



## Strengthening Your Data Analytics Skills & Techniques

Sessions are scheduled using Eastern Time.

### Tuesday, April 13

11:00 am – 11:15 am

#### **Welcome**

11:15 am – 12:15 pm

#### **Analytic Models & Strategies Part 1**

Examining the data analytical lifecycle and different platforms so that analysts can take full advantage of all that the data can reveal when fighting health care fraud. Provide a review of different platforms such as R, Jupyter/Python, Hadoop, SAS and SQL, including some basic coding examples and a brief touch on version control.

James Bowers  
Analytics Advisor, Data Scientist  
Cigna

Kelly McDonough  
Analytics Advisor, Data Scientist  
Cigna

12:30 pm – 1:30 pm

#### **Analytic Models & Strategies Part 2**

This session that will break down modeling concepts and strategies for trend and scheme analysis. This seminar will sharpen your skills and provide practical lessons for your caseload.

Jason DiNovi  
Senior Data Scientist  
Aetna

1:30 pm – 2:30 pm

#### **Break**

2:30 pm – 3:30 pm

#### **Creating a Provider Profile Report**

Explore the provider profile report tool developed to allow investigators to quickly see how much has been paid to a given subject, the types of services the subject provided, and whether they are related to other potentially fraudulent providers.

**Agenda was last updated: 4/6/2021**

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Speakers will focus on their collaboration to with agents to determine what information to include in the report and will demonstrate how the reports can be used to identify questionable billing patterns and potential fraud.

Mara Werner  
Data Scientist  
U.S. Department of Health & Human Services – OIG

Emily Chou  
Tool Developer  
U.S. Department of Health & Human Services – OIG

Kyle Mitchum  
Assistant Special Agent in Charge  
U.S. Department of Health & Human Services – OIG

3:45 pm - 4:45 pm

**SVRS: An Extrapolation of Fun**

Auditing large amounts of medical records can be both time-consuming and cumbersome. By utilizing statistically valid random sampling, one can save time for both auditors/investigators and providers while obtaining a desired degree of confidence and precision in the results. The presentation will focus on the mathematics behind statistically valid random sampling at an end user level which can be easily transferred to many applications.

Nathan Van Andel, CFE  
SIU IT Analyst  
MDwise, Inc.

**Wednesday, April 14**

1:30 pm – 2:30 pm

**Building Blocks: Synergy Through Data Analytics**

This session will provide a 360-degree overview of how specific programs and reporting processes can come together to build meaningful standard or ad-hoc reports to identify, guide and support FWA efforts. Key concepts that will be covered include enhancing reports using outside resources and useful output for end users. All the concepts will be tied together with a pharmacy example.

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Shameeka Jones, CFE  
Senior Manager, SIU  
Magellan Health

Alpha Diallo  
Senior Business Intelligence Specialist  
Magellan Health

2:45 pm - 3:45 pm

### **Time-Based Studies: Skills and Techniques**

Among the most valuable ways to utilize claims data across different lines of business is to measure providers on how many hours per day their services constitute. Often called “Time Bandits”, studies like these are used to identify providers billing an improbable, or impossible, number of hours on a given date of service, and often lead to other billing issues or areas of risk. But how does a claims analyst go about using a basic claims extract to achieve this level of insight, and how does one select providers for audit or investigation? Join the Healthcare Fraud Prevention Partnership's Trusted Third Party for an applied course in measuring, flagging and summarizing providers, using claims data from multiple payers, to identify potential Fraud, Waste and Abuse, that otherwise may not have been detected within any single line of business.

Eric Roberts  
Programmer Adviser  
Trusted Third Party / Healthcare Fraud Prevention Partnership

4:00 pm – 5:00 pm

### **A Sneak Peak, Turned Deep Dive Data Analysis: Residential Treatment Centers, Intensive Outpatient, and Partial Hospitalization Programs for Drug and Alcohol, and Psych Treatments**

This case study will walk through what started as a confirmation of an SIU's suspicion, that grew into a benchmarking review and data project with many arms and legs. We will follow the thought process of how each step led from one view to the next. Discussing along the way the importance of visually interpreting your data for the consumer. Together we will travel from the 10,000 foot level into the details that uncover actionable provider and member outliers and eventually, fruitful cases.

Jessica Gay, AHFI, CPC, CFE  
Vice President  
Integrity Advantage

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## **Thursday, April 15**

1:30 pm – 2:30 pm

### **AI Driven Healthcare Fraud Detection and Prevention Platform**

The session will discuss in detail different layers in a Fraud Detection Platform along with key characteristics of each layer from Healthcare standpoint. Following this the session will start moving towards role of AI in Healthcare Fraud and benefits of leveraging the same to create a Fraud Detection Platform before concluding the session with a guide on how to create an AI powered Healthcare Fraud Detection and Prevention Platform.

Mayank Kumar  
Associate Director Data Science  
UnitedHealth Group

2:45 pm – 3:45 pm

### **Claims Diversity Scoring Data Analytics Case Study**

Examine how to score and analyze providers who submit cookie-cutter claims.

Erik Jensen, PhD  
Data Scientist  
Anomaly

4:00 pm – 5:00 pm

### **Visualizing Outliers: Journey from Raw Data to Dashboards**

Starting from scratch? This session will overview how to develop a new dashboard and leverage best practices to ensure success. Best practices to include: requirement gathering, accessing data, defining KPIs (key process indicators), stress testing, and creating results that can be easily reviewed by investigators. Although the presentation is not tool specific, it will overview analytics developed within both Excel and Tableau.

Swati Jain  
Data Reporting Analyst III, Special Investigations Unit  
Horizon Blue Cross Blue Shield of New Jersey

Jennifer Olmeda  
Manager SIU Analytics  
Horizon Blue Cross Blue Shield of New Jersey

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