

Pivot Tables

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Question 1: What data are we using to create these tables?

After cleaning operations detailed in the GitHub Page of this project, STEP 1 and STEP 2, we were left with 469 police shot in cities with more than 10 police shot from April 20th, 2018 to April 20th, 2023.

We then obtained the information of how these police were transported to medical facilities through media research using the news, police press articles, and/or videos. After that, as in suicide cases, the EMS team usually were dispatched at the same time and oftentimes the officer were found dead so there is no need to transport the officer, we also dropped all suicide cases. ***This left us with 444 police shot.***

We then filtered out all cities that have more than 25% cases that we can not find the information of how officers were transported. ***This left us with 382 police shot.***

GEO	2018	2019	2020	2021	2022	2023	Total
Albuquerque, NM	1	2	1	6	NA	NA	10
Atlanta, GA	1	NA	4	2	5	1	13
Baltimore, MD	1	3	7	4	2	NA	17
Birmingham, AL	NA	3	3	5	NA	2	13
Chicago, IL	6	4	10	16	11	1	48
Columbus, OH	4	1	6	1	1	NA	13
Denver, CO	2	2	2	3	1	NA	10
Detroit, MI	NA	3	1	2	3	2	11
Houston, TX	4	11	4	10	11	NA	40
Indianapolis, IN	1	1	1	4	1	2	10
Kansas City, MO	3	2	3	1	1	4	14
Las Vegas, NV	NA	4	1	3	7	NA	15
Los Angeles, CA	3	2	4	2	3	3	17
Louisville, KY	NA	1	4	3	1	3	12
Memphis, TN	1	1	1	5	3	4	15
New Orleans, LA	NA	3	5	1	3	NA	12
NYC, NY	5	9	9	9	9	2	43
Philadelphia, PA	2	8	3	6	9	4	32
Phoenix, AZ	1	5	5	1	14	2	28
San Antonio, TX	NA	3	1	3	2	NA	9

Question 2: How were police transported in these cities?

GEO	Ambulance	Others	Unknown	Police Self-transfer	Total
Albuquerque, NM	6	1	3	NA	10
Atlanta, GA	4	NA	NA	9	13
Baltimore, MD	10	NA	2	5	17
Birmingham, AL	3	NA	1	9	13
Chicago, IL	12	1	5	30	48
Columbus, OH	8	NA	2	3	13
Denver, CO	5	NA	2	3	10
Detroit, MI	3	NA	2	6	11
Houston, TX	22	5	12	1	40
Indianapolis, IN	4	NA	2	4	10
Kansas City, MO	6	NA	2	6	14
Las Vegas, NV	4	1	4	6	15
Los Angeles, CA	9	1	1	6	17
Louisville, KY	6	NA	1	5	12
Memphis, TN	9	NA	3	3	15
New Orleans, LA	10	NA	NA	2	12
NYC, NY	14	NA	4	25	43
Philadelphia, PA	1	NA	4	27	32
Phoenix, AZ	17	NA	6	5	28
San Antonio, TX	3	NA	1	5	9

GEO	Ambulance	Others	Unknown	Police Self-transfer
Albuquerque, NM	0.60	0.10	0.30	NA
Atlanta, GA	0.31	NA	NA	0.69
Baltimore, MD	0.59	NA	0.12	0.29
Birmingham, AL	0.23	NA	0.08	0.69
Chicago, IL	0.25	0.02	0.10	0.62
Columbus, OH	0.62	NA	0.15	0.23
Denver, CO	0.50	NA	0.20	0.30
Detroit, MI	0.27	NA	0.18	0.55
Houston, TX	0.55	0.12	0.30	0.03
Indianapolis, IN	0.40	NA	0.20	0.40
Kansas City, MO	0.43	NA	0.14	0.43
Las Vegas, NV	0.27	0.07	0.27	0.40
Los Angeles, CA	0.53	0.06	0.06	0.35
Louisville, KY	0.50	NA	0.08	0.42
Memphis, TN	0.60	NA	0.20	0.20
New Orleans, LA	0.83	NA	NA	0.17
NYC, NY	0.33	NA	0.09	0.58
Philadelphia, PA	0.03	NA	0.12	0.84
Phoenix, AZ	0.61	NA	0.21	0.18
San Antonio, TX	0.33	NA	0.11	0.56

Question 3: Is there any trend through time?

Year	Ambulance	Police Self-transfer	Unknown	Others	Total
2018	21	12	2	NA	35
2019	27	32	7	2	68
2020	25	35	15	NA	75
2021	34	36	13	4	87
2022	34	35	15	3	87
2023	15	10	5	NA	30

Year	Ambulance	Police Self-transfer	Unknown	Others
2018	0.60	0.34	0.06	NA
2019	0.40	0.47	0.10	0.03
2020	0.33	0.47	0.20	NA
2021	0.39	0.41	0.15	0.05
2022	0.39	0.40	0.17	0.03
2023	0.50	0.33	0.17	NA