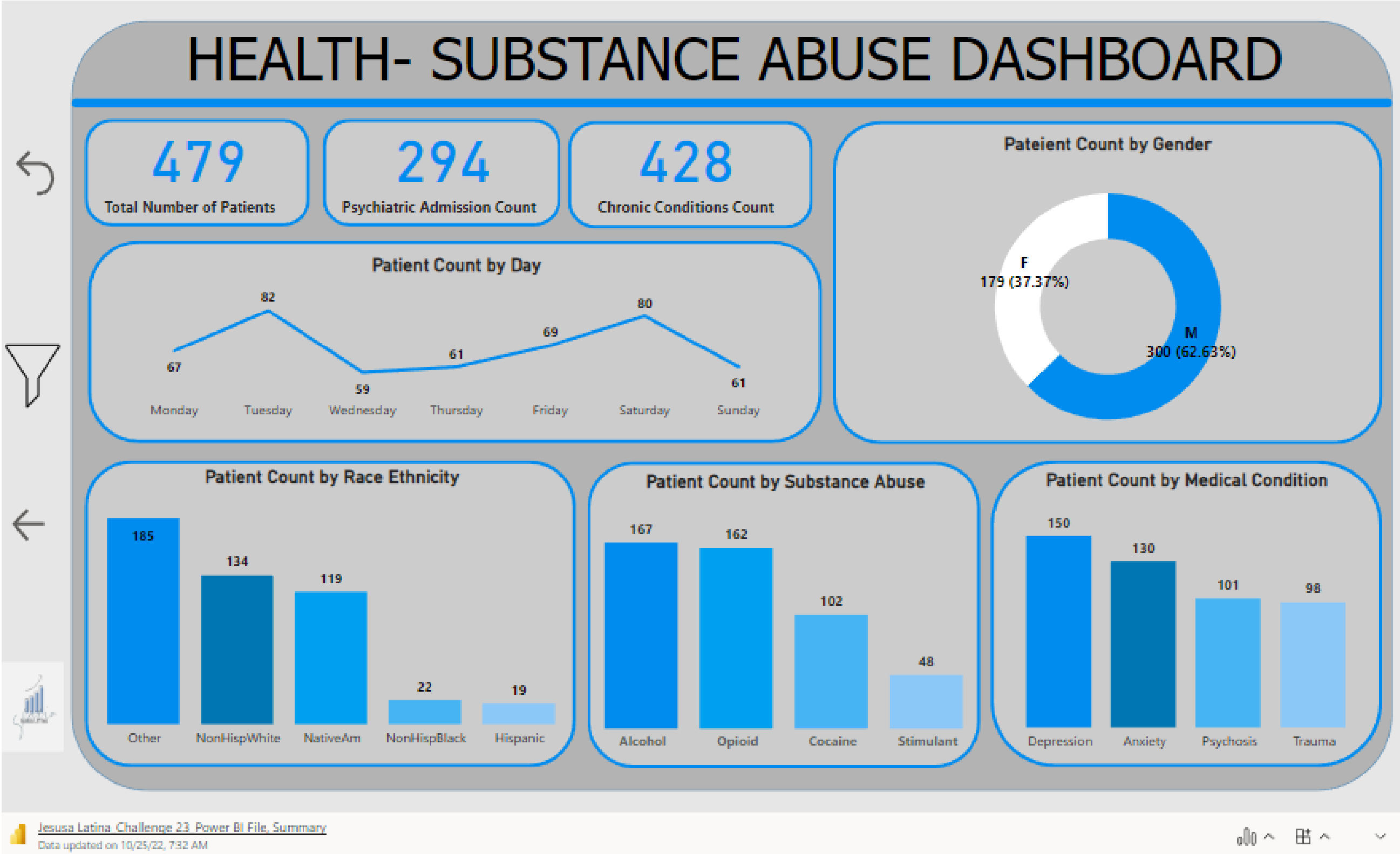
Chiamaka Onunkwo

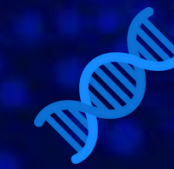
“This is my entry for challenge with Enterprise DNA. The dataset was both informative and interesting. I took the opportunity to practice some new techniques learn more about Power BI. I hope you like it“



Jesusa Latina

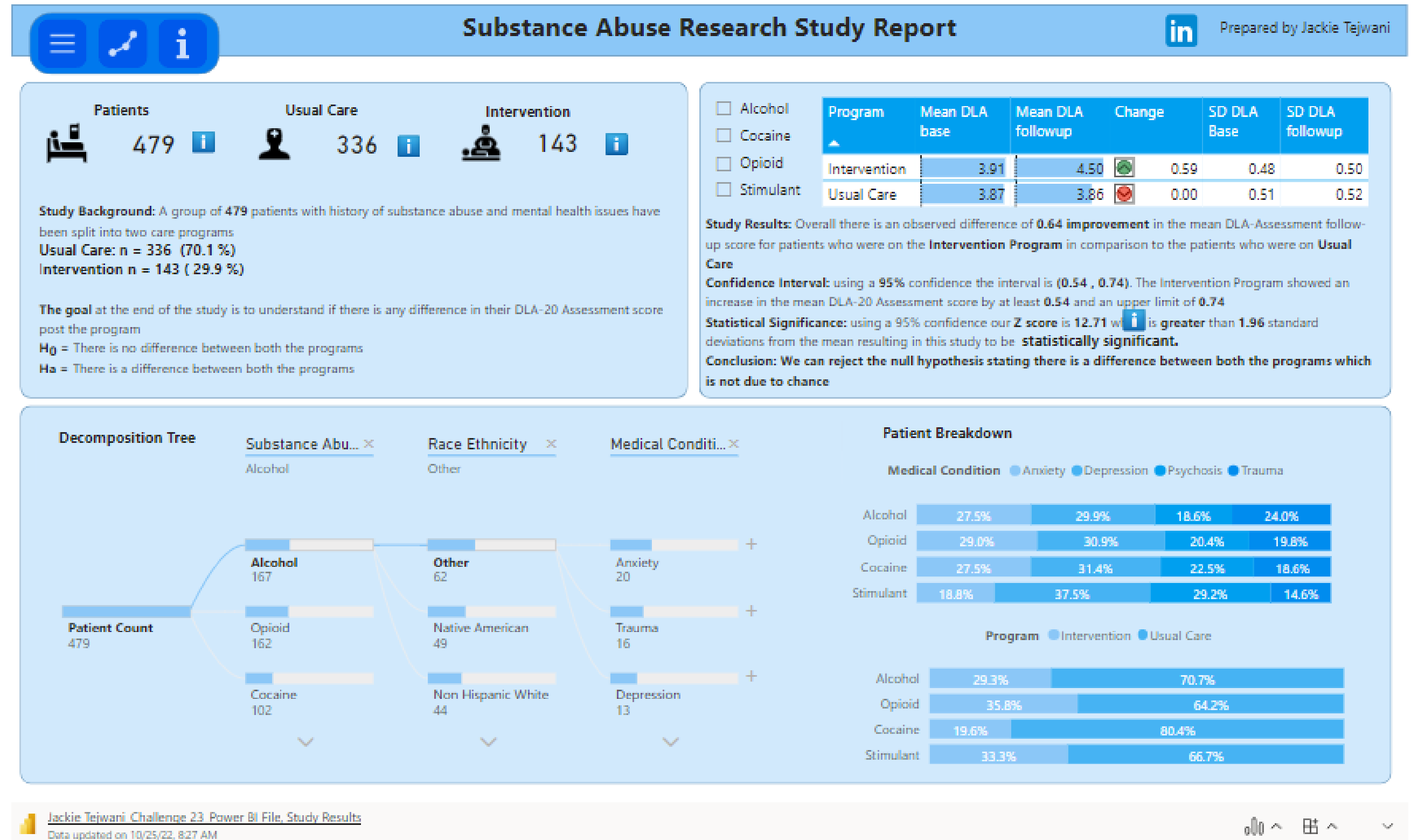
“This is my entry for a challenge with Enterprise DNA. The dataset was very interesting. I took the opportunity to practice some new techniques learn more about Power BI. I hope you like it”





Jackie Tejwani

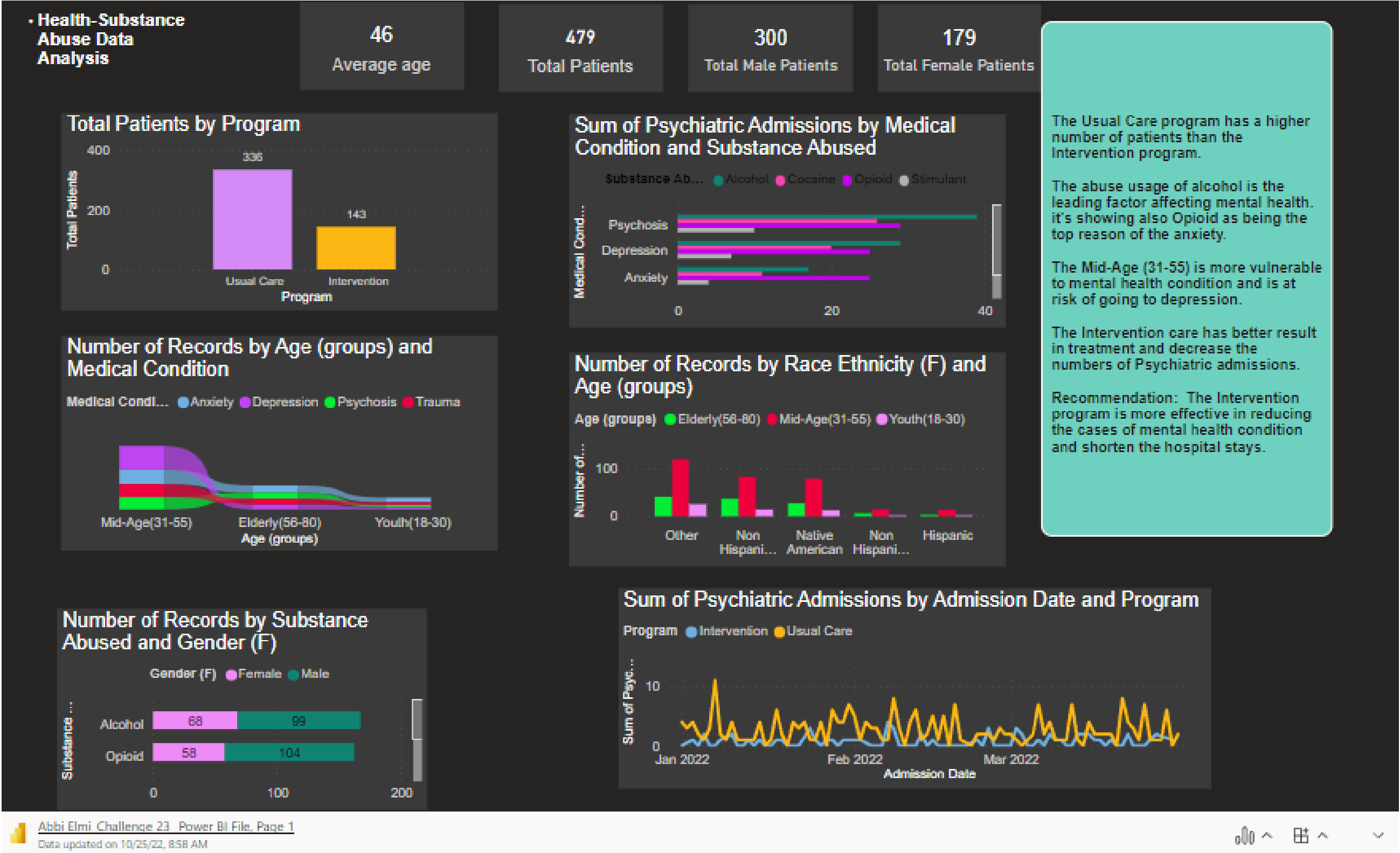
“This is my entry for a challenge 23 of Enterprise DNA. The dataset was very intriguing. I hope you like it”





Abbi Elmi

“This is my first time participating in an Enterprise DNA. The dataset for Challenge 23 was very interesting. I hope you like it”



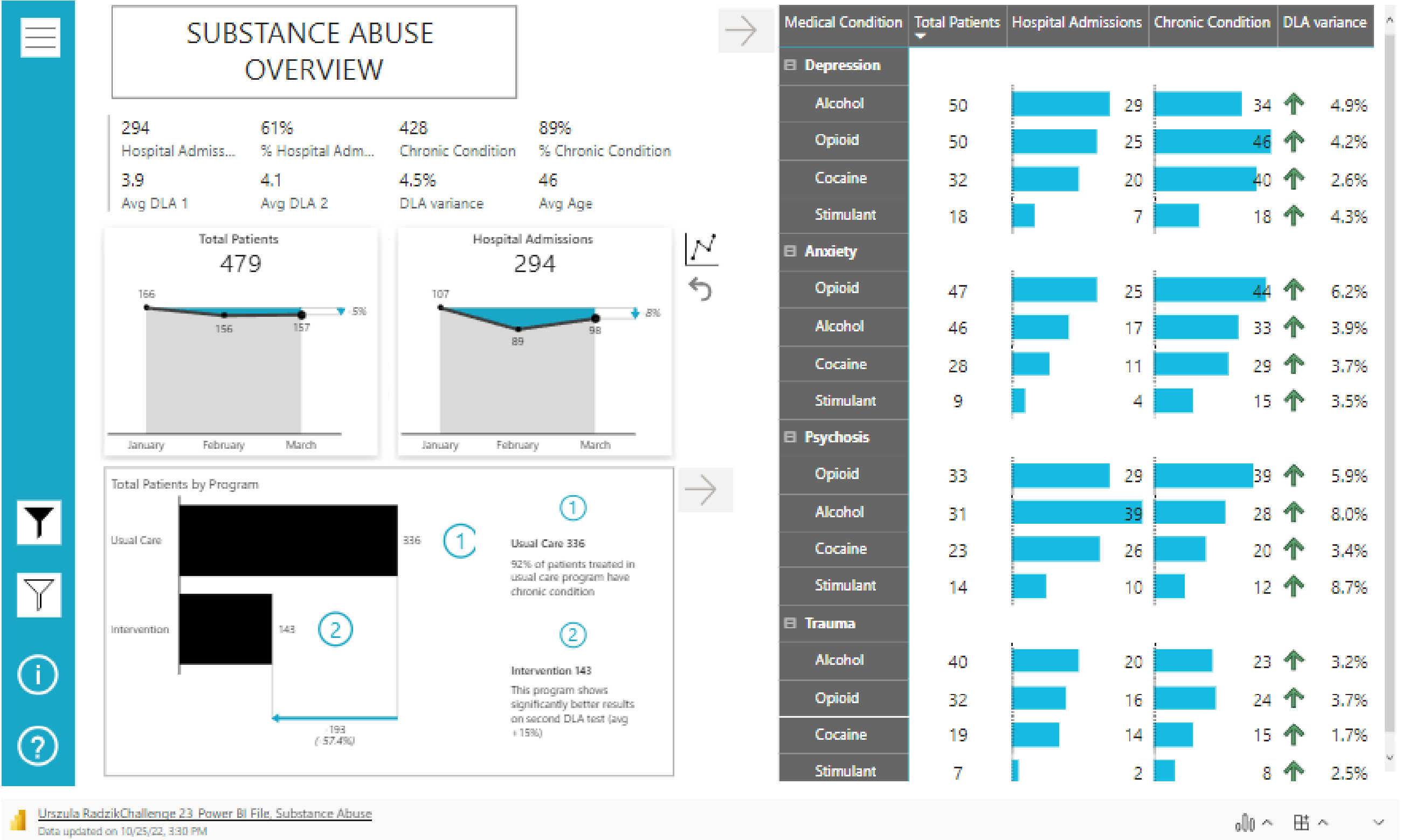
Sam McKay

“This is entry for Challenge 23, I used EDNA’s own template. I was able to create a quick report by utilizing EDNA report developing processes. I hope you like it“



Urszula Radzik

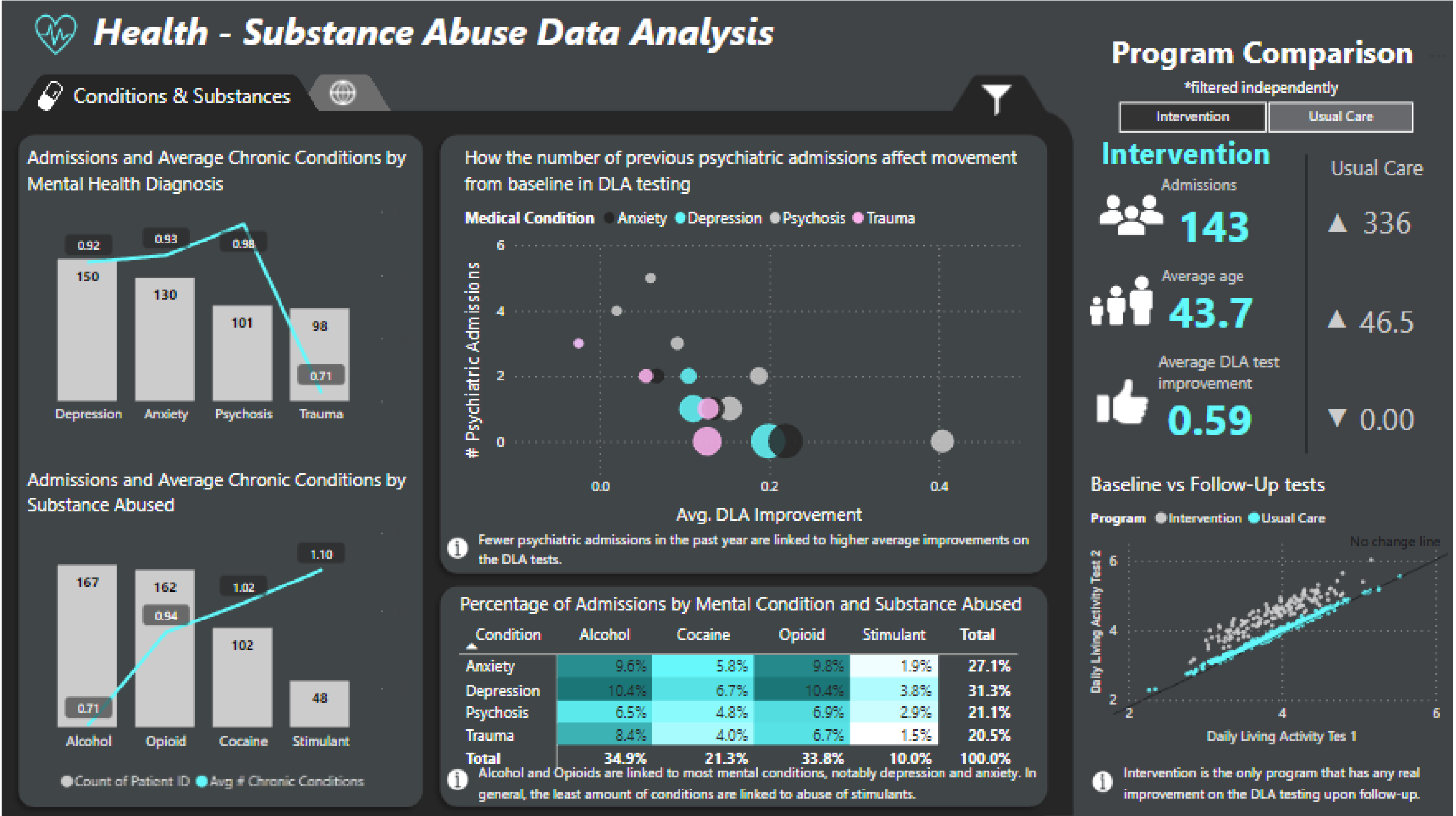
“I accepted the Enterprise DNA challenge. My approach here is to focus on user experience as I believe intuitive navigation and user-friendliness are key to success of every report. You will find here many bookmarks, buttons, tips how to use this report and easy to read charts not to overwhelm the audience with too much information.”





Thomas Black

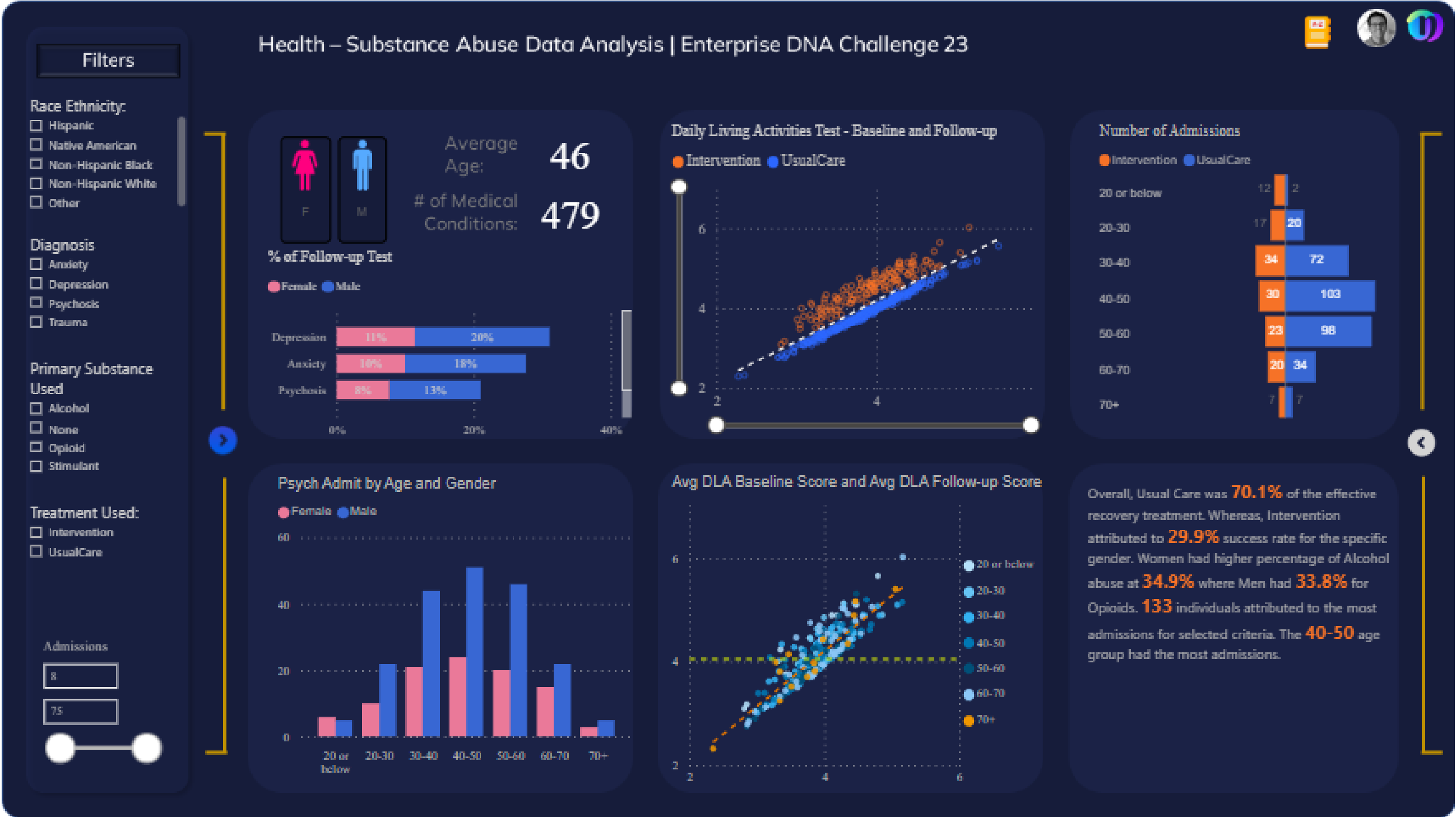
“I accepted the Enterprise DNA challenge23. This is my first entry. I found the dataset very interesting. I hope you like it.”





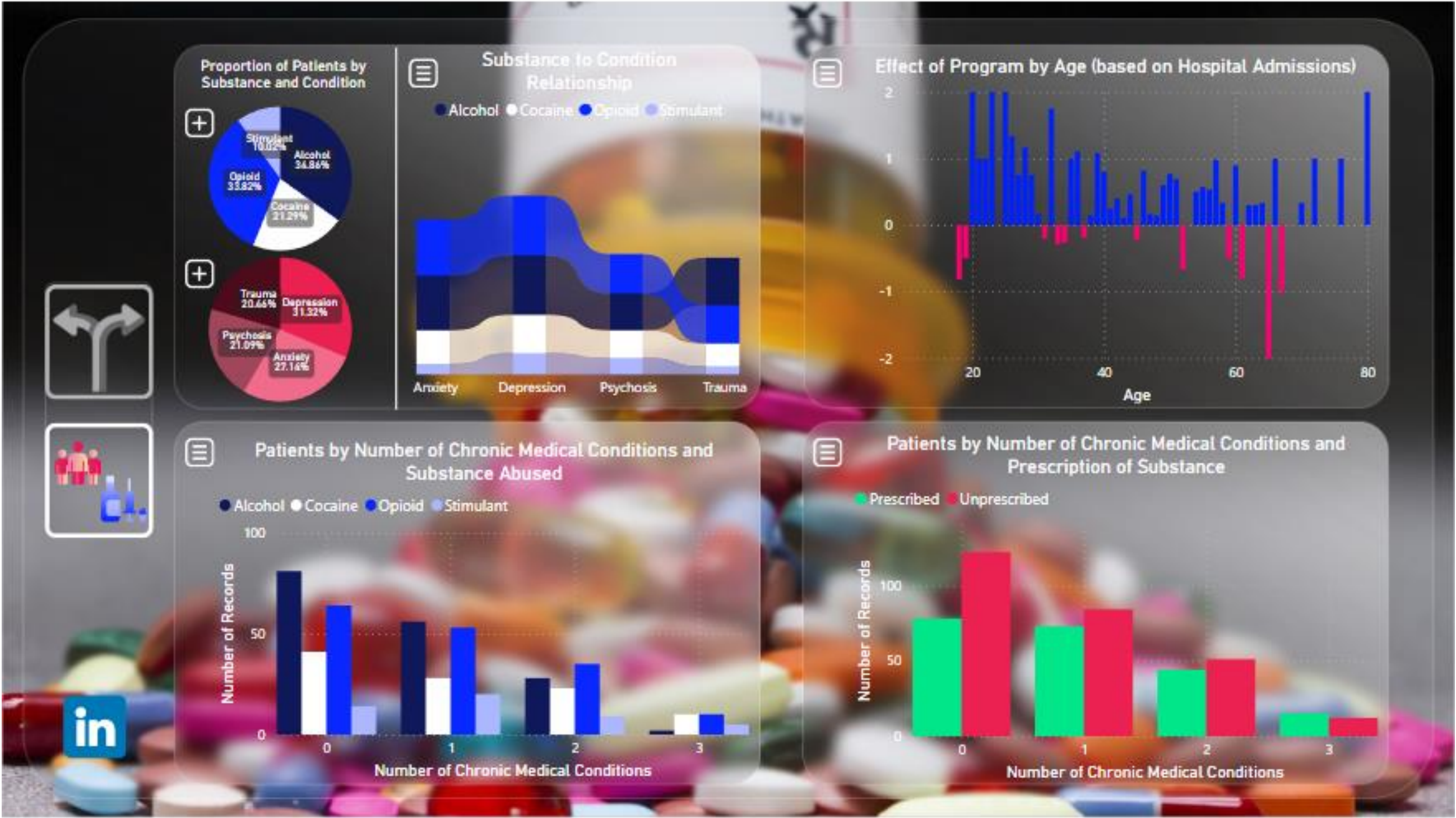
Paul Gerber

“I accepted the Enterprise DNA challenge23.I found the dataset very interesting. Interesting results. Wish I could have done in more with the statistical analysis part in python. I hope you like it.”



Said Khasanov

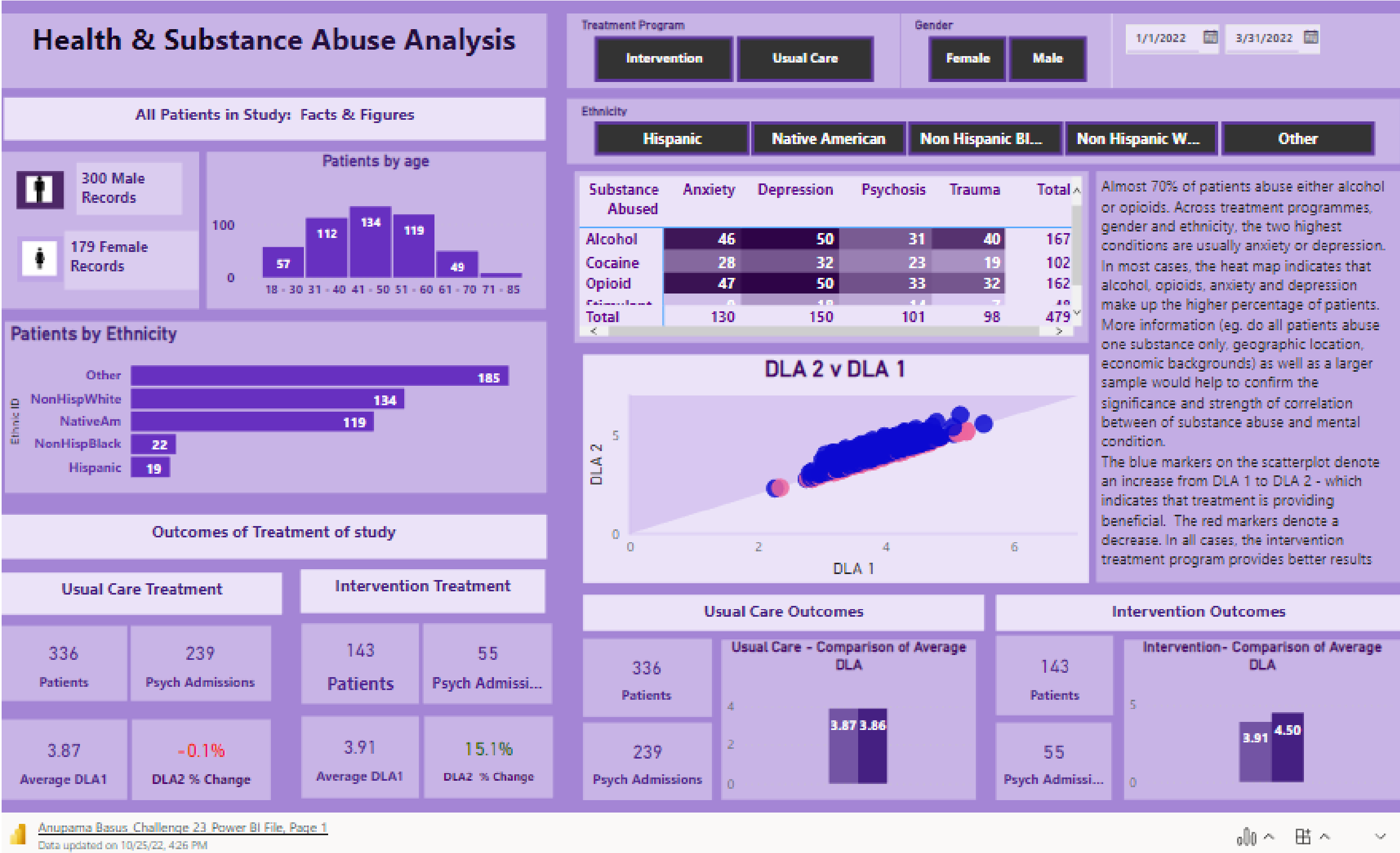
“I am the first-time participant. I decided to try my hands on glassmorphism, a trending design in UI, with the use of bright Neon colors. I created some measures that may help to investigate data from various perspectives. They allowed me to see that Intervention was not always a favorable choice over Usual Care.”



Said Khasanov - Challenge 23 Power BI File, Demographic and Substance Impact Analysis
Data updated on 10/25/22, 4:01 PM

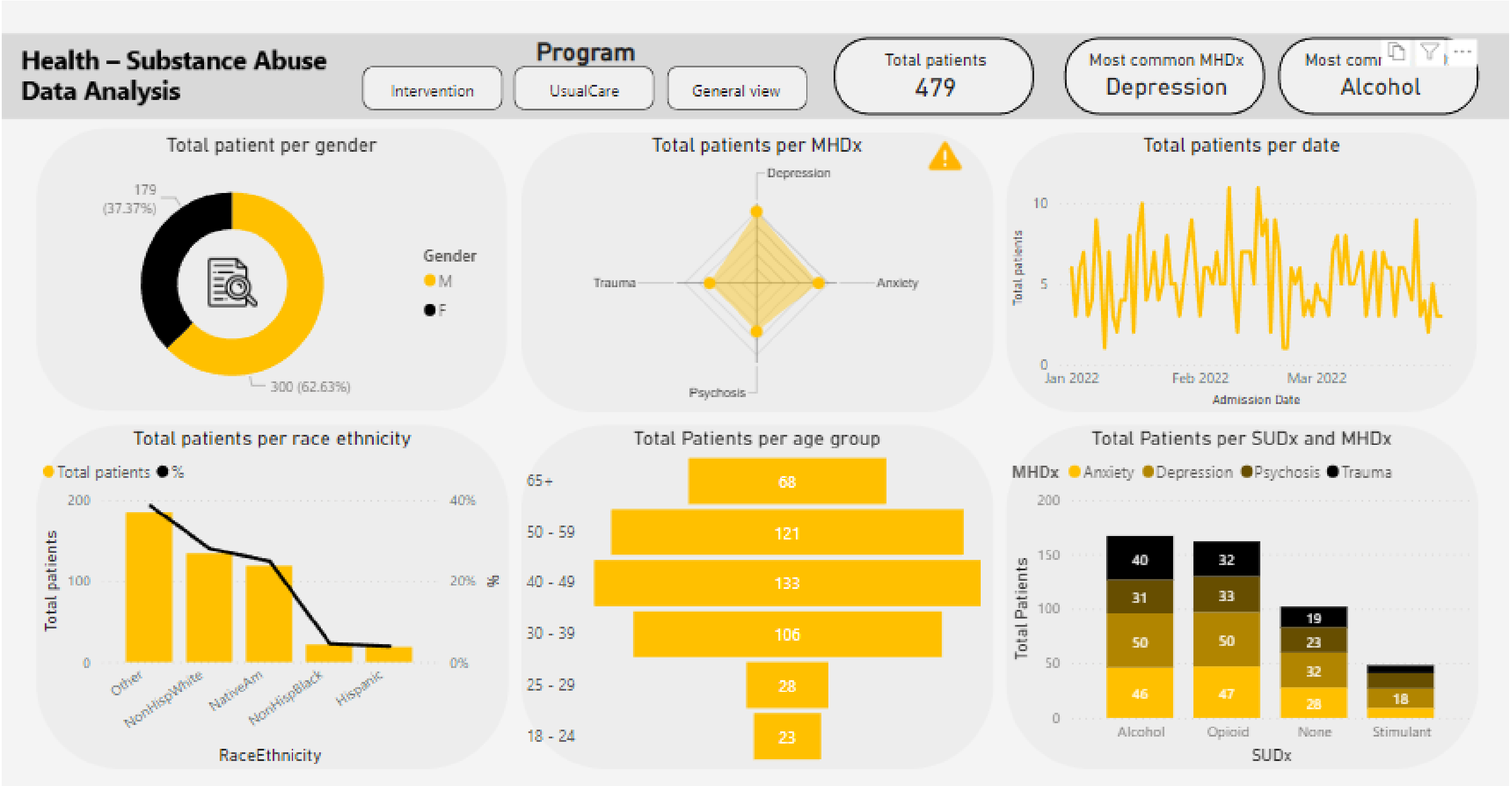
Anupama Basu

“I am the first-time participant. Phew! Finally managed to properly finish a Challenge and submit! First time for everything! Federico – thank you for continuing to provide interesting and enjoyable challenges. I hope you like it.”



Matthias Smeets

“Please find my entry for Challenge 23. It was a nice dataset to explore and do some visualisations on. Gained so new skills and tried to implement them in my dashboards. I hope you like it.”



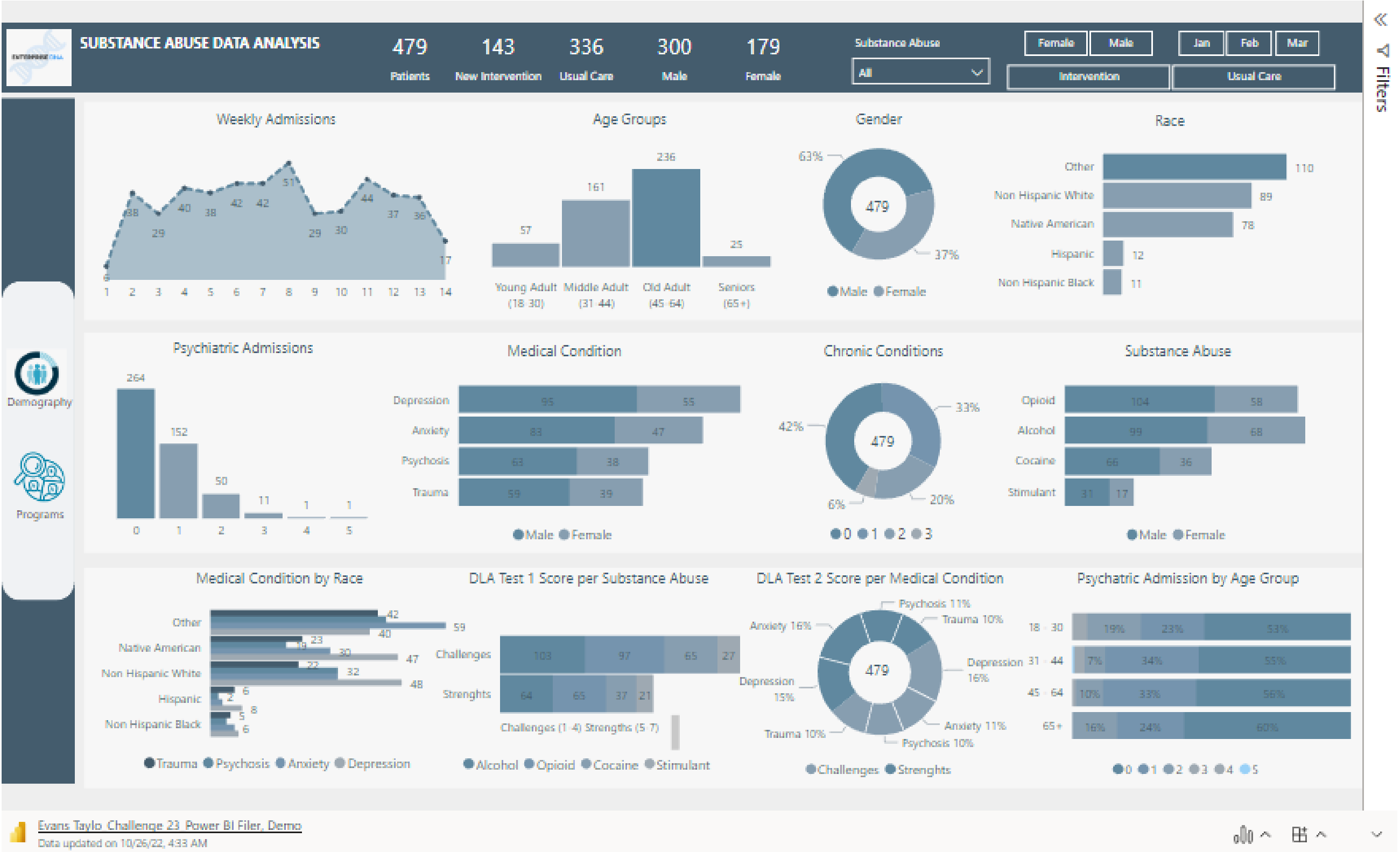
Health – Substance Abuse



Evans

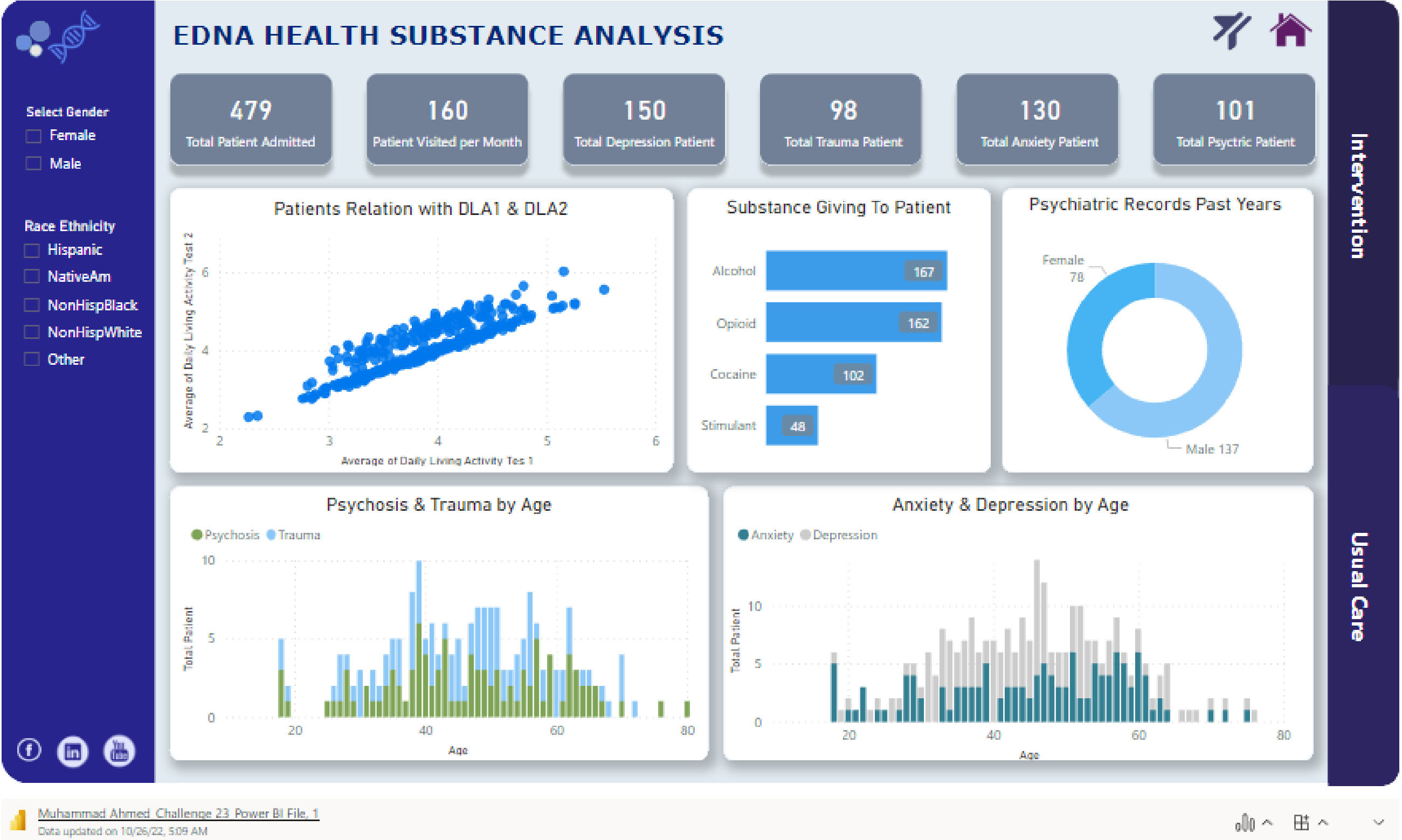
Taylor

“Here is my submission to EDNA Challenge 23, Health - Substance Abuse Data Analysis. The task is to compare two different hospitalization program and make recommendations. It a small dataset with less than 500 rows yet there is so much to analyse and visualize.”



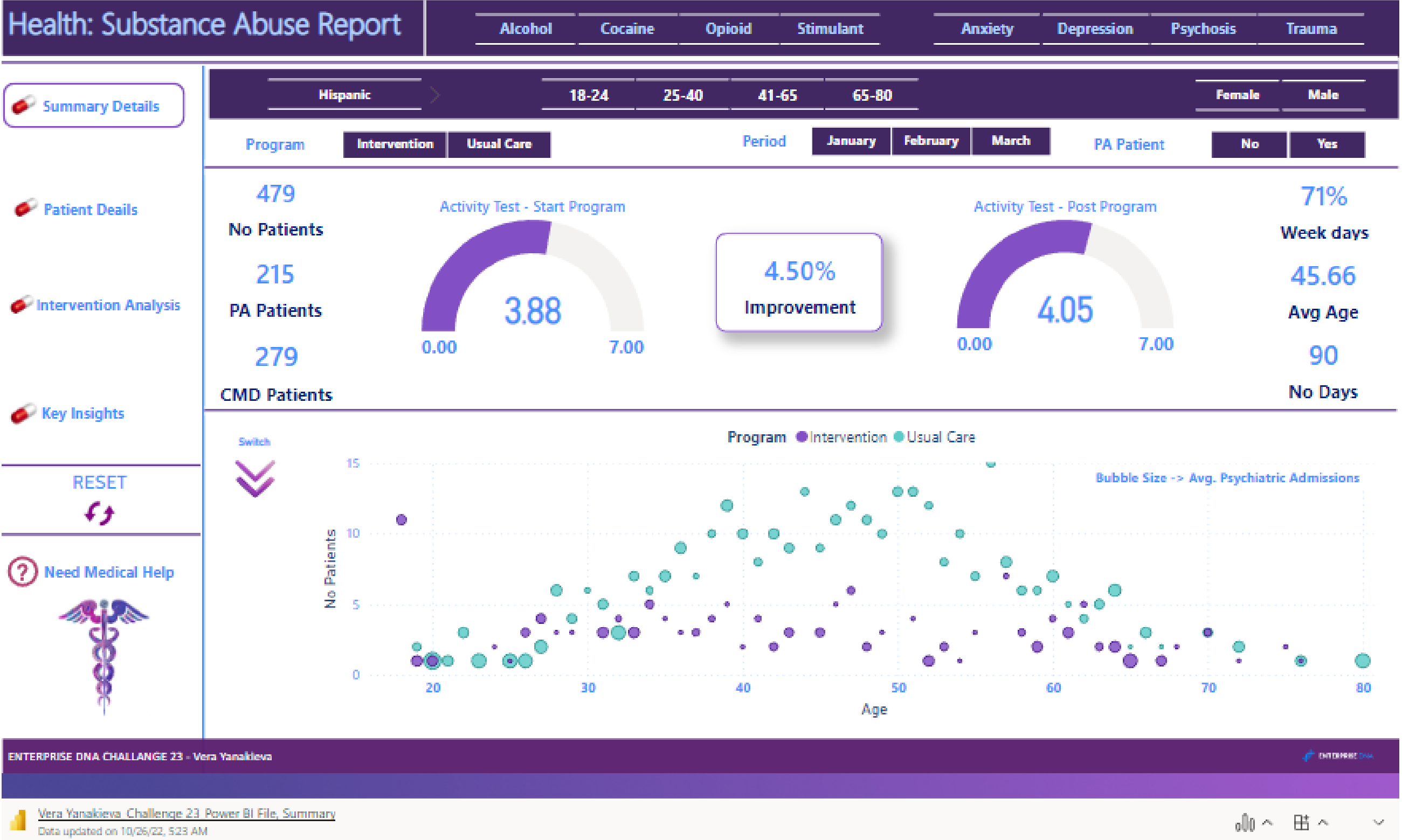
Muhammad Ahmed

“Here is my submission to EDNA Challenge 23, Health - Substance Abuse Data Analysis. This is my second entry It is a small dataset with less than 500 rows yet there is so much to analyse and visualize. I hope you like it.”



Vera Yanakieva

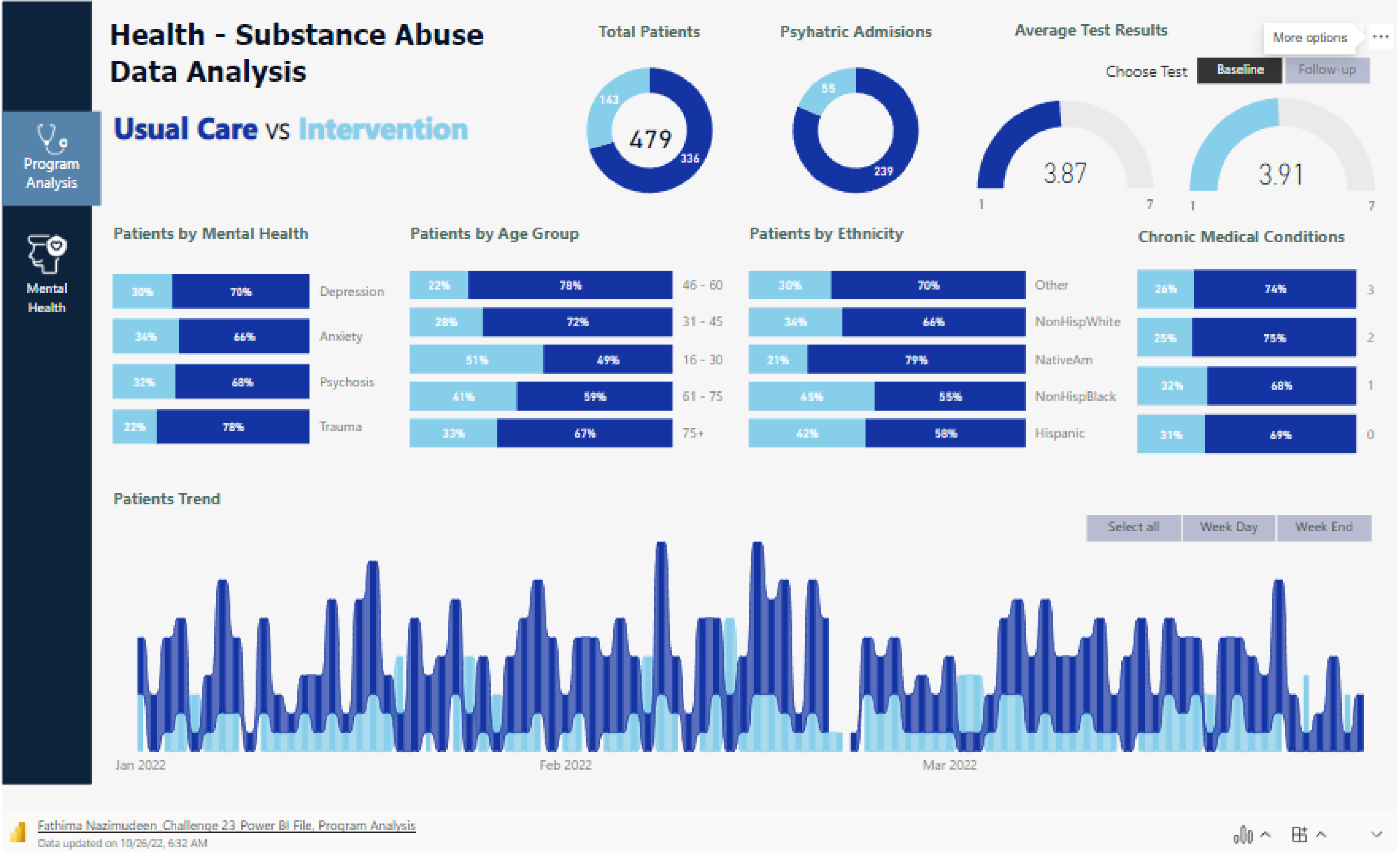
“Here is my submission to EDNA Challenge 23, Health - Substance Abuse Data Analysis. I have used several techniques in my report. Overall, it was great fun to do. Awesome initiative. I hope you like.”





Fathima Nazimudeen

“Here is my submission to EDNA Challenge 23, Health - Substance Abuse Data Analysis. it was great fun to work with this dataset, very interesting. I hope you like.”

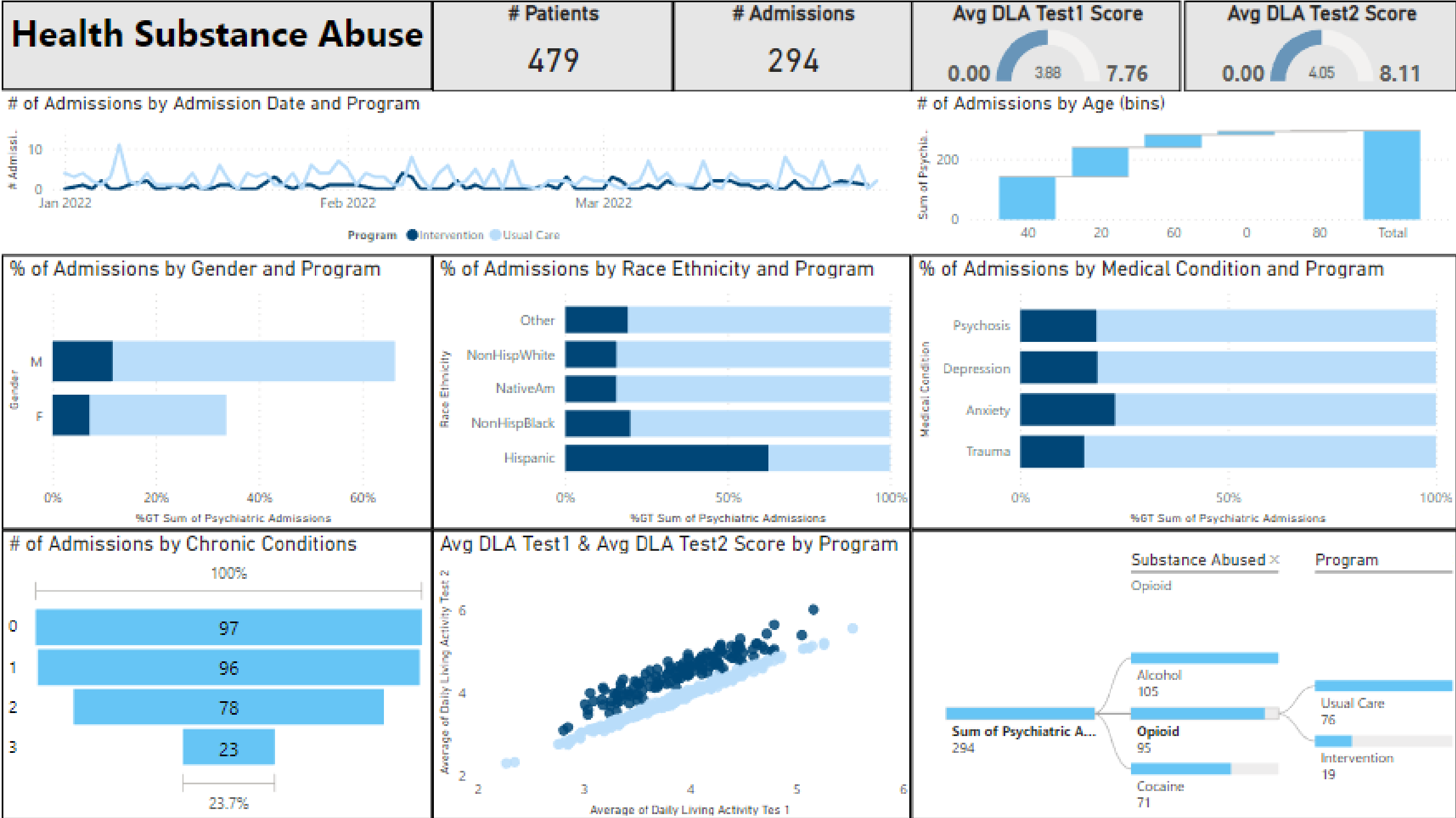


Health – Substance Abuse



Suchi Jain

“Here is my submission to EDNA Challenge 23, Health - Substance Abuse Data Analysis. Very interesting. I hope you like.”

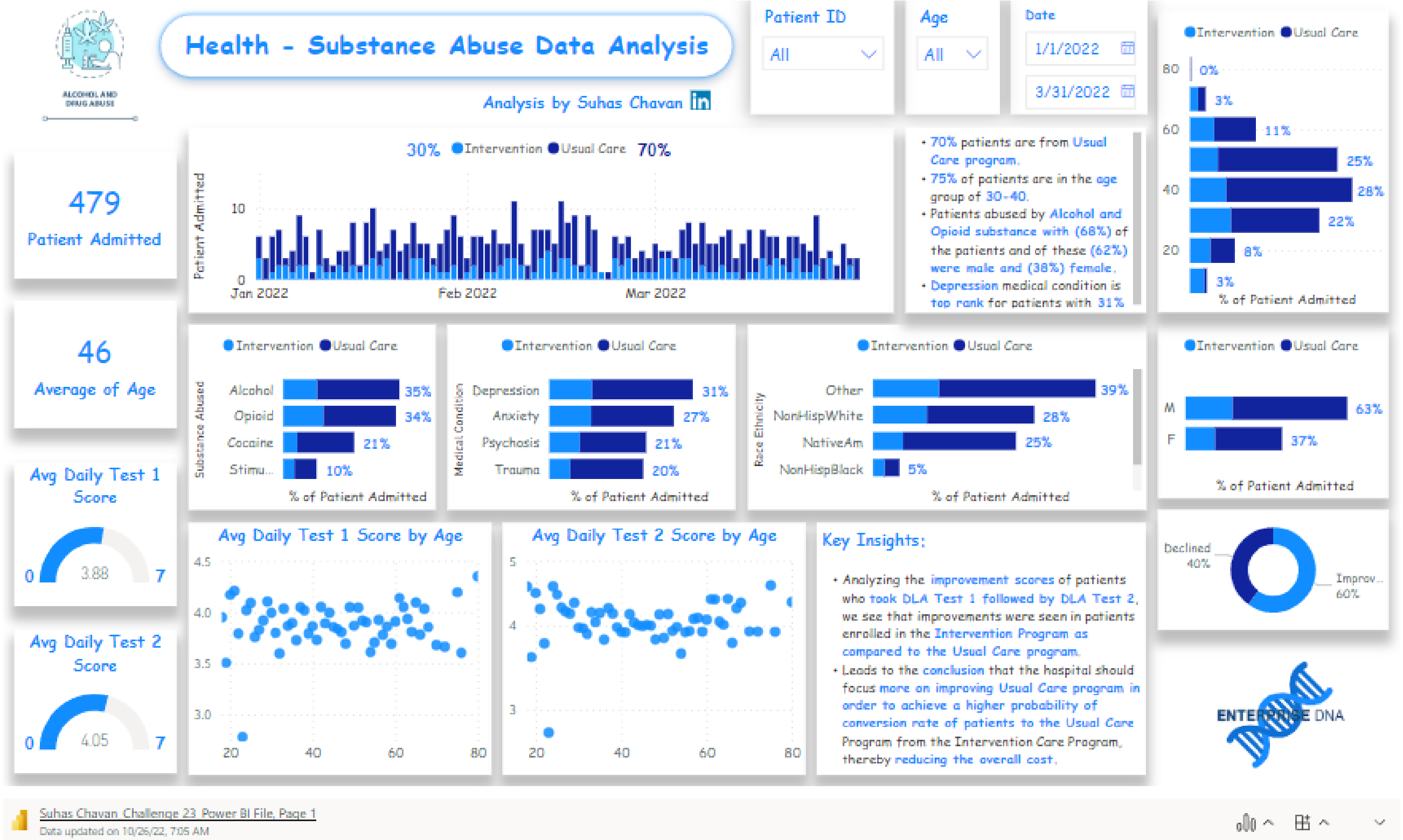


Health – Substance Abuse



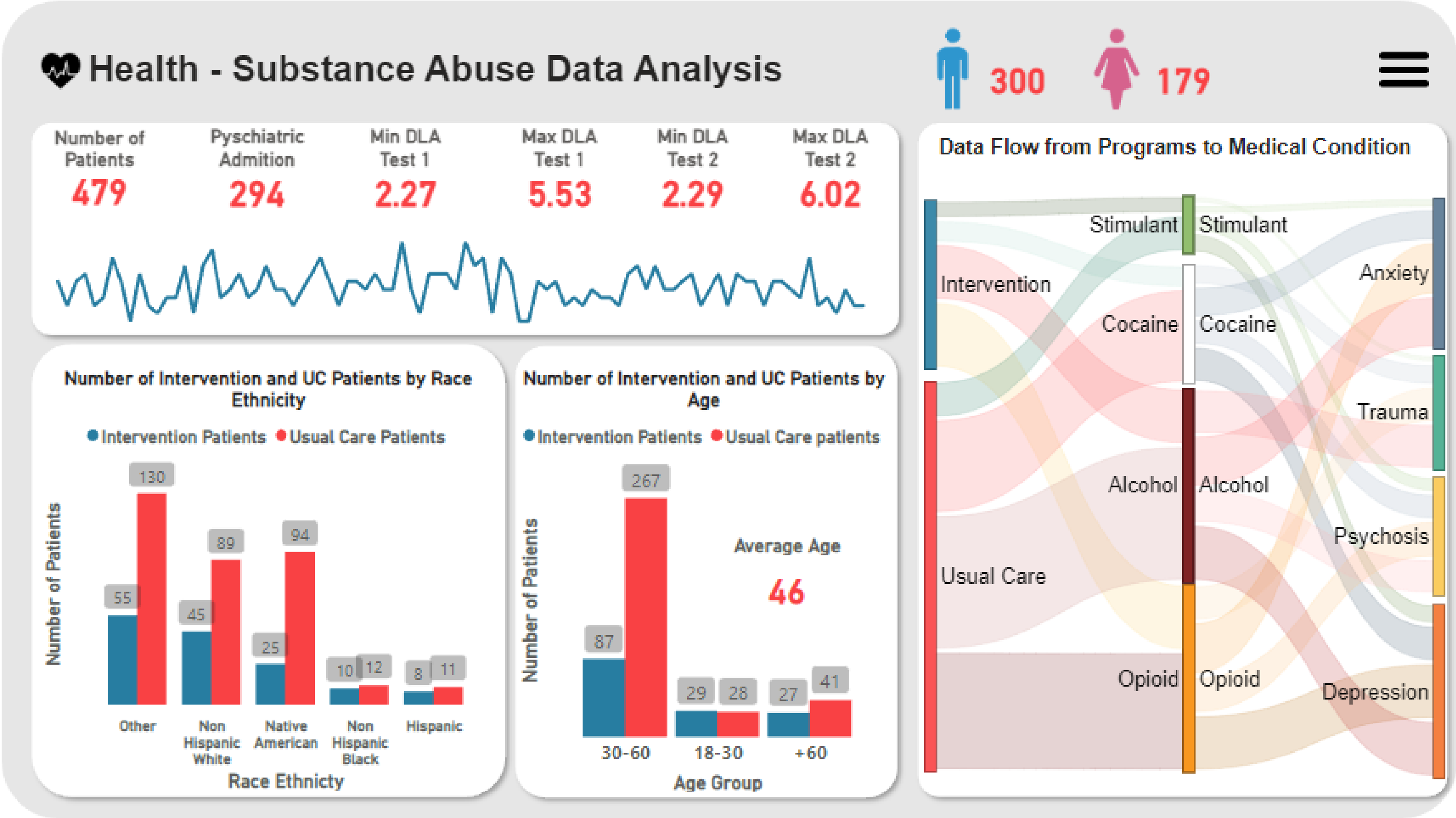
Suhas Chavan

“This is my first time; I am participating in EDNA Challenges. Here is my submission to EDNA Challenge 23, Health - Substance Abuse Data Analysis. Very interesting, It was an amazing experience in creating the reports. I hope you like.”



Mohamed Sofyan

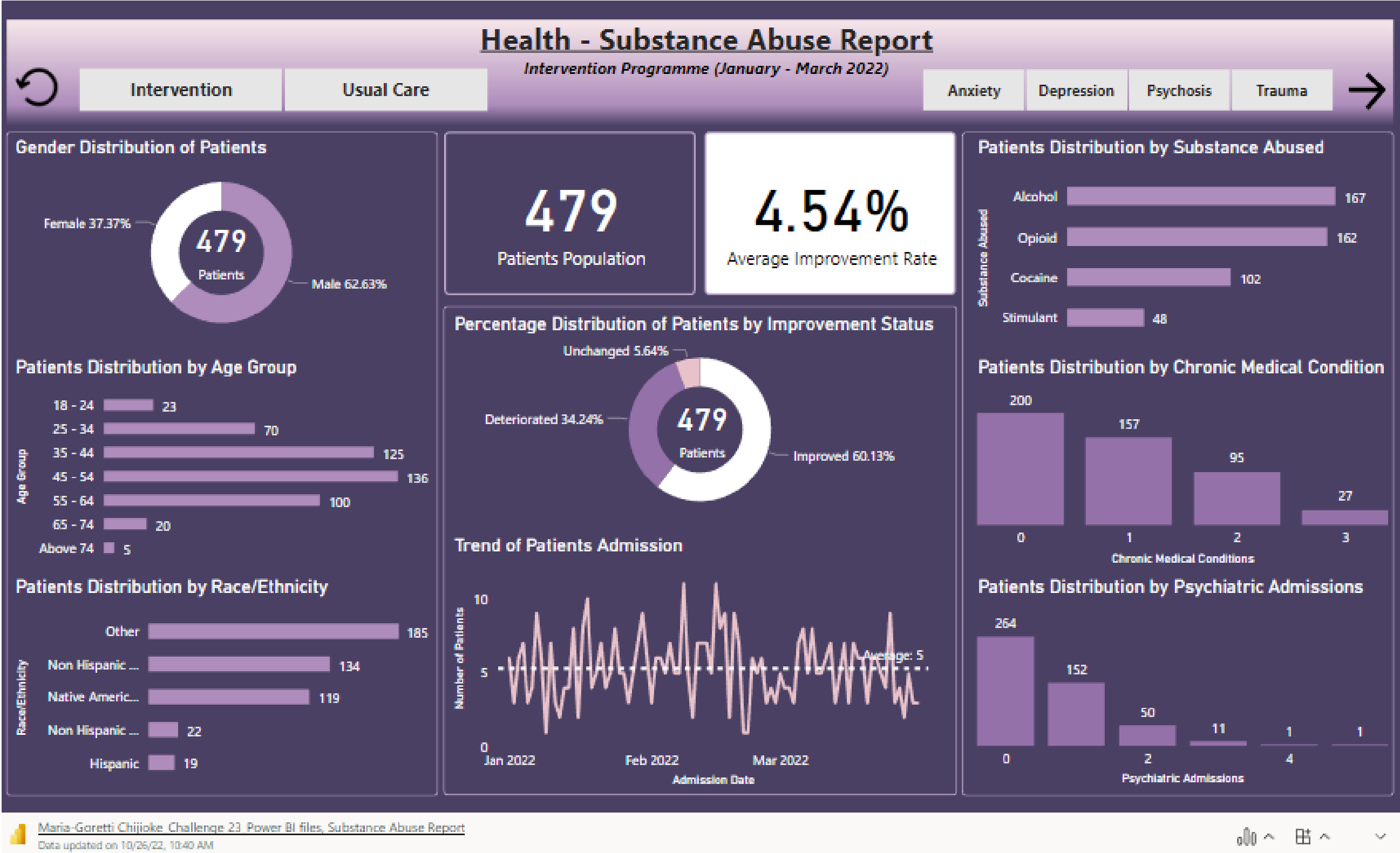
“This is my first time; I am participating in EDNA Challenges. Very interesting, It was an amazing experience in creating the reports. I hope you like.”



Mohamed Sofyan, Challenge 23, Power BI File, Substance Abuse
Data updated on 10/26/22, 10:09 AM

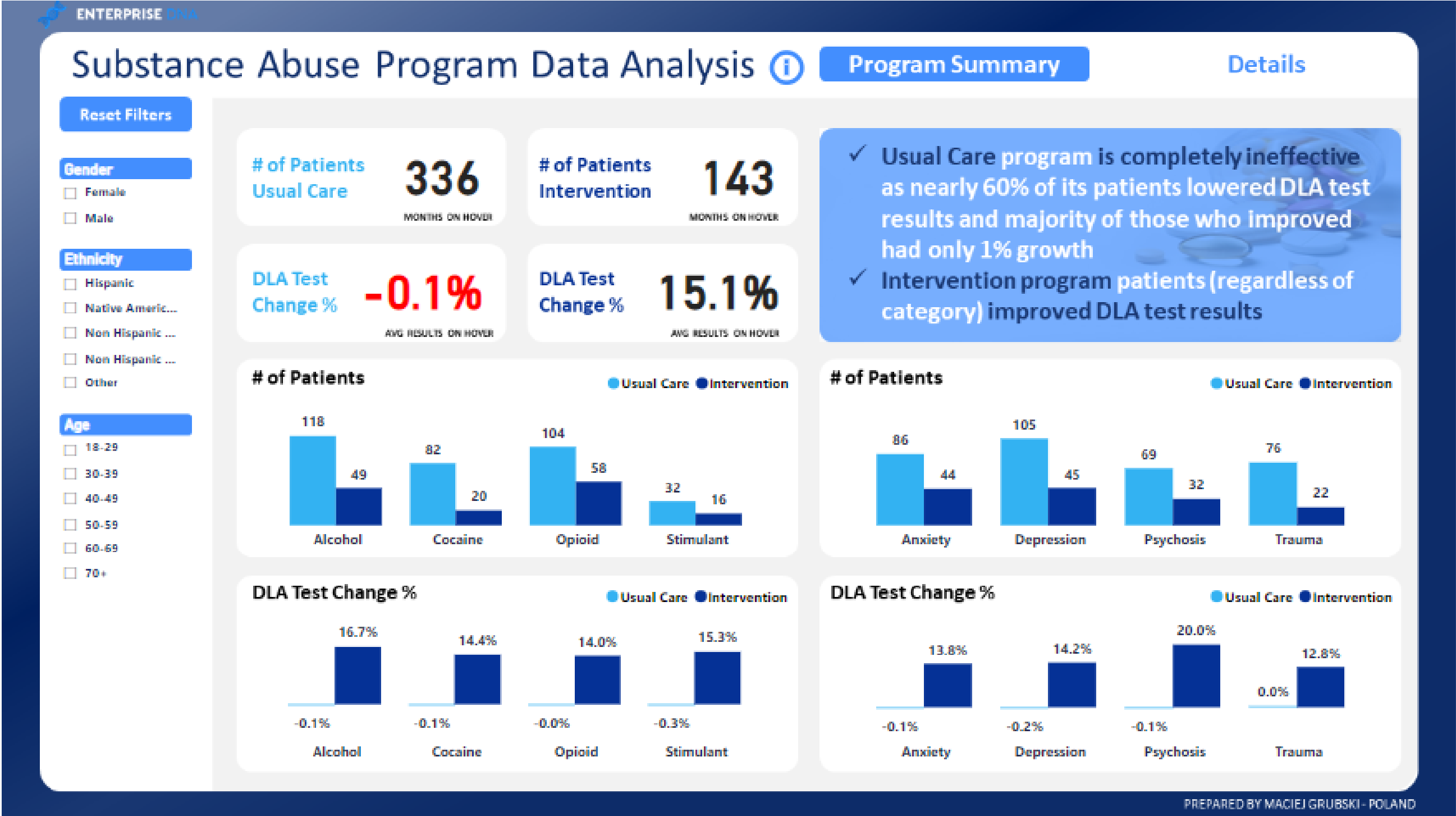
Maria-Goretti Chijioke

“This is my first time; I am participating in EDNA Challenges. Very interesting, It was an amazing experience in creating the reports. I hope you like.”



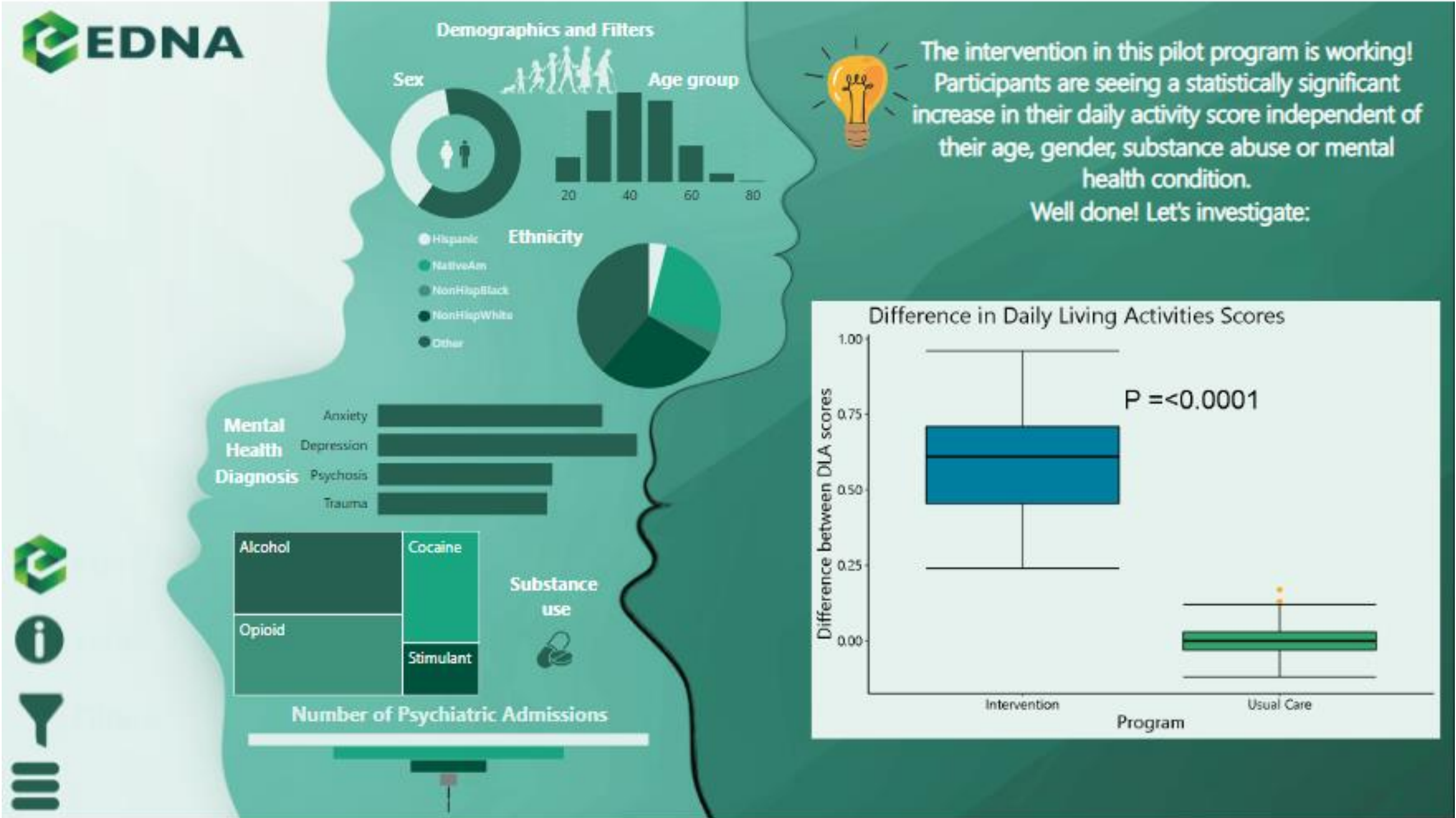
Maciej Grubski

“This is my first time; I am participating in EDNA Challenges. Very interesting dataset. I hope you like.”



Jono & Courtney

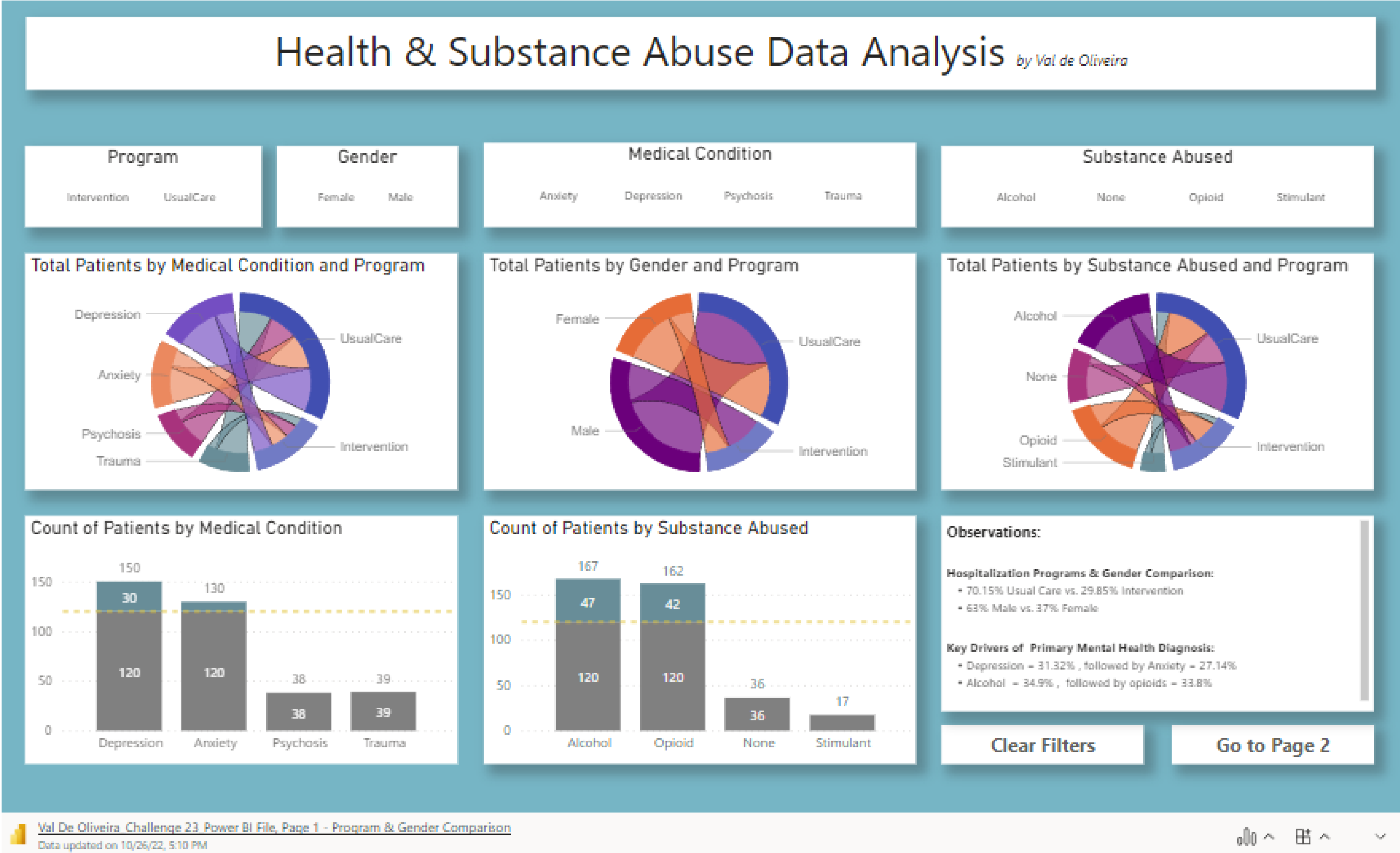
“This is our first entry but it really peaked our interest because our research is about substance abuse. Our goals were:
1) stretch our personal Power BI skills, in particular to integrate statistical analysis with the R visual
2) Communicate our analysis in a useful and efficient way. I hope you like it.”

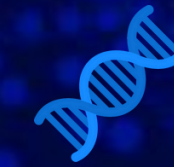


Jono & Courtney Challenge 23 Power BI File, EDNA
Data updated on 10/25/22, 11:11 AM

Val De Oliveira

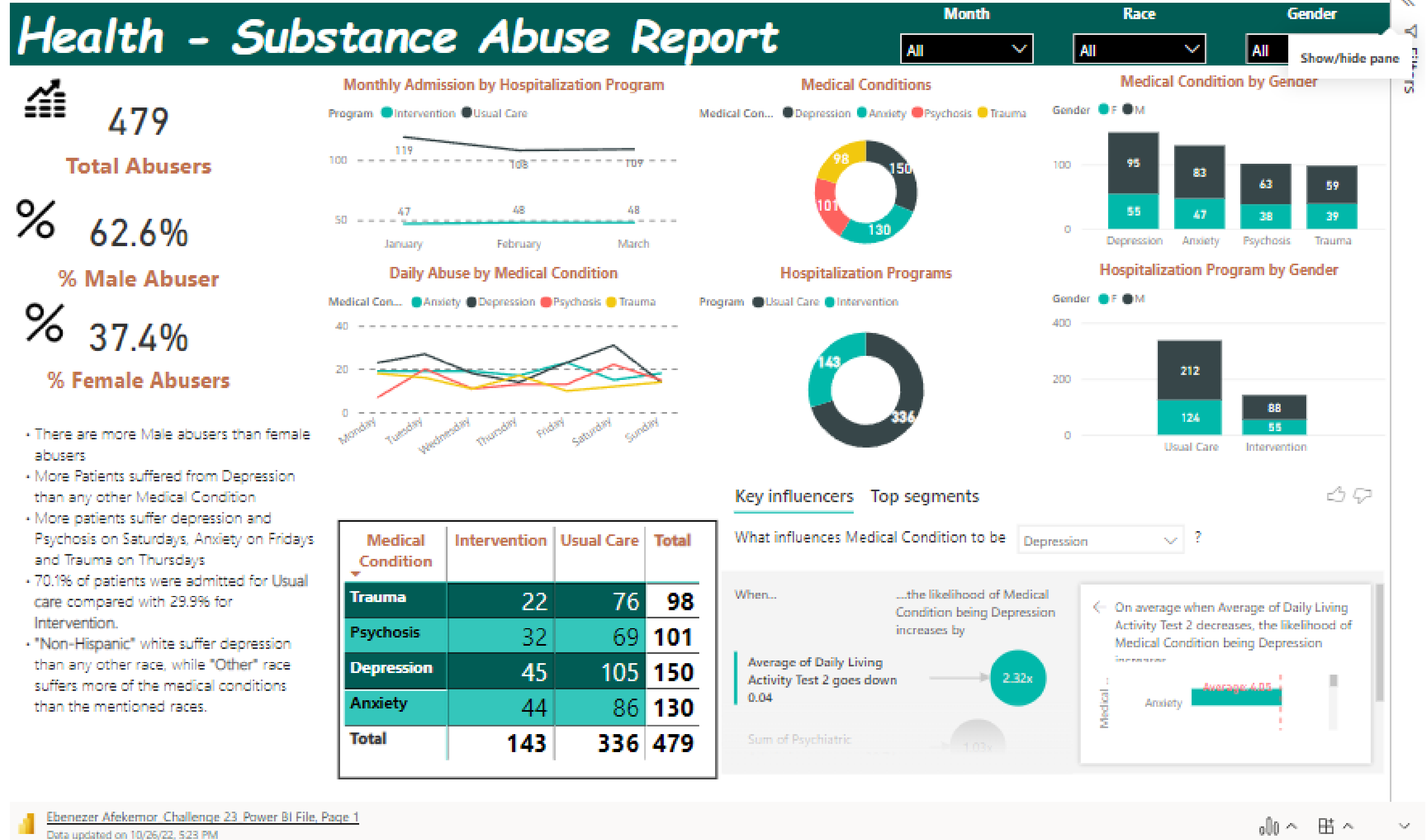
“This is my submission for Challenge 23 “Health & Substance Abuse Analysis Report. The challenge is to prepare an analysis report about the Substance Abuse dataset provided, comparing different hospitalization programs and highlighting the key drivers of different types of primary health diagnosis.”





Ebenezer Afekemor


“This is my submission for Challenge 23 “Health & Substance Abuse Analysis Report. The challenge is to prepare an analysis report about the Substance Abuse dataset provided. The dataset is very interesting. I hope you like it.”



Maria Martinez

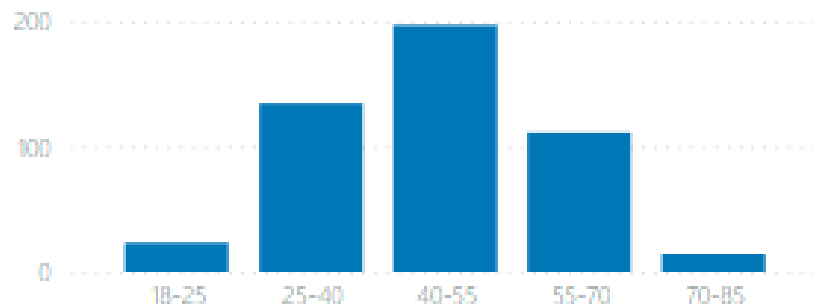
“This is my submission for Challenge 23 “Health & Substance Abuse Analysis Report. The dataset is very interesting. I hope you like it.”

Substance Abuse Analysis

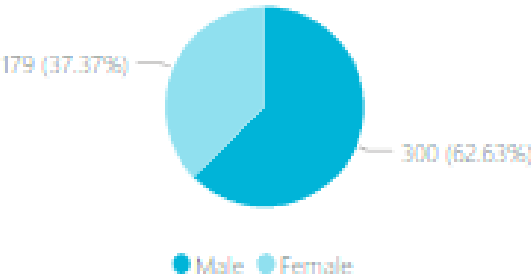
All Intervention Usual 

 Number of clients: 479  Average age: 46  Clients chronic conditions: 58.25 %  Improvement: 4.54 %

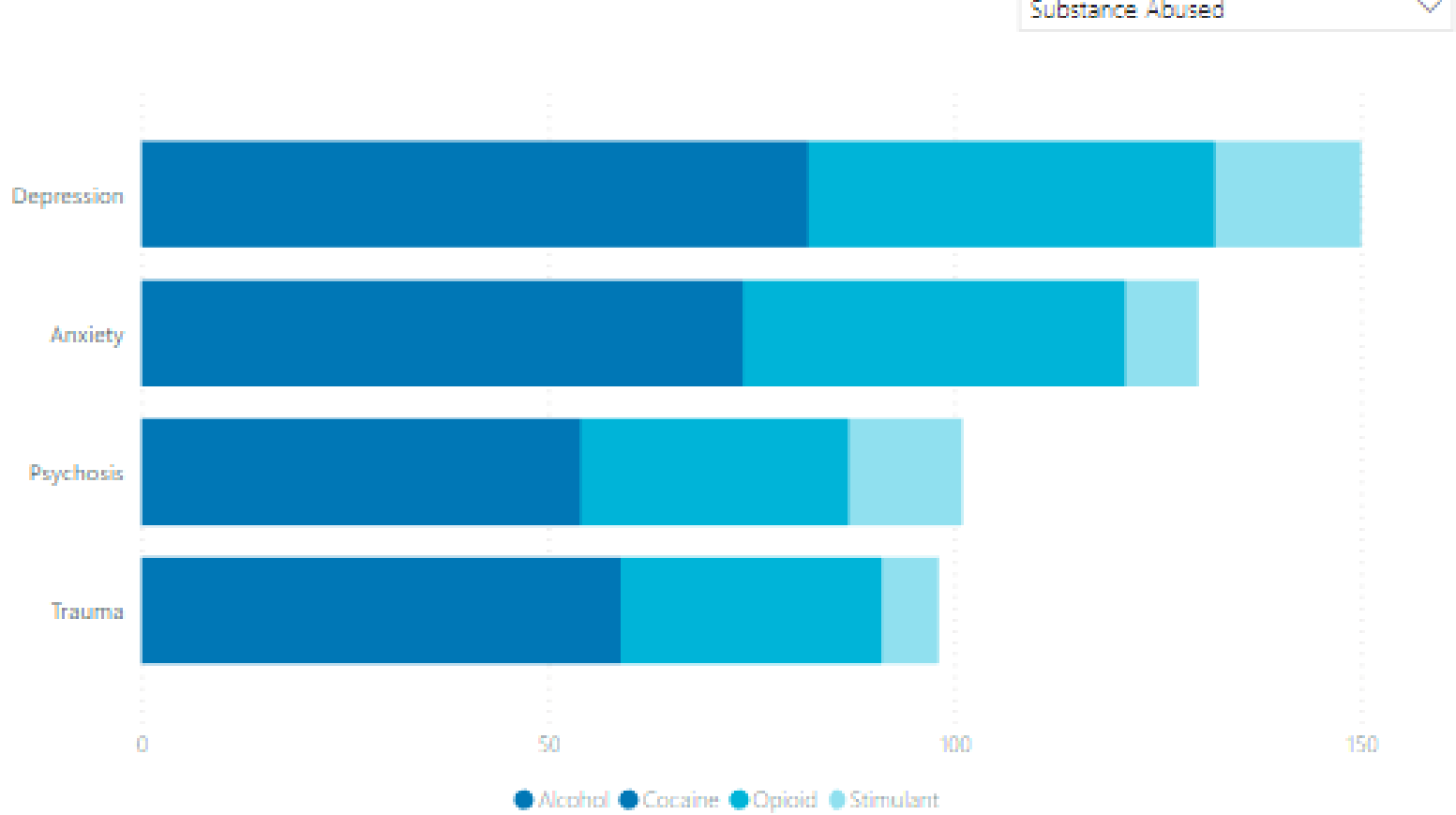
Clients by Age Group



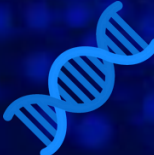
Clients by Gender



Clients by Medical Condition and Substance Abused

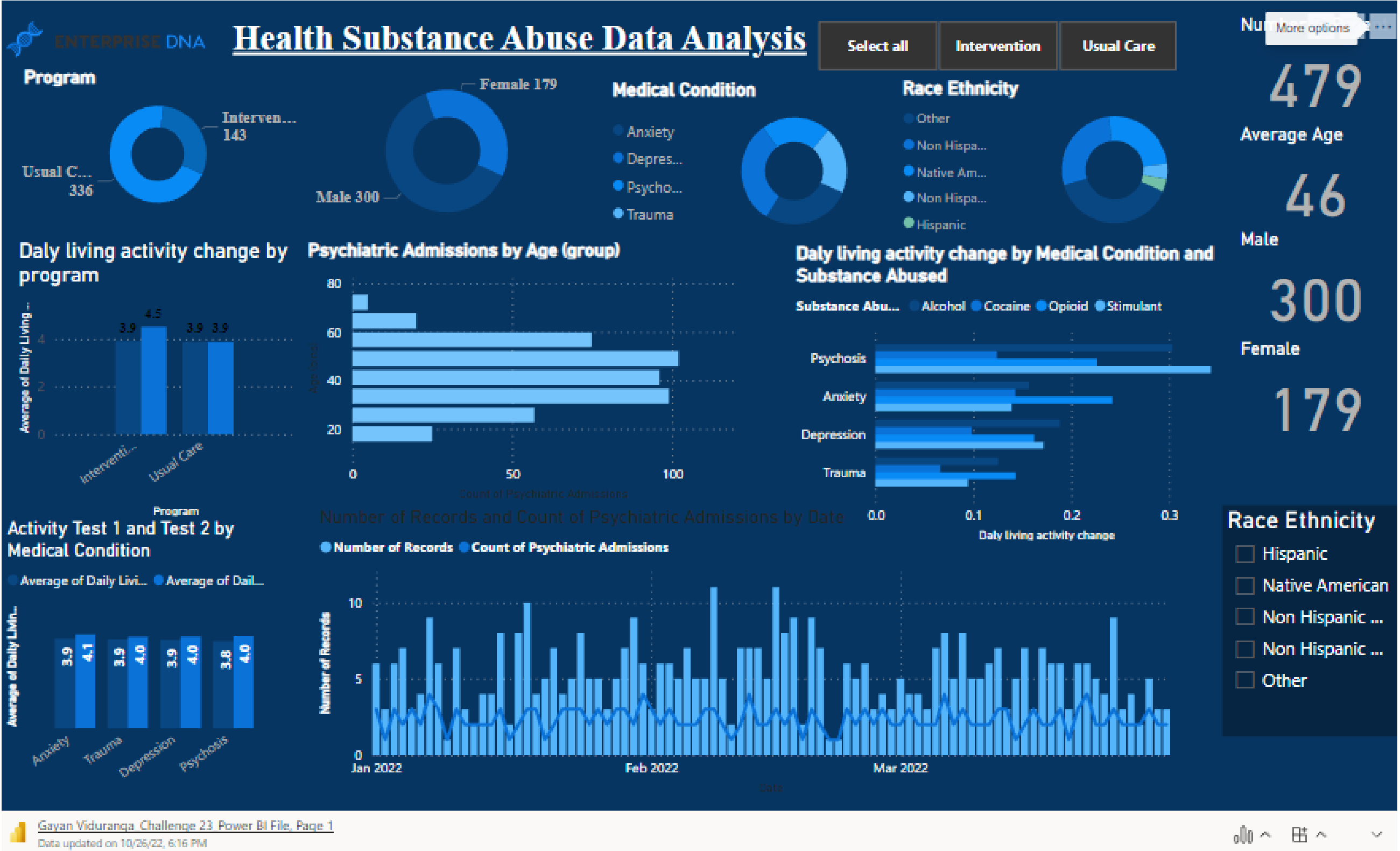


Overview Program Analysis



Gayan Viduranga

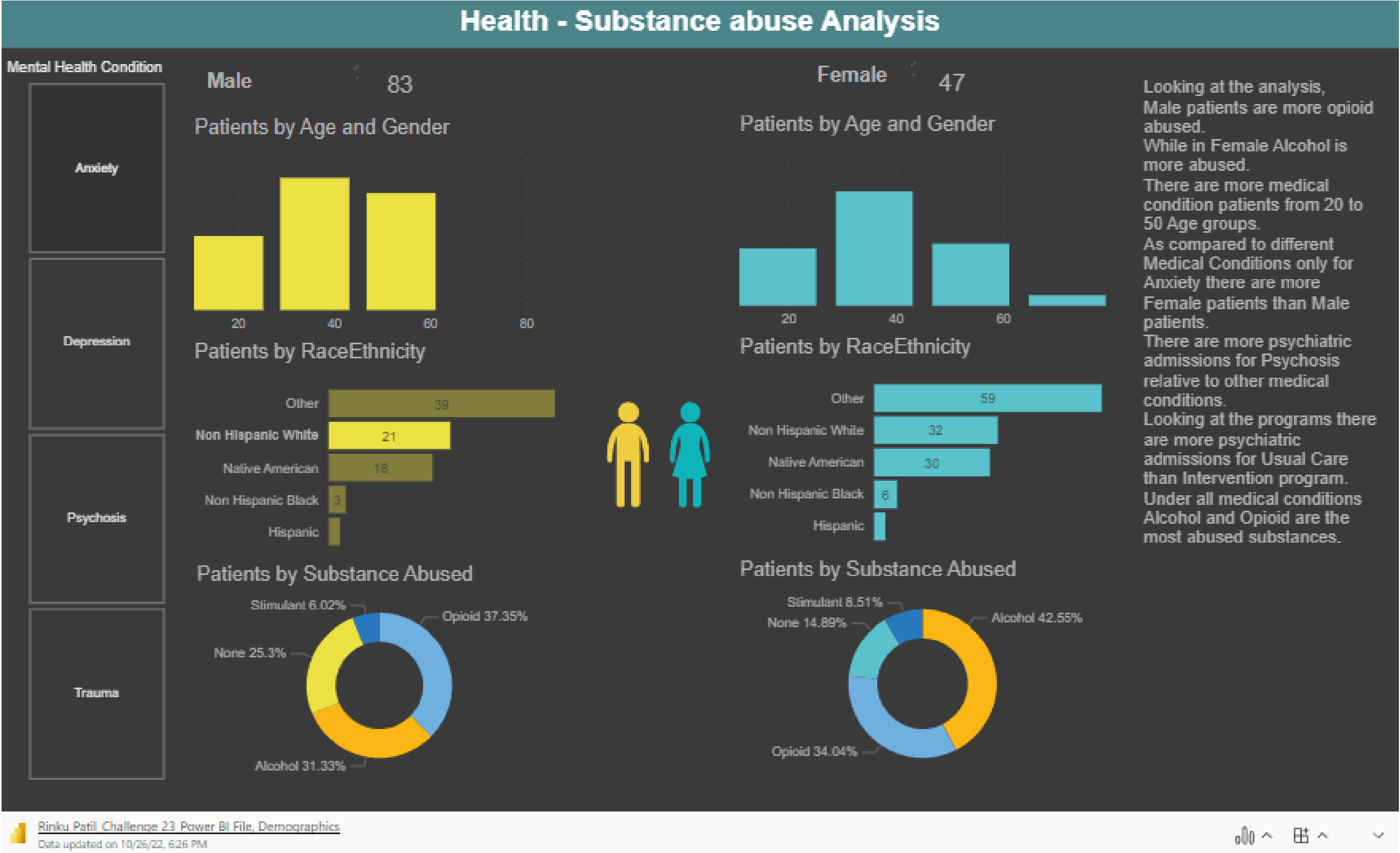
“This is my first submission for to an Enterprise DNA Data Challenge. Please my entry for Challenge 23 “Health & Substance Abuse Analysis Report” dataset was a wonder to work with. hope you like it.”





Rinku Patil

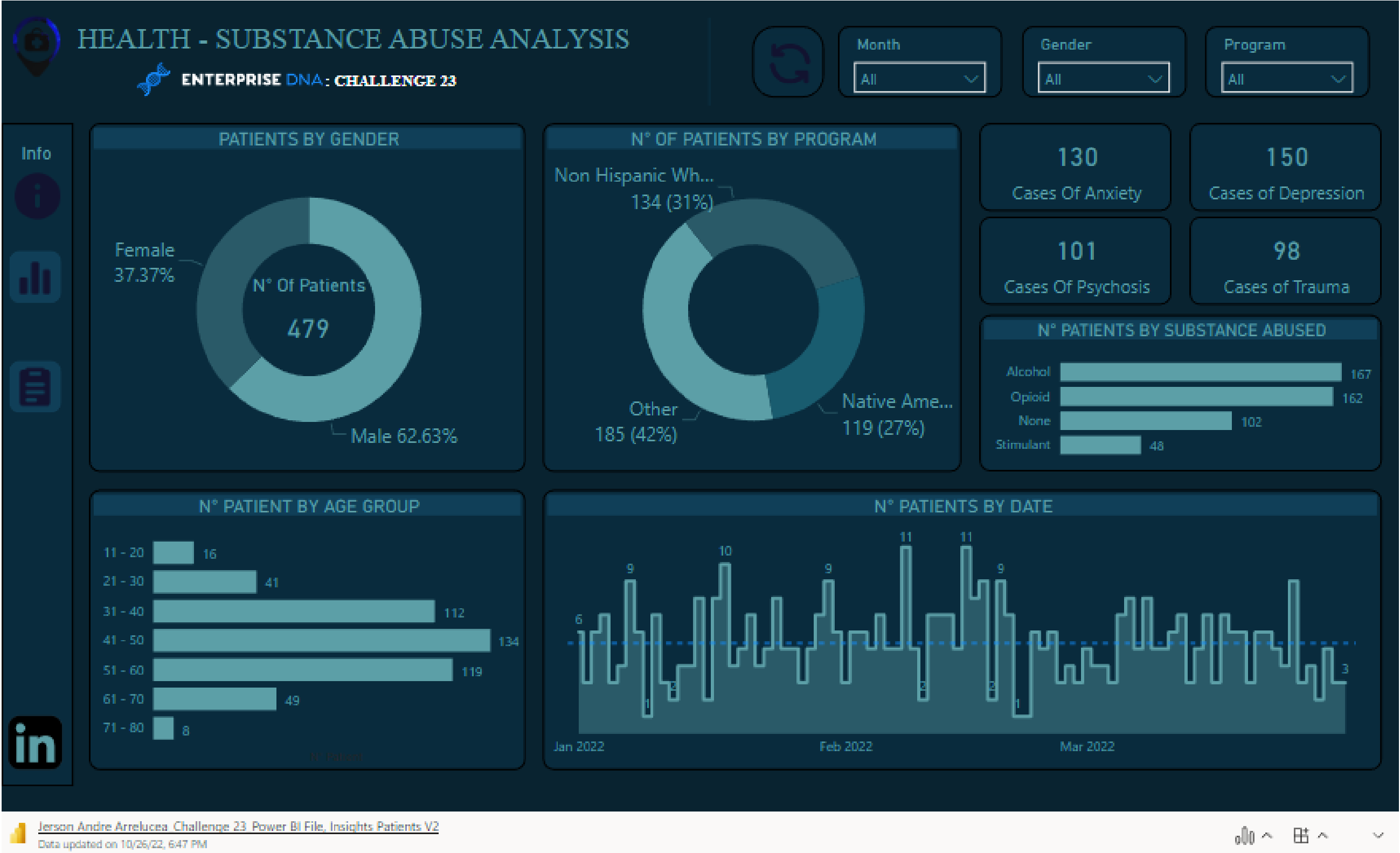
“Hi Enterprise DNA Team, this was my first submission, thank you very much for organizing this event, it was quite interesting and insightful. I hope you like it.”





Jerson Andre Arrelucea

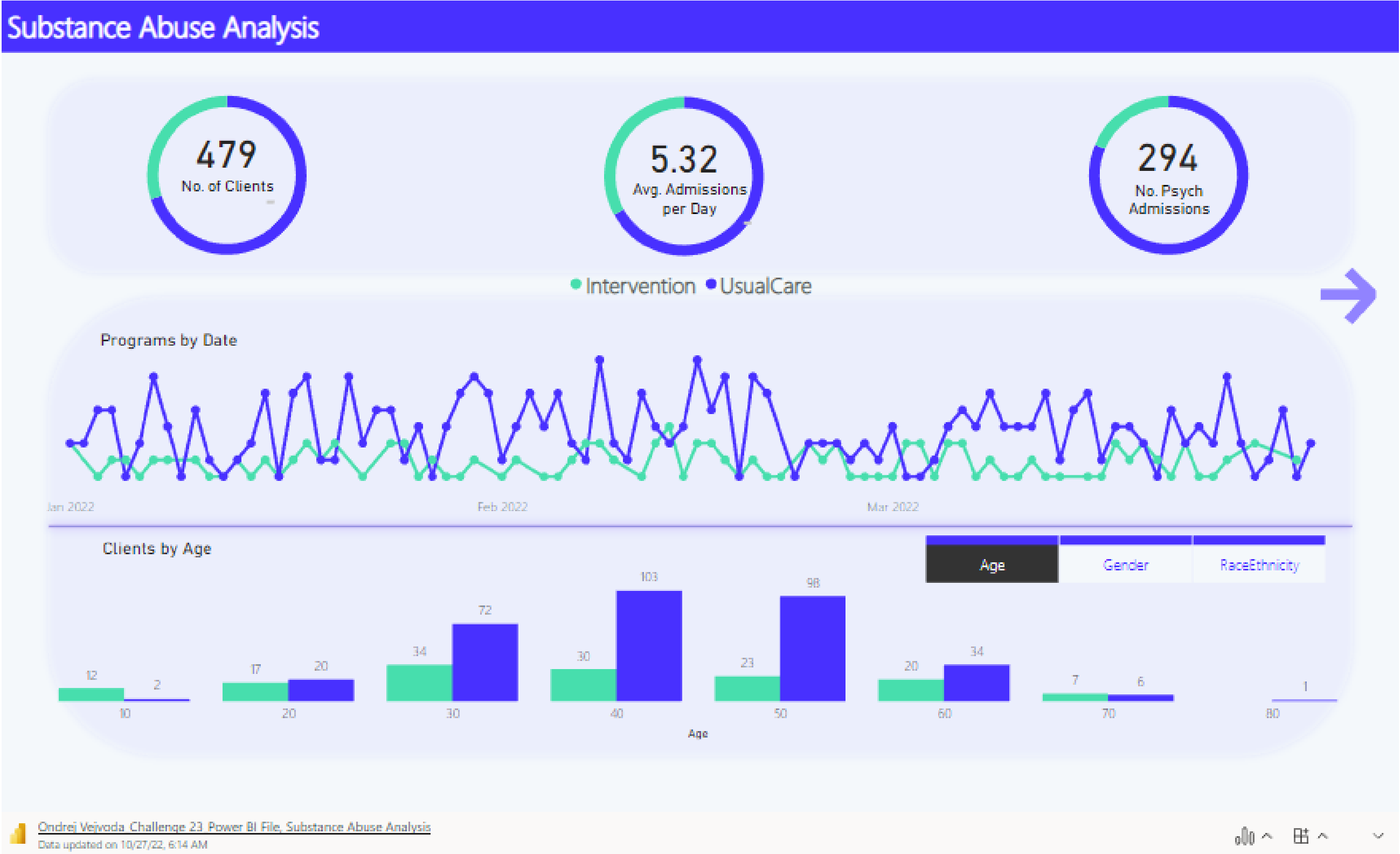
“Please fin my entry for Challenge 23 “Health-Substance Abuse Data Analysis”. Very interesting and full of insights dataset. I hope you like it.”

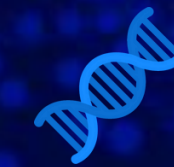




Ondrej Vejvoda

“Please fin my entry for Challenge 23 “Health-Substance Abuse Data Analysis”. Very interesting and full of insights dataset. I hope you like it.”





Aben

Koshy Alex

“Please fin my entry for Challenge 23. followed an approach of researching how the mental health and substance abuse industry works. Most questions focused on three key objectives:

1. High Patient Recovery
2. Reducing Psych Admits
3. Access to treatment

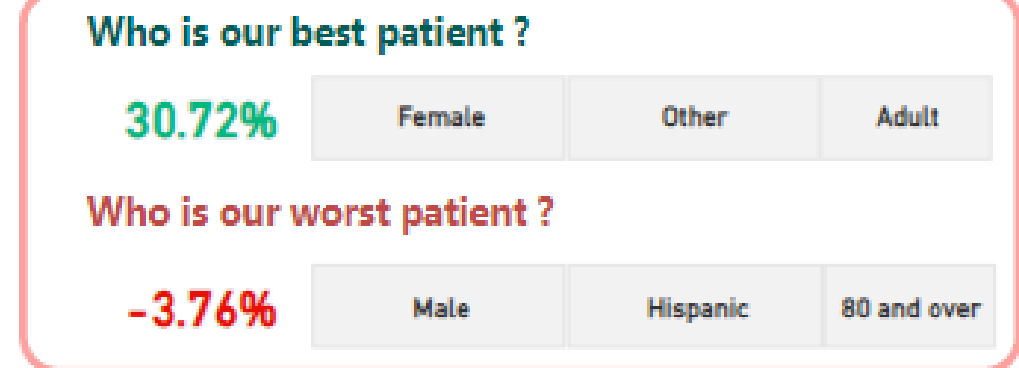
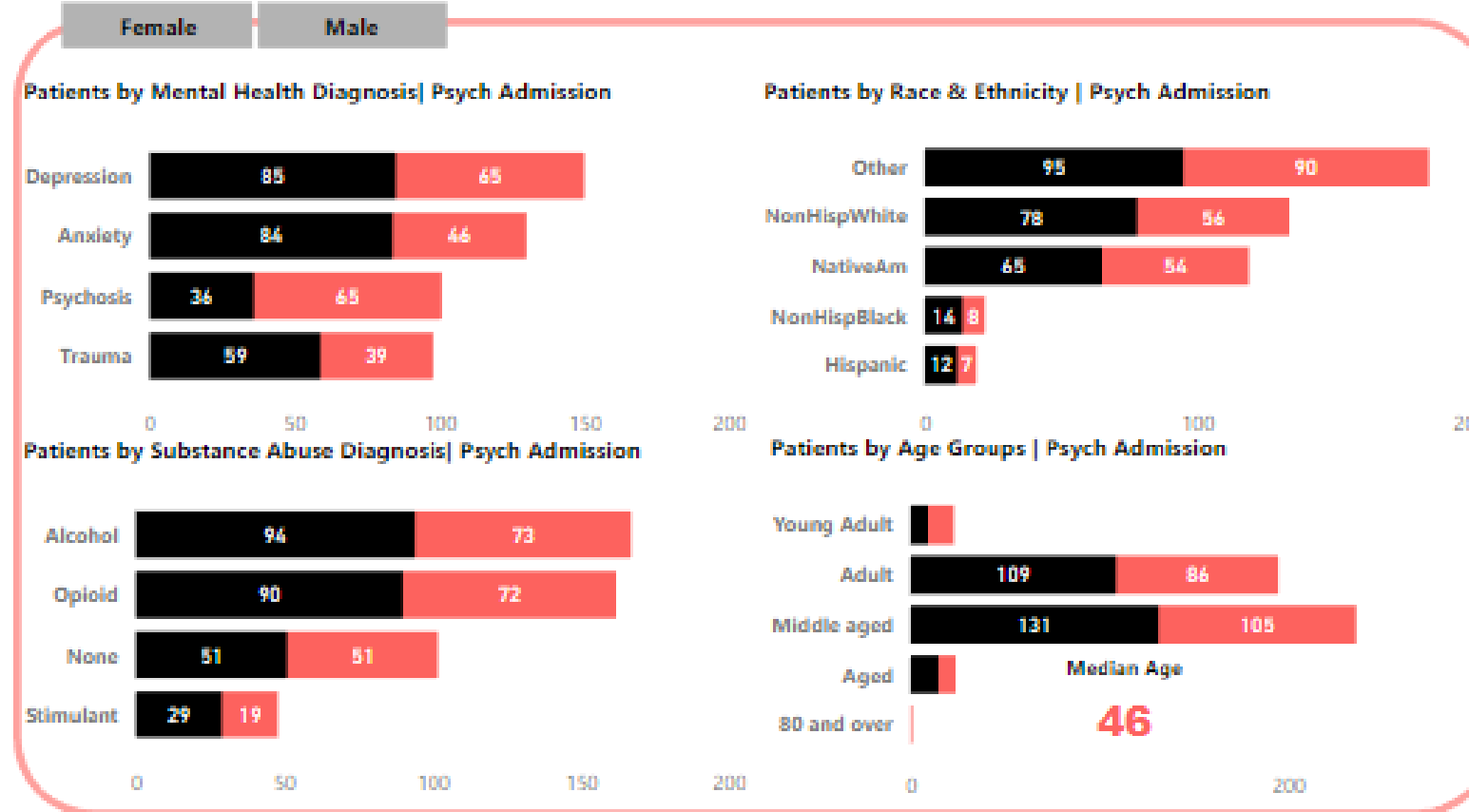
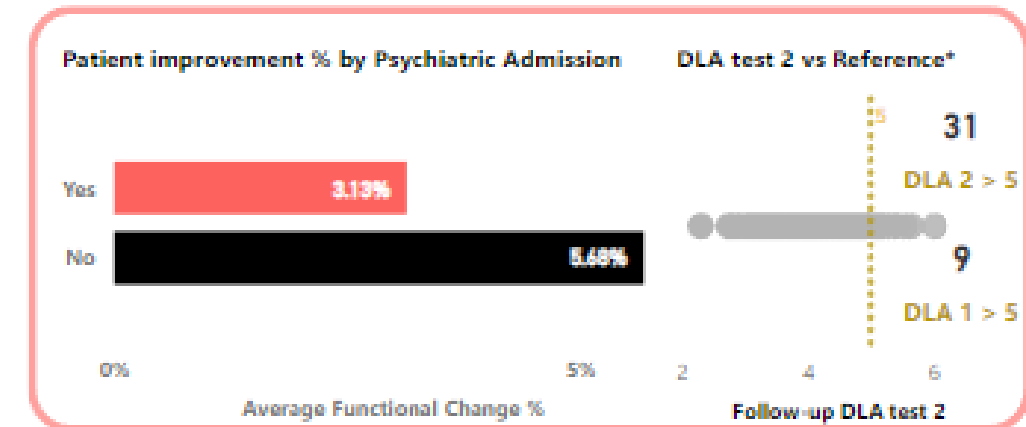
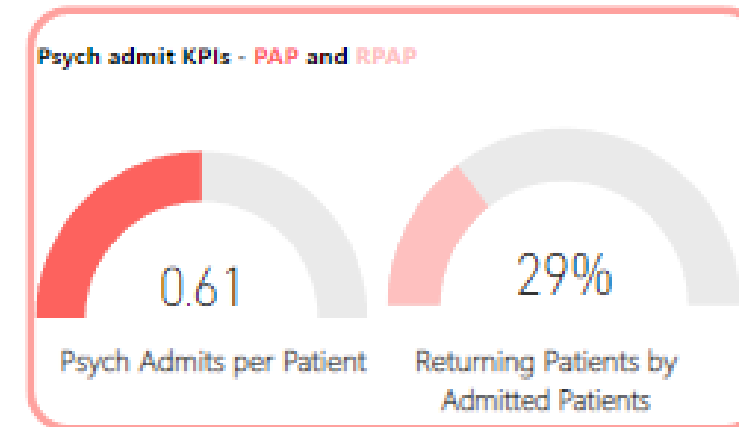
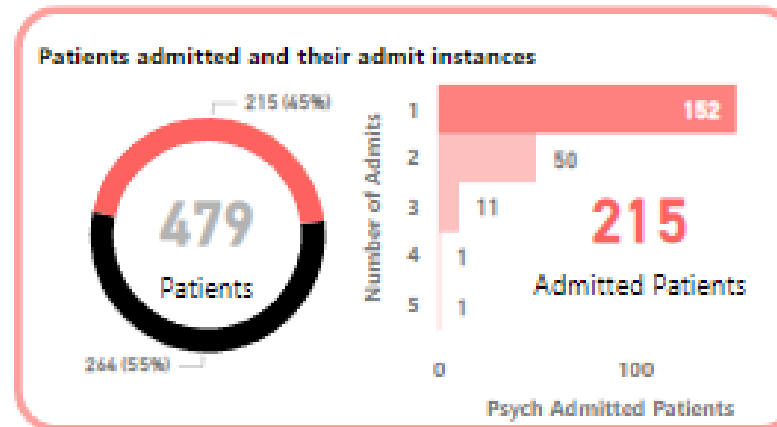
An efficient hospital program for everyone.”

What do Psychiatric admissions look like?

Of the 479 patients, 30% are INTERVENTION patients & 70% are USUAL

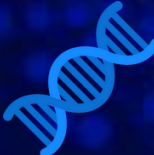
Intervention Usual Care Psychiatric Admissions Average DLA 1 Average DLA 2 Patients Improving

294 **3.88** **4.05** **288**



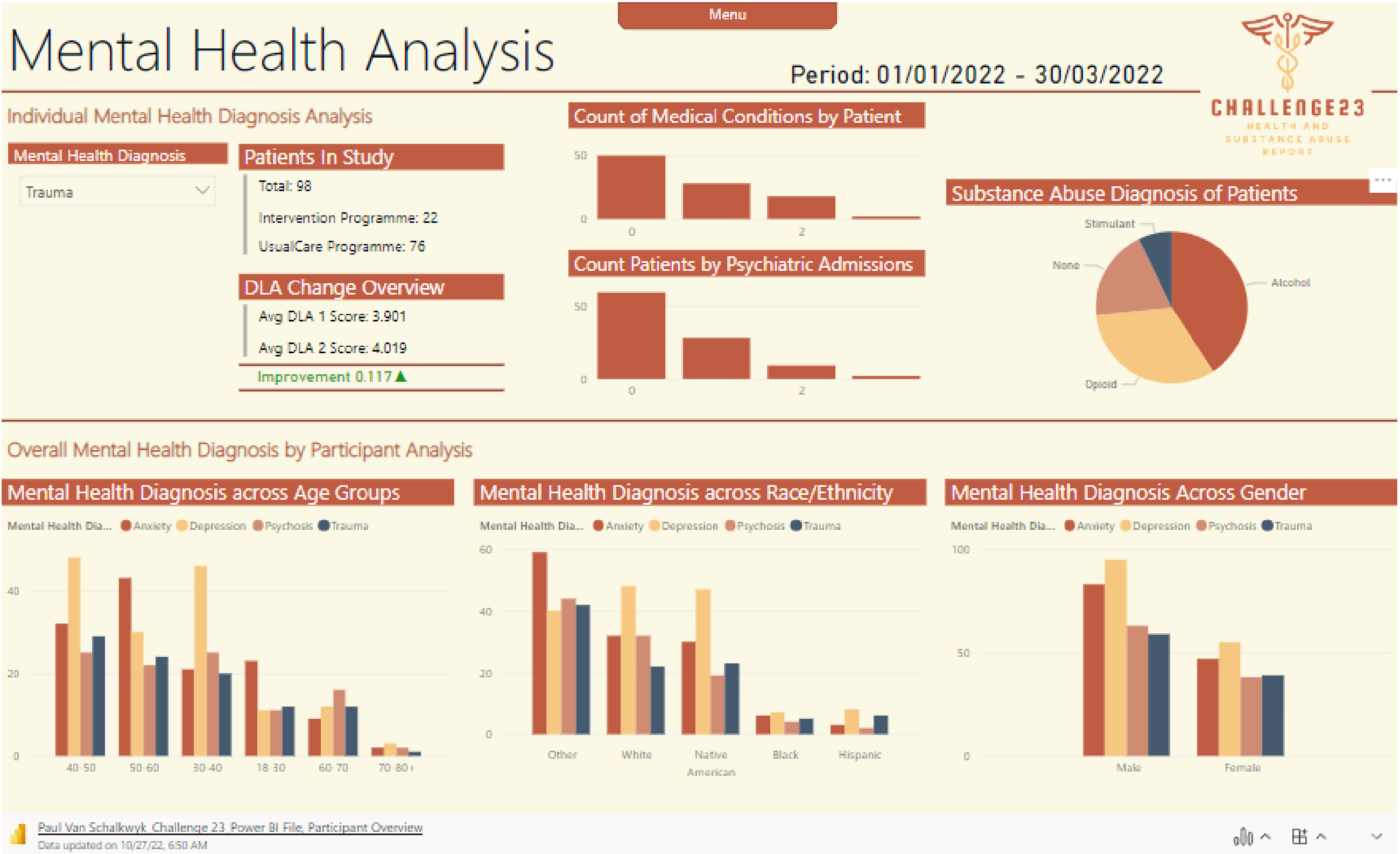
Key findings and recommendations

- Clearly **Intervention** is performing better than the **Usual** program. Average Functional improvement average is high in Intervention (15%). But, only 31 overall have a DLA followup score of more than 5. **Psychiatric admission patients improvement avg (Intervention) is as high as normal patients.**
- Hospital must **reduce RPAP to reduce PAP and prescribe Intervention after 1st admission.** Intervention Psych admit repeats are low.
- Psychosis patients contribute to 42% RPAP (high repeats) and high PAP.**
- Substance Abuse Patients form 78% of the patients.**
- Accessibility to the program has to be improved in **Hispanic and Black communities.**
- An overwhelming majority of people between the **ages of 24 to 65** are patients. They also contribute to **191 Psych Admitted Patients.**



Paul Van Schalkwyk

“Please find attached my first entry for a Enterprise DNA Challenge. I have been following the challenges for awhile but have never submitted before. I have a simple navigation menu at the top of the screen that allows the user to move to the next/previous page or isolate the data by a particular period.”



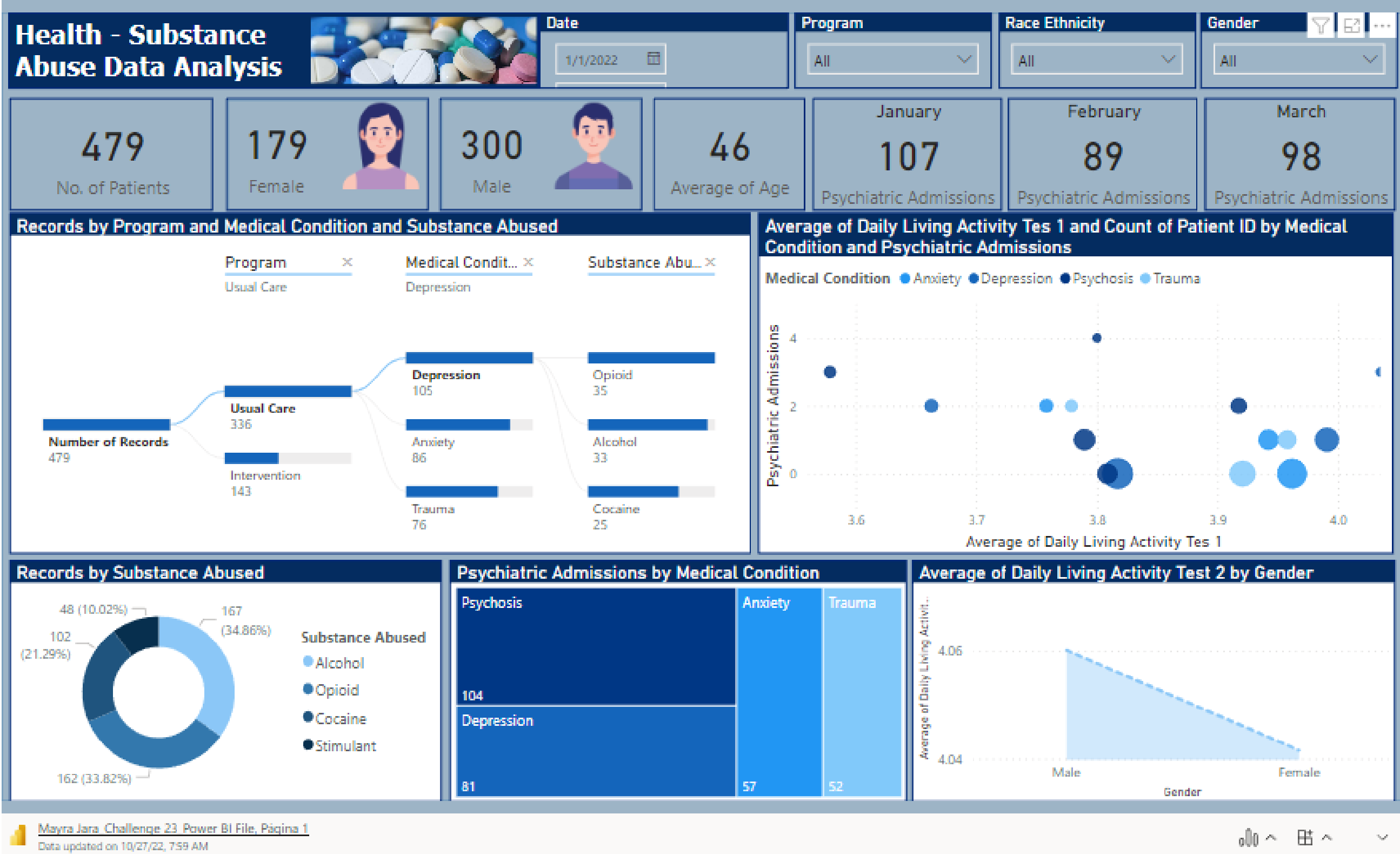
Gustaw & Brian

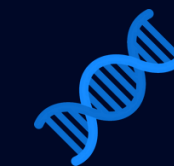
“Please find below our entry for the following Challenge. This time I was honoured to collaborate with Brian. Thank you for such opportunity. The amount of work that Brian have put into this challenge is unspeakable. I really hope that he will have a good opportunity to talk through all the analytical / statistical parts that he executed.”



Mayra Jara

“I accepted Enterprise DNA Challenge 23. This is my first participation. Thanks to Enterprise DNA for providing such an interesting dataset and giving the community the opportunity to improve our Power BI skills. I hope you like it”





Health – Substance Abuse Data Analysis

THANK YOU