

# April, 2017 - July 2017 Stats

*Martin Gleason, MS*

*July 27, 2017*

## Purpose

This document is to summarize the last three months of CFO data, including: Attendance policy, attendance numbers, referrals, JEMS issues, tracking and storing data, and data transformation. A way forward with CFOs will also be presented. While some of the tables maybe be difficult to read, thanks to the magic of PDF formats, any reader should be able to zoom into items of note.

## Attendance

Critical to the continued success of the CFO is getting the attendance rate over 50%. Traditional JAC Orientation programming reached a cap of approximately 50%, with attendance numbers typically hovering between 20%-30%.

## Attendance Policy

A carry over from traditional JAC programming, young people are being referred to a CFO three times before not being eligible for the program. Where as traditional orientations did not have a referral process, CFOs do have a series of protocols inplace, including:

- Paper referrals that are given to each unit involved in CFO Programming
- Montly lists (generated from JEMS based Excel Spreadsheets) are given to SPOs of each unit
- Personalized form letters mailed between 5-10 days before a CFO
- A copy of this letter is also given to POs
- The letter's verbage reflects the more inclusive tone of the CFO, including "encouraging young people to attend" and their PO's last name as a person to contact if they cannot make the CFO
- Phone calls 12-38 hours before a CFO
- All phone calls are documented in JEMS
- Attendance is recorded on paper and in JEMS
- JEMS notes are typically entered within one week of a CFO
- This is more challenging than expected, but it will be explored further in the JEMS section

## Attendance Numbers

Getting these numbers is problematic for a variety of reasons, not the least of which because JEMS does not accurately track or export attendance numbers. To get numbers of this particular report, the following was done:

1. JEMS exported Excel tables were comibined into one table
2. Duplicate JEMS ID were removed
3. A new column, "Attendance" was added.

## Table

The first ten youth from that table are as follows

Table 1: First 10 CFO Youth in Alphabetical Order

FNAME	LNAME	Address	APRTNO	CITY	STATE	ZIP	SEX	JEMSID	POFNAME	POLNAME	CFO	Attended
DEMARCUS	ABRAM	13240 S CORLISS	NA	CHICAGO	IL	60827	M	10326791	JOSEPH	NAEGELE	Y	n
ERIC	AGUILAR	10230 S AVENUE G	NA	CHICAGO	IL	60617	M	10321465	LISA	BLOECHEL	Y	Not Yet
JUAN	ALCARAZ	1859 W CULLERTON ST	NA	CHICAGO	IL	60608	M	10316841	NICHOLETTE	VARGAS	N	NA
ARQUIS	ALEXANDER	4827 S PRAIRIE AVE	NA	CHICAGO	IL	60621	M	10352192	RODNEY	PURDY	Y	n
XAVIER	ALLEN	10727 S CALUMET AVE	1ST FLOOR	CHICAGO	IL	60628	M	10342391	VICTOR	JUNIOUS	Y	not yet
XAVIER	ALLEN	10727 S CALUMET AVE	UNIT 1	CHICAGO	IL	60628	M	10342391	VICTOR	JUNIOUS	Y	not yet
LATRELL	ALLEN	5616 S ABERDEEN ST	NA	CHICAGO	IL	60621	M	10335541	HANNAH	SIEGEL	Y	y
CAPRIA	ALLEN	5622 S HONORE ST	HOUSE	CHICAGO	IL	60636	F	10316032	DARRYL	DAWKINS	Y	y
JULIAN	ALMANZA	2511 N LAWNSDALE AVE	NA	CHICAGO	IL	60647	M	10341183	ANTWAN	JONES	N	NA
JOSE	ALVAREZ	3567 W PALMER STREET	D	CHICAGO	IL	60647	M	10347745	YVONNE	PULIDO	N	NA

This first table illustrates some of the difficulties with the JEMS Data. Despite being precleaned in Excel, some errors remain. For example, this record

Table 2: First Duplicate Youth

FNAME	LNAME	Address	APRTNO	CITY	STATE	ZIP	SEX	JEMSID	POFNAME	POLNAME	CFO	Attended
XAVIER	ALLEN	10727 S CALUMET AVE	1ST FLOOR	CHICAGO	IL	60628	M	10342391	VICTOR	JUNIOUS	Y	not yet
XAVIER	ALLEN	10727 S CALUMET AVE	UNIT 1	CHICAGO	IL	60628	M	10342391	VICTOR	JUNIOUS	Y	not yet

is duplicated, which inflates the number of youth counted by Excel.

While the table looks like it has 134 young people who were invited to CFOs, the actual number is 122, a 10% difference in who was invited to attend the program.

A 10% difference can make or break a program“;”however, there is an even more difficult issue. Given that the bulk of the work on CFO attendance is done in Excel, these duplicate entries are also inflating attendance records. Fixing these errors will be detailed in another section of this report.

## Additional Analysis

Previously, a series of stats were presented indicating attendance rates of the program. These numbers were painstakingly generated by handcounting rows of printed excel tables. By loading this data into a different program, more cleaning, counting, and analysis can take place. For example, the attendance records can be broken into three distinct representations an aggregate, disaggregated by zip code, and a bar chart.

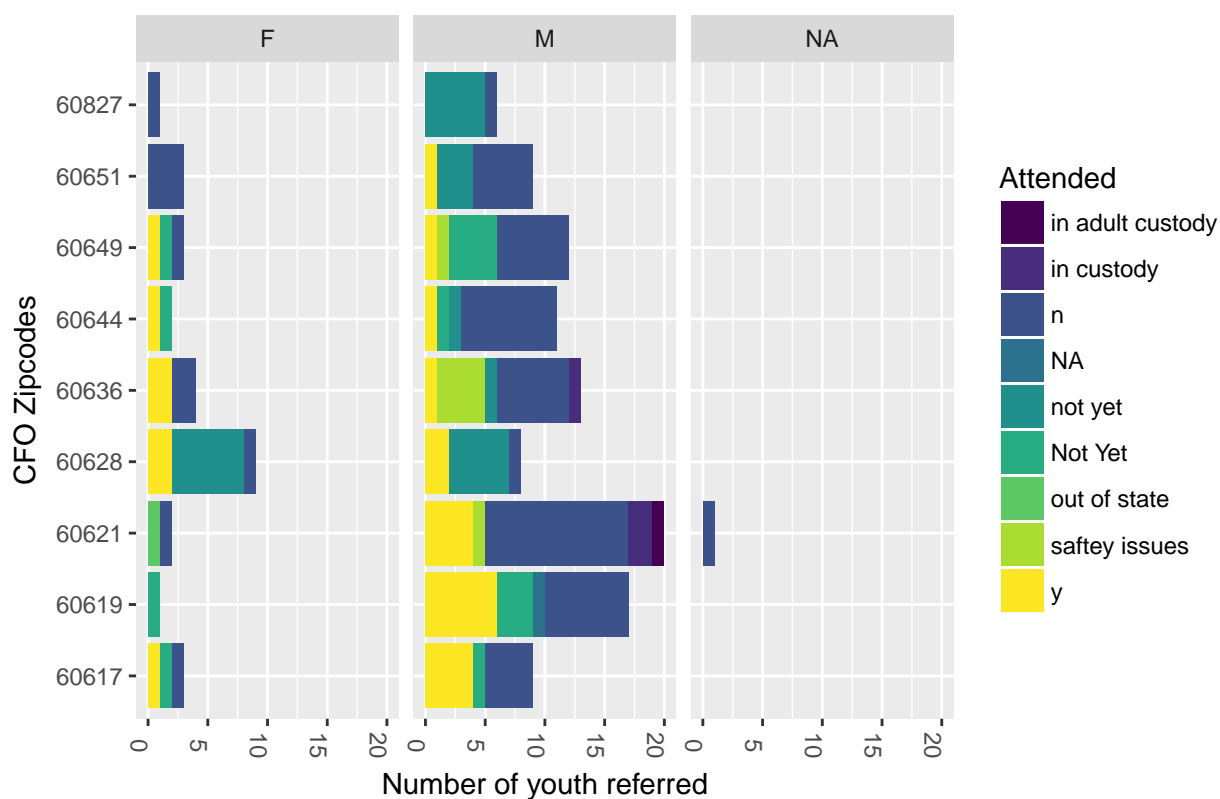
Table 3: Attendance of youth (aggregate)

Attended	Attendnace_Number
in adult custody	1
in custody	3
n	61
NA	1
not yet	21
Not Yet	13
out of state	1
saftey issues	6
y	27

Table 4: Attendance of youth, by Zipcode

ZIP	Attended	attendance_record
60617	n	5
60617	Not Yet	2
60617	y	5
60619	n	7
60619	NA	1
60619	Not Yet	4
60619	y	6
60621	in adult custody	1
60621	in custody	2
60621	n	14
60621	out of state	1
60621	saftey issues	1
60621	y	4
60628	n	2
60628	not yet	11
60628	y	4
60636	in custody	1
60636	n	8
60636	not yet	1
60636	saftey issues	4
60636	y	3
60644	n	8
60644	not yet	1
60644	Not Yet	2
60644	y	2
60649	n	7
60649	Not Yet	5
60649	saftey issues	1
60649	y	2
60651	n	8
60651	not yet	3
60651	y	1
60827	n	2
60827	not yet	5

## May 2017–July 2017 CFO Data



With a few lines of code, two tables and a graph were drawn to show how many young people have attended CFOs since April, 2017. This analysis also indicates two issues.

1. The attendance categories of in adult custody, in custody, n, NA, Not Yet, not yet, out of state, safety issues, y need clarification. Switching to numbers will improve clarity and analysis.
2. Some referrals do not have an assigned gender. This is due to human error, as JEMS only allows for a binary Male or Female category.

This data can be cleaned further, but it does point out trends. Of the 122 youth invited to attend a CFO since April, only 27 attended, a ratio of 22.1%.