



Diversity, Equity & Inclusion

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Questions

- What challenges have you encountered while enrolling research subjects in your emergency department?
- Why have research subjects in your emergency department declined to participate in clinical trials?
- What strategies have you implemented to improve the enrollment of research subjects in your emergency department?



Significance

- The emergency department (ED) is the point of entry or ‘safety net’ for populations who lack access to routine care.
- The ED serves as an important site for enrolling underrepresented groups in clinical trials for emergencies (e.g. stroke, TBI, and cardiac arrest) and for non-emergencies (e.g. hypertension)
- Many communities that have been marginalized are not appropriately represented in ED-based clinical trials



Challenges unique to ED-based clinical trials

- Unexpected
- Research subjects & LARs are overwhelmed
- Cannot find LARs
- Limited time
- Language barriers
- Different types of consent process
- Mistrust/distrust in medical research



Demographics of SIREN-NETT & StrokeNet Trials vs US Census

Study	Condition	Enrollment Period	N	Age	% Women		% Black		% Hispanic		% Asian	
					Trial	Pop.	Trial	Pop.	Trial	Pop.	Trial	Pop.
C3PO	COVID-19	08/2020 to 02/2021	511	54 (41-62)	53.6	50.8	20.2	13.4	30.5	18.5	3.5	5.9
RAMPART	Status epilepticus	06/2009 to 01/2011	893	44 ± 22	45.4	50.8	51.0	12.6	12	16.3	2.5	4.8
ProTECT III	TBI	04/2010 to 10/2013	882	35 (Range 17-94)	26.3	50.8	15.2	12.6	14.2	16.3	NA	4.8
ESETT	Status epilepticus	11/2015 to 10/2017	384	33 ± 25	44.5	50.8	43.0	12.7	16.4	17.8	NA	5.4
SHINE	Stroke	04/2012 to 08/2018	1151	66 ± 13.1	46	50.8	30.0	12.7	16	17.8	2.6	5.4
DEFUSE3	Stroke	05/2016 to 05/2017	182	71 (59-80)	50.5	50.8	8.2	12.7	13.2	17.8	3.3	5.4
TeleRehab	Stroke	09/2015 to 12/2017	124	61 ± 14	27.4	50.8	26.6	12.7	2.4	17.8	8.1	5.4
*Population data (Pop.) were obtained from the US Census from 2010 (RAMPART & ProTECT III), 2016 (ESETT, SHINE, DEFUSE3 & TeleRehab), and 2021 (C3PO)												

SIREN DEI Working Group – Mission

- To improve the diversity, equity, and inclusion of emergency department-based clinical trial process and the trial experience for historically marginalized and underrepresented populations



SIREN DEI Working Group – Goals

- Promote collaborations on DEI initiatives within SIREN
- Determine the data and context preferred for a public posting of trial accrual & decline by race, ethnicity, gender (or more?). How do we collect, analyze, and use this data?
- Determine which diversity data to collect about network staff and investigators. How do we collect, analyze, and use this data?



SIREN DEI Working Group – Potential Deliverables

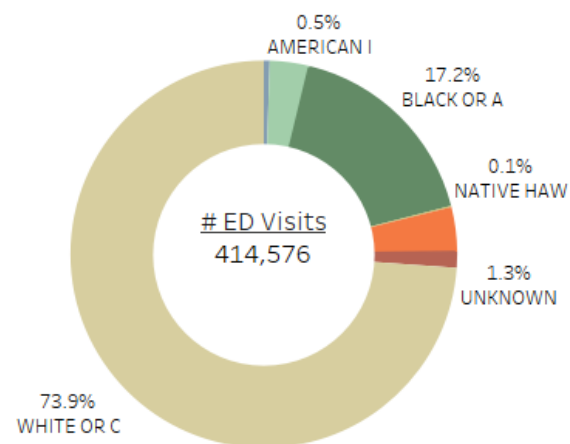
- Mixed method studies
- Grant proposals
- Systematic reviews and/or scoping reviews
- Op-Eds or editorials
- Multimedia platforms for community engagement & trial processes
- EHR analytics
- Toolkits
- Training materials
- Collaborations with other SIREN working groups
- Much more...



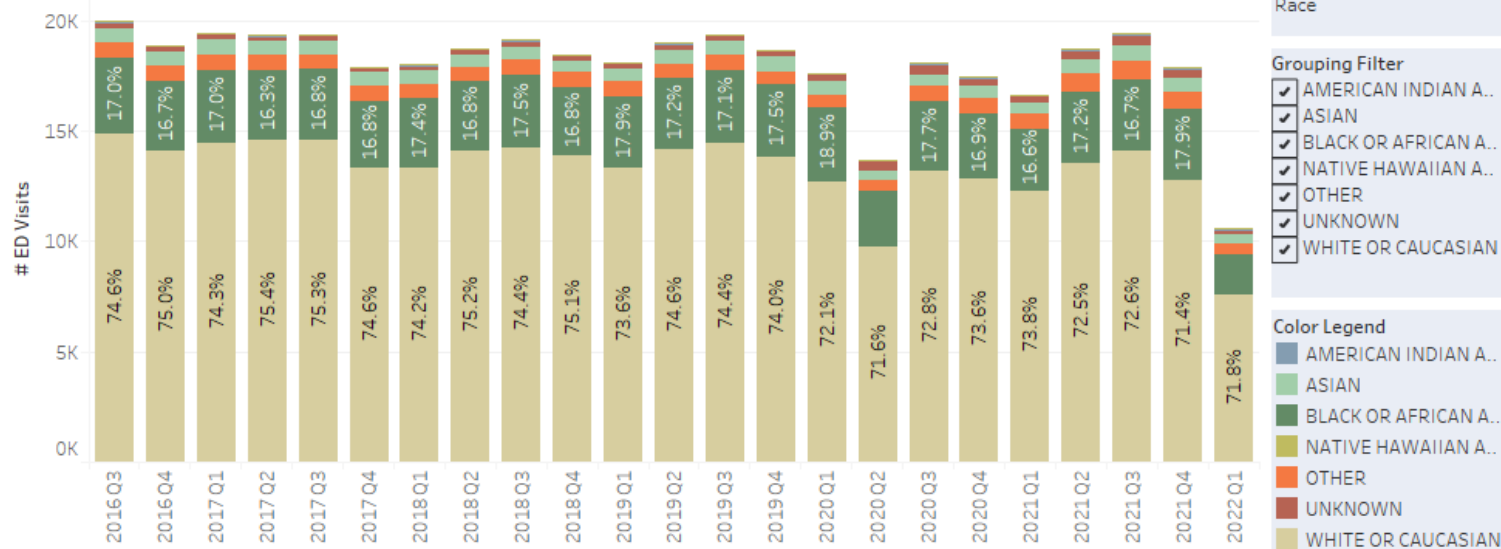
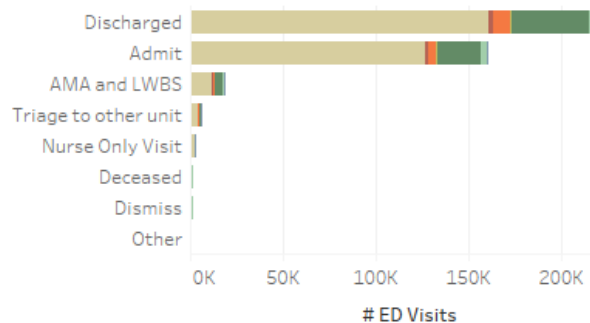
ED REAL Dashboard

[Help](#)

ED Visits by Race



Disposition by Race



ED Treatment Dept
AES-UH

ED Arrival Year
All

ED Arrival Date Range
Non-Null Values Only

Chief Complaint
All

Group Selector
Triage Acuity Level

Group Filter
All

Grouping Selector
Race

Grouping Filter

- ☒ AMERICAN INDIAN A..
- ☒ ASIAN
- ☒ BLACK OR AFRICAN A..
- ☒ NATIVE HAWAIIAN A..
- ☒ OTHER
- ☒ UNKNOWN
- ☒ WHITE OR CAUCASIAN

Color Legend

- AMERICAN INDIAN A..
- ASIAN
- BLACK OR AFRICAN A..
- NATIVE HAWAIIAN A..
- OTHER
- UNKNOWN
- WHITE OR CAUCASIAN

DEI Working Group – Membership

- All are welcome, especially those who are:
 - a. Early career investigators
 - b. Women
 - c. Underrepresented in science & medicine

