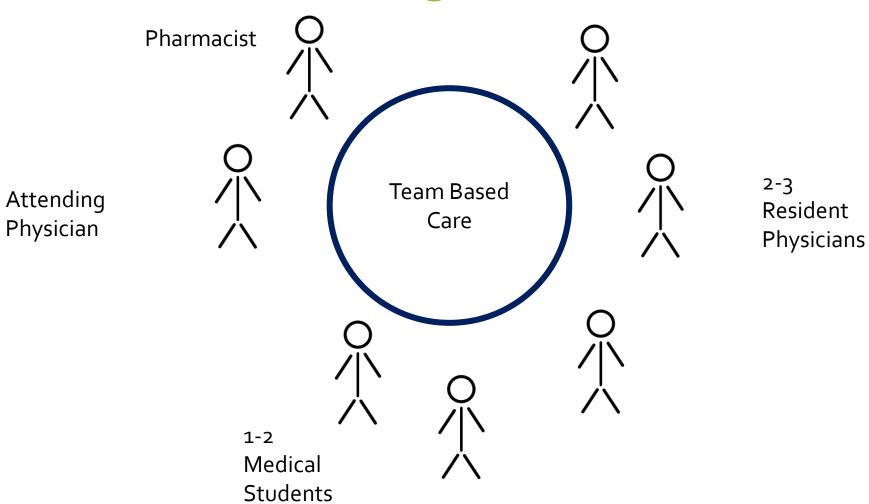
USING AN APITO ENHANCE EHR DATA

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Dell Medical School

Team Based Morning Rounds



Electronic Health Care Record Data

- EHRs are build for billing, not data analysis
 - Many data in notes
- Team level care in academic settings
 - Attribution is very difficult!

Accurate

Team Based

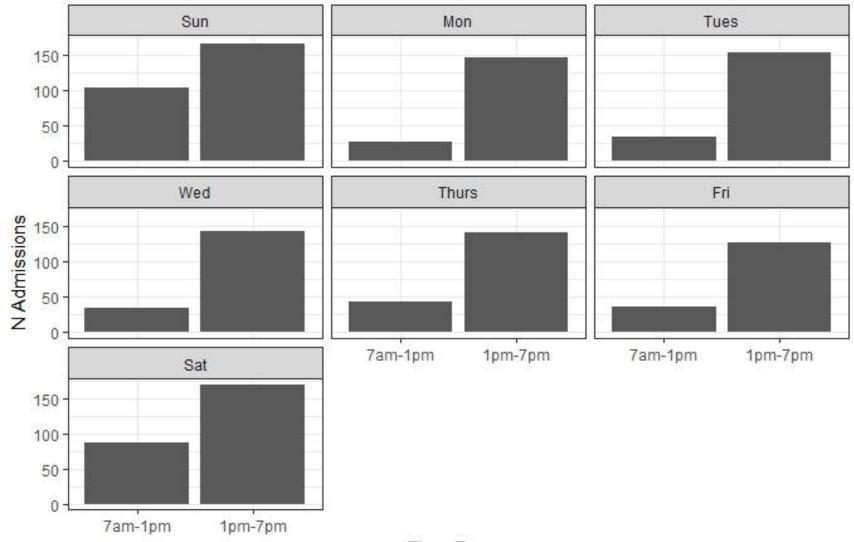
Timely

Clear

Writing Admission Orders

- Takes time!
 - Patient history
 - Physical exam
 - Medication history
 - Occur throughout the day
- Different times of the day are busy for different reasons
 - 8am-noon: Team rounding and seeing patients
 - Noon noon conference education for resident physician
 - 1-4pm: Writing orders, notes, seeing patients, admissions
 - 4-7pm: seeing patients, wrap up, consults, discharges

Admissions to Teams Jan-Jun 2018 Please note: some team assignments missing



Time Frame

Amion-Scheduling software



- ► Amion Physician Scheduling
 See why over 200,000 providers trust their schedules to Amion...
- **Groups** Plan time off, create schedules, trade shifts, page staff, and more! For residents, attendings and other medical providers.
- **Enterprises** Standardize an entire hospital into a single on-call list with paging, last-minute updates & much more!
- "P Top Ten Amion features you might not be using! #1 Use Online Editing to make simple assignment changes from anywhere even your phone!...

Help index

E=Enterprise A=Attendings R=Residents

Search

1. Introduction

A. General information

amion intro video

amion mobile app video

enewsletter sign up

free trial

groups vs. enterprises

overviews

new in amion

partners

video library

why choose amion?

B. Demos
attendings A
enterprises E
residents R

c. Licensing how do i pay?

footnotes, add/remove
holidays, add/remove
meetings
minimum staffing requirements R
notifications
pick up open shifts A
resident vacation requests R
submit hours worked A
special requests setup A
shift times, change mid-year
shift times, set
staff, add/remove A
staffing links
staff photos R
swap shifts setup A
SWAP

c. Rules & tools
<u>alter ego</u>
<u>automated scheduling</u>
<u>autoscheduler</u>

subsets ▶ tallies, limit access A

3. Using Schedules

A. Paging

<u>paging/messaging setup</u>

<u>preventing pager abuse</u>

<u>secure messaging faq</u>

<u>tigertext setup</u>

B. Reports

amion analytics

duty hours R

export data
printing schedules
programming interface (api)
resident highlight & tally R

tally (statistic) reports
who's away A
who's on vacation R

Assignments for 6-20-12 (as of Jun 20 16:34 2012 eastern time)

Field 1 - 3: Staff name, unique ID, backup ID

Field 4 - 6: Assignment name, unique ID, backup ID

Field 7 - 8: Date and time of assignment (GMTO=-5 1)

"Simmons, G",38,2,"Call",53,6,6-20-15,1700,2200

"Poon, E",31,4,"Backup",54,7,6-20-15,1700,2300

Add the parameters "Day=", "Month=" and/or "Year=" to specify the dates the data feed should return. The URL:

http://www.amion.com/cgi-bin/ocs?Lo=az1&Rpt=619&Month=6&Year=2016

would give you all the assignments for June 2015. Add "Day=" to specify a specific day, as in:

http://www.amion.com/cgi-bin/ocs?Lo=az1&Rpt=619&Day=5&Month=6&Year=2016

Add the word **tabs** after the report number to receive tab-delimited data instead of the quote-comma format shown above:

http://www.amion.com/cgi-bin/ocs?Lo=az1&Rpt=619tabs

Add a single '-' after Rpt=619tabs to suppress the headers altogether. Add two '-' signs to get a single row of field names, as in:

https://www.amion.com/cgi-bin/ocs? Lo=yedoc+path&Month=4&Year=2018&Rpt=619tabs

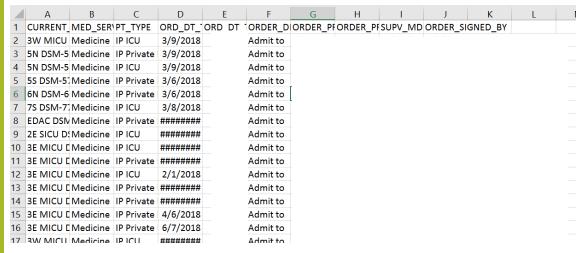
(The spaces in the URL keep mail systems from redirecting the URL to a malware-scanning service.)

Report 619 is one commonly used report but there are many others. Contact us if you need additional fields or if you'd like the data in a different format.

Go to R – script for calling API

Admit to orders raw data

One row = one admit



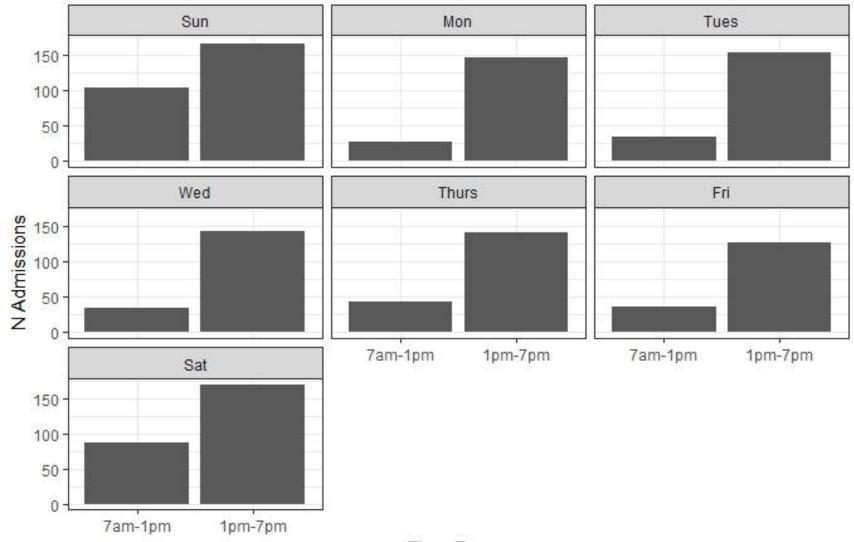


Keys for merge: Attending name Date of admit Daily schedule data



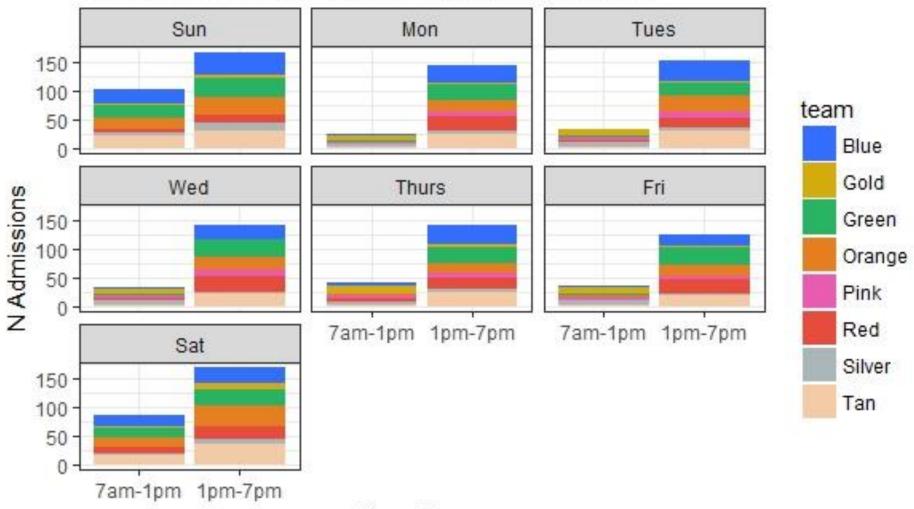
Team level admit to orders data

Admissions to Teams Jan-Jun 2018 Please note: some team assignments missing



Time Frame

Admissions to Teams Jan-Jun 2018 Please note: some team assignments missing



Time Frame

Conclusions

- Alternate data sources can aid in more accurate attribution of complex data
- Application Programming Interfaces (API) are great tools for pulling data sources from the web into R
- Important to match data delivery to care delivery (how data will be used)