

An Exploratory of Citizens' Use of E-government service and Covid-19 compliance: A Case of City of Omaha

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Who uses government services online?

- Information, transaction, participation...
- Websites, social media, mobile apps...
- Why is this question SO important?
 - Economic benefits
 - Improve the quality of services
 - Improve communication with citizens and their engagement
 - Enhance transparency and trust in government
 - Potential sources of 'big' data and AI

Who uses
online
participation
platforms in
local
government?

- 311 Service

See Service Requests on a Map

Search by location, date, or topic to see Service Requests that are open or were closed within the last five days.

Address

Address

500 feet

Borough

Date

From

To

Problem Area

Traffic and Parking

Problem

Illegal Parking

Community Board

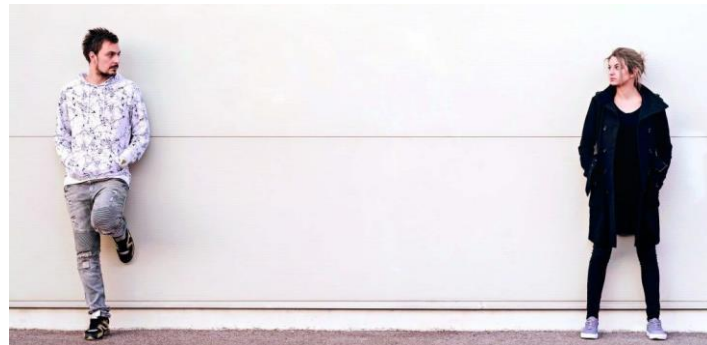
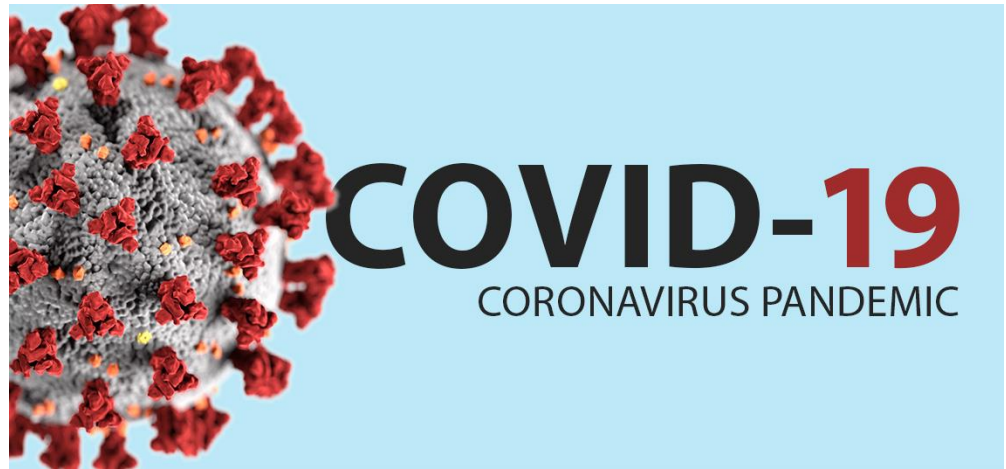
Search

Looking for more information? Check [NYC Open Data](#) for all Service Requests since 2010.

Who uses
social media
on local
government
agencies?

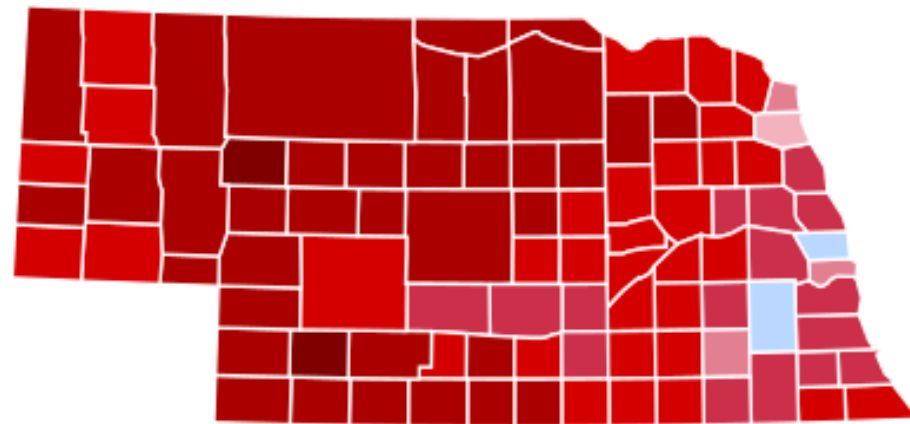


Who
complies
with Covid-19
guidelines?

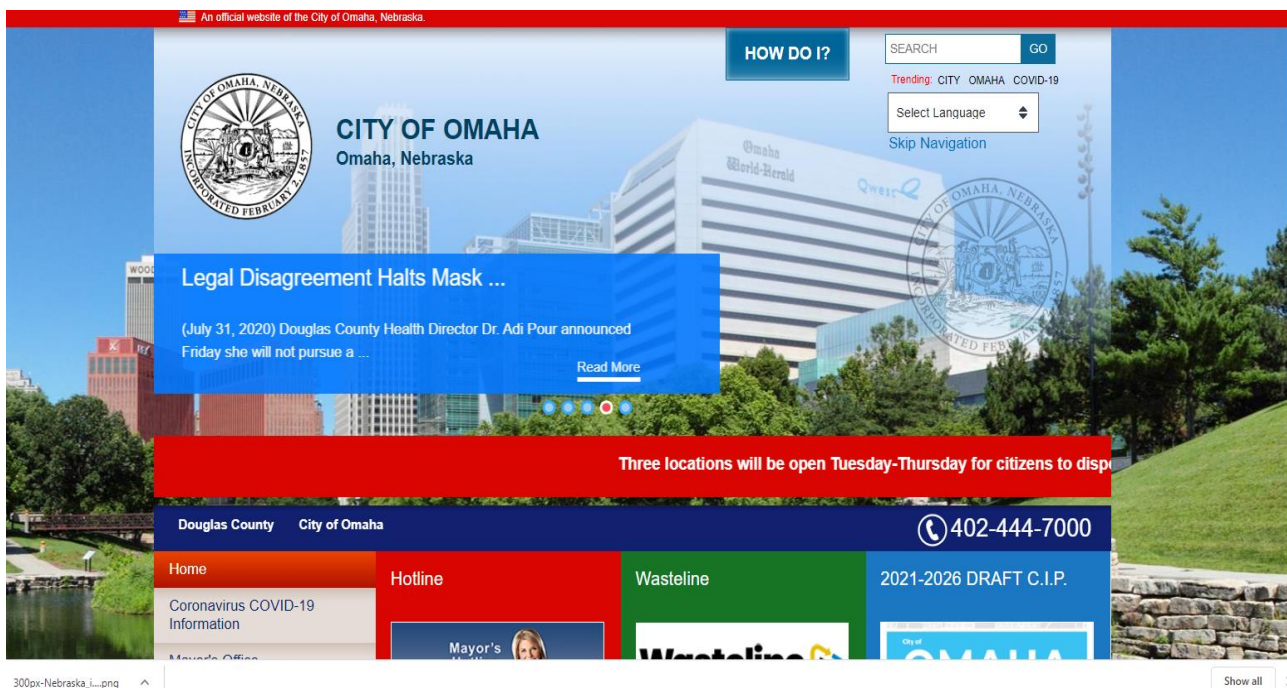


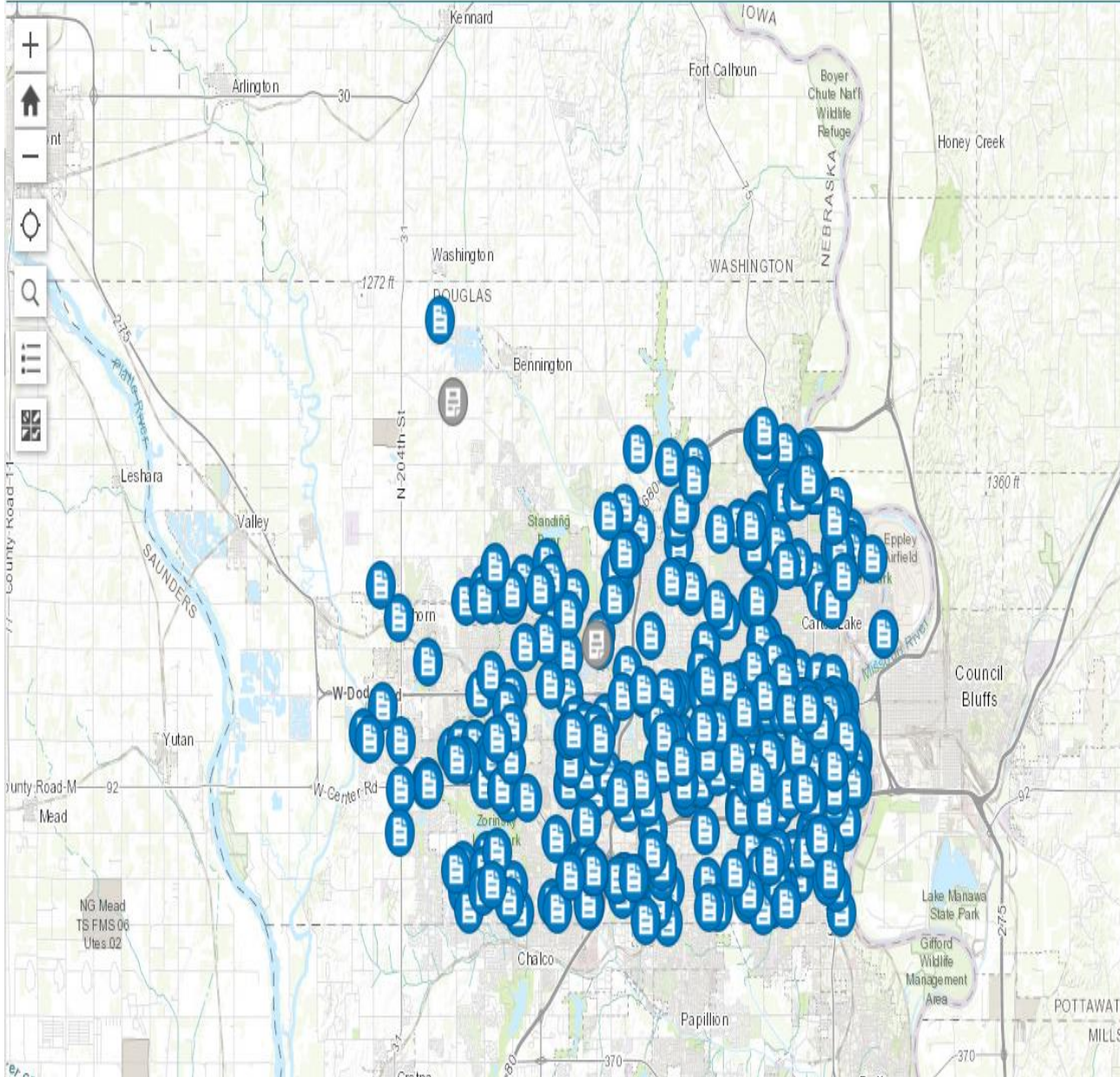
Research Context

- City of Omaha
 - Population: 478,192 (Pop. Estimates, July 1, 2019)
 - Broadband Internet (2014-2018): 81.2%
- City of Omaha Government: Strong Mayor system
 - Mayor: Republican (Since 2013)
 - City Council (7 members; 4 D vs. 3 R)
 - 12 departments, including Police, Library, Park & Recreation, and Fire
 - 2020 City Budget (All Fund): \$1.1 billion



Political Landscape: 2016 Presidential Election





Pothole Reports	
+ Start a New Report	
ID# 364947 - Pothole - 9/14/2020	
ID# 364932 - Pothole - 9/13/2020	
ID# 364929 - Pothole - 9/13/2020	
ID# 364917 - Pothole - 9/13/2020	
ID# 364906 - Pothole - 9/12/2020	
ID# 364897 - Pothole - 9/12/2020	
ID# 364896 - Pothole - 9/12/2020	
ID# 364891 - Pothole - 9/12/2020	
ID# 364885 - Pothole - 9/11/2020	
ID# 364879 - Pothole - 9/11/2020	
ID# 364856 - Pothole - 9/11/2020	

FOR THE LATEST CORONAVIRUS COVID-19 INFORMATION, [PLEASE CLICK HERE.](#)

Text Size - | +

Welcome to my website.

Mayor's Hotline

402-444-5555

hotline@cityofomaha.org

Report issues online at OmahaHotline.com



In 2019, we responded to over 96,000 calls and emails from citizens. Every month, we post the Hotline Report on this page.

Local government is a customer service business. You - the taxpayers - are our customers. That's why one of my primary goals is to improve the taxpayer experience.

So, it's important to understand what our customers want and expect, and then look for ways to help.

Hotline Report	
8/1/2020 - 8/31/2020	
Abandoned Vehic(Str)	395
Pothole	243
Weed Issue	214
Litter Issue	209
Trash/Recycling/Yard	166
Graffiti	164
Tree/Shrub Issue	140
Parking Issue	123
City Park Issue	108
Sign/Barricade Issue	64
Auto Litter	63
Pavement Issue	59
Code/Housing Violati	58
ROW Debris/Litter/Si	53
Unlicensed Vhcl -Str	51
Illegal Dumping	45
Traffic Signal	44
Speed Enforcement	37
Abandoned Vehicle	36
Community Center	31
Streetlight - OPPD	27
Vehicle & Licensing	23
Sidewalk/Driveway	20
Traffic Hazard	20
Sewer Issue	18
ROW Vegetation Repai	12
Unlicensed Vhcl - PP	11
Stormwater/Construct	9
Animal Control	8
Expired Plates - Str	7
Alley Repair	6
Curb Issue	6
Expired Plates - PP	6
Narcotics	6
Speed Enforc (major)	6
Building Permits	4
Cave In/Undermine	4
DC Abandoned Vehicle	4

DC Weed Complaint	4
Waste Complaints	4
Zoning Violation	4
City Golf Issue	3
Curb Repair	3
DC Pothole	3
DC Tree Issue	3
Pavement Marking	3
Resurfacing Request	3
DC Pavement Issue	2
DC Sign	2
ROW Erosion Issue	2
Sidewalk Obstruction	2
Storm Damage-STREET	2
Animal and Insect Co	1
Construction - GP	1
Construction Concern	1
DC Parking Issue	1
DC Traffic Hazard	1
Feedback to Public W	1
Misssing/BrokenCover	1
Plugged Inlet	1
ROW Drainage Issue	1
Repair or Upkeep	1
Septic System Issues	1
Sunken or Caved-In	1
Swimming Pool Issues	1
Timing Issue	1
TOTAL	2554

Of the total above:

- 715 were nuisance vehicle reports
- 1,193 OmahaHotline.com reports

An additional 64 OmahaHotline.com reports came in regarding COVID-19.

The collage displays several social media profiles for Omaha-based organizations:

- Omaha Police Department** (@OmahaPoliceDept): A Twitter profile with a blue header and a profile picture of a police officer. The bio states: "Official page of the Omaha Police Department. This account is monitored 24/7. Call 911 or anything requiring a police response." It has 120,280 followers and 122,929 people who follow it.
- City of Omaha Parks & Recreation** (@OmahaParks): A Twitter profile with a blue header and a profile picture of a park. The bio states: "This is the Official Page of the City of Omaha Parks & Recreation. To see what's happening in Omaha, click the link below." It has 120,280 followers and 122,929 people who follow it.
- Omaha Fire Department** (@OmahaFireDept): A Twitter profile with a blue header and a profile picture of a fire truck. The bio states: "The Omaha Fire Department is committed to providing the highest quality fire and rescue services to the citizens we serve. Omaha Fire Department Social Media Terms: http://bit.ly/2HkRbW". It has 120,280 followers and 122,929 people who follow it.
- Omaha Public Library** (@OmahaLibrary): A Twitter profile with a blue header and a profile picture of a book. The bio states: "Omaha Public Library strengthens our communities by connecting people with ideas, information and innovative services." It has 120,280 followers and 122,929 people who follow it.
- Omaha PoliceneWS**: A YouTube channel with 31 subscribers. The bio states: "Omaha PoliceneWS is the official YouTube channel of the Omaha Police Department. We post videos of police activities, community events, and more." It has 31 subscribers and 122,929 people who follow it.
- Omaha Fire Department** (YouTube): A YouTube channel with 12 subscribers. The bio states: "Omaha Fire Department is the official YouTube channel of the Omaha Fire Department. We post videos of fire activities, community events, and more." It has 12 subscribers and 122,929 people who follow it.


Social Media Services:
Follower/Subscriber

- As of September 14, 2020

AGENCY	FACEBOOK	TWITTER	YOUTUBE
Police Department	122.929	114.8K	31
Library	11,538	9,881	384
Parks and Recreation	14,335	4,033	N/A
Fire	15,926	11.4K	12



Survey

- Survey questionnaire
 - Part I
 - Online services, social media services, citizen participation practice and impact, government innovativeness, inclusiveness, trust and transparency in government, organizational reputation, demographics
 - Part II: Optional
 - Compliance with the Covid-19 pandemic guidelines
- 

Survey (cont.)

- Sampling frame
 - ReferenceUSA
 - 473,151 residents in Omaha (as of February, 2020)
- Random sampling
 - 4,000 residents
 - Mail survey with Qualtrics link
- 1st round: July 15 – July 31 2020
 - 334 valid responses

U.S. Consumers / Lifestyles

488,045 Results

68,761 with e-mail addresses [\[more info\]](#)

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◀ 1 ▶

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[Summary](#)

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— NEW! —



Telephone numbers displayed may be on a Do-Not-Call list and should not be used for solicitation. You are responsible for the compliance with all federal, state and local laws.

<input type="checkbox"/>	First Name	Last Name	Street Address	City, State	ZIP	Phone
<input type="checkbox"/>	Nomel	Smith	5710 S 108th St Apt 216	Omaha, NE	68137	Not Available
<input type="checkbox"/>	Carolyn	Smith	5710 S 108th St Apt 216	Omaha, NE	68137	Not Available
<input type="checkbox"/>	Christoph	Heaney	406 S 48th Ave	Omaha, NE	68132	Not Available
<input type="checkbox"/>	Mydge	Heaney	406 S 48th Ave	Omaha, NE	68132	Not Available
<input type="checkbox"/>	Margaret	Heaney	406 S 48th Ave	Omaha, NE	68132	Not Available
<input type="checkbox"/>	Marian	Heaney	406 S 48th Ave	Omaha, NE	68132	Not Available
<input type="checkbox"/>	Robert	Heaney	406 S 48th Ave	Omaha, NE	68132	Not Available
<input type="checkbox"/>	Richard	Rassfeld	6407 S 116th St	Omaha, NE	68137	Not Available
<input type="checkbox"/>	Barbara	Rassfeld	6407 S 116th St	Omaha, NE	68137	Not Available

Activate Windows
Go to Settings to activate Windows.

Sample: Demographics

Variable	Characteristic	Sample (%)	Omaha Pop (%)	U.S Pop (%)
Gender	Male	44.8		
	Female	55.2	50.6	50.8
Race/Ethnicity	White alone (not Hispanic/Latino)	88.3	66.8	60.1
	Black/African American	5.7	12.3	13.4
	Hispanic/Latino	5.2	13.9	18.5
	Others (e.g. Asian)	6.0	7	8
Education	Bachelor's degree or higher	71.5	36.6	31.5

Source: <https://www.census.gov/quickfacts/omahacitynebraska>

Sample: Annual Household Income

Median Annual
Household Income
(2014-2018):

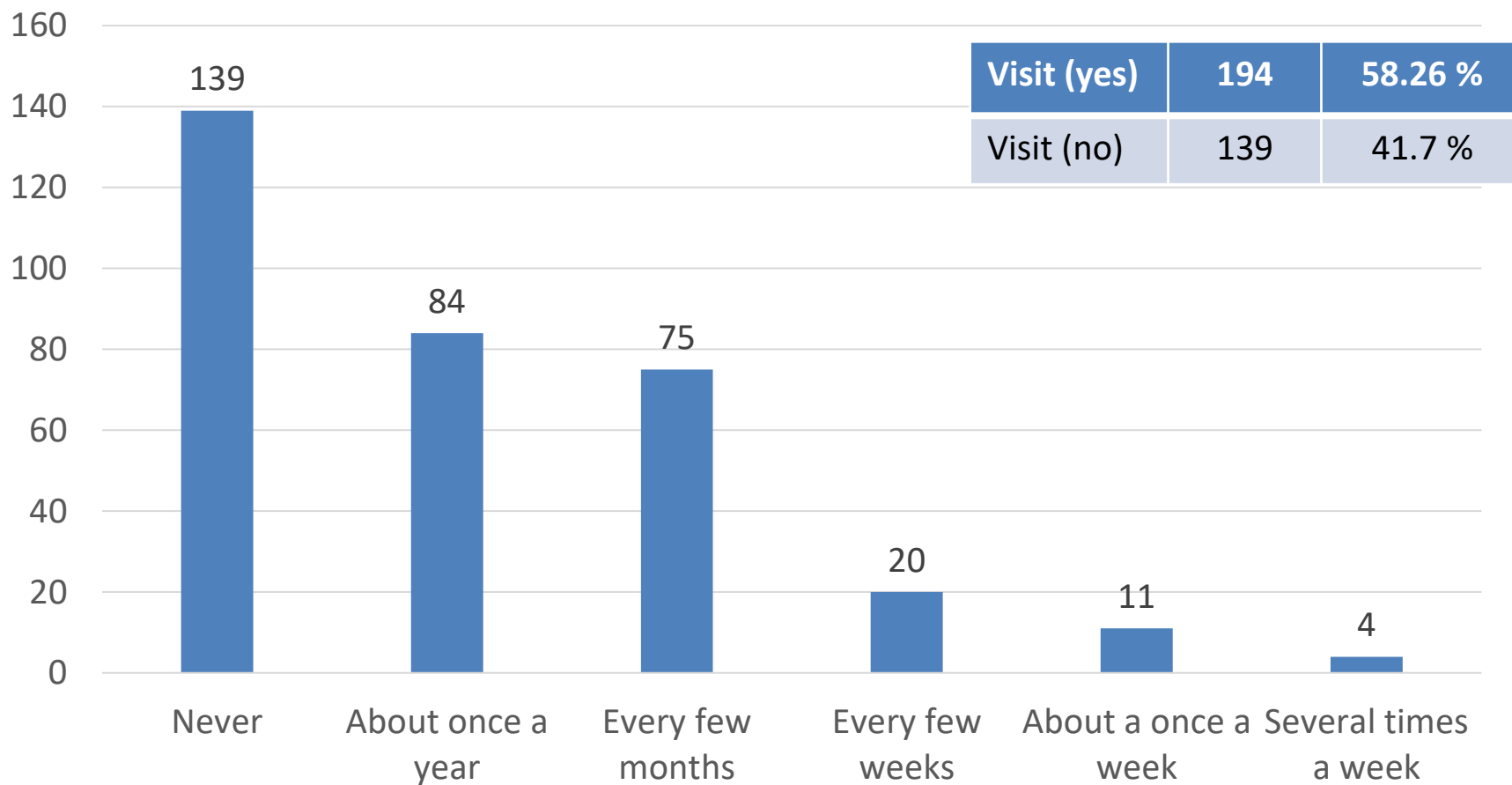
\$56,780 (Omaha)
vs. \$60,293 (U.S)

2019 Household Income	Frequency	Percent
Less than \$25,000	28	9.72
\$25,000-\$49,999	40	13.89
\$50,000-\$74,999	64	22.22
\$75,000-\$99,999	44	15.28
\$100,000-\$150K	56	19.44
More than \$150k	56	19.44
	288	100

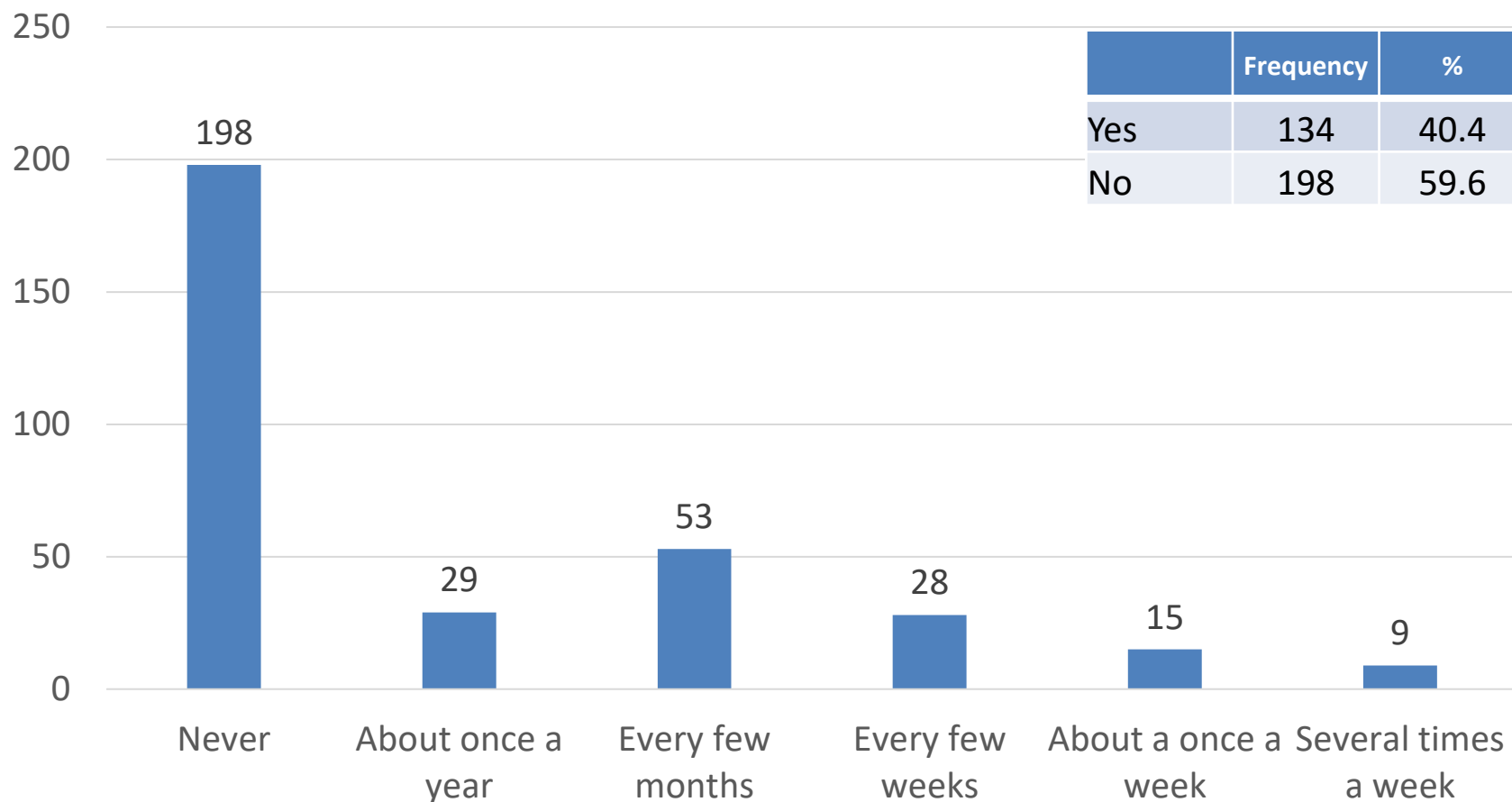
Sample:
Political
Perspective

	Frequency	%
Very progressive	24	7.8
Progressive	70	22.9
Moderate	117	38.2
Conservative	74	24.2
Very conservative	21	6.9
	306	100

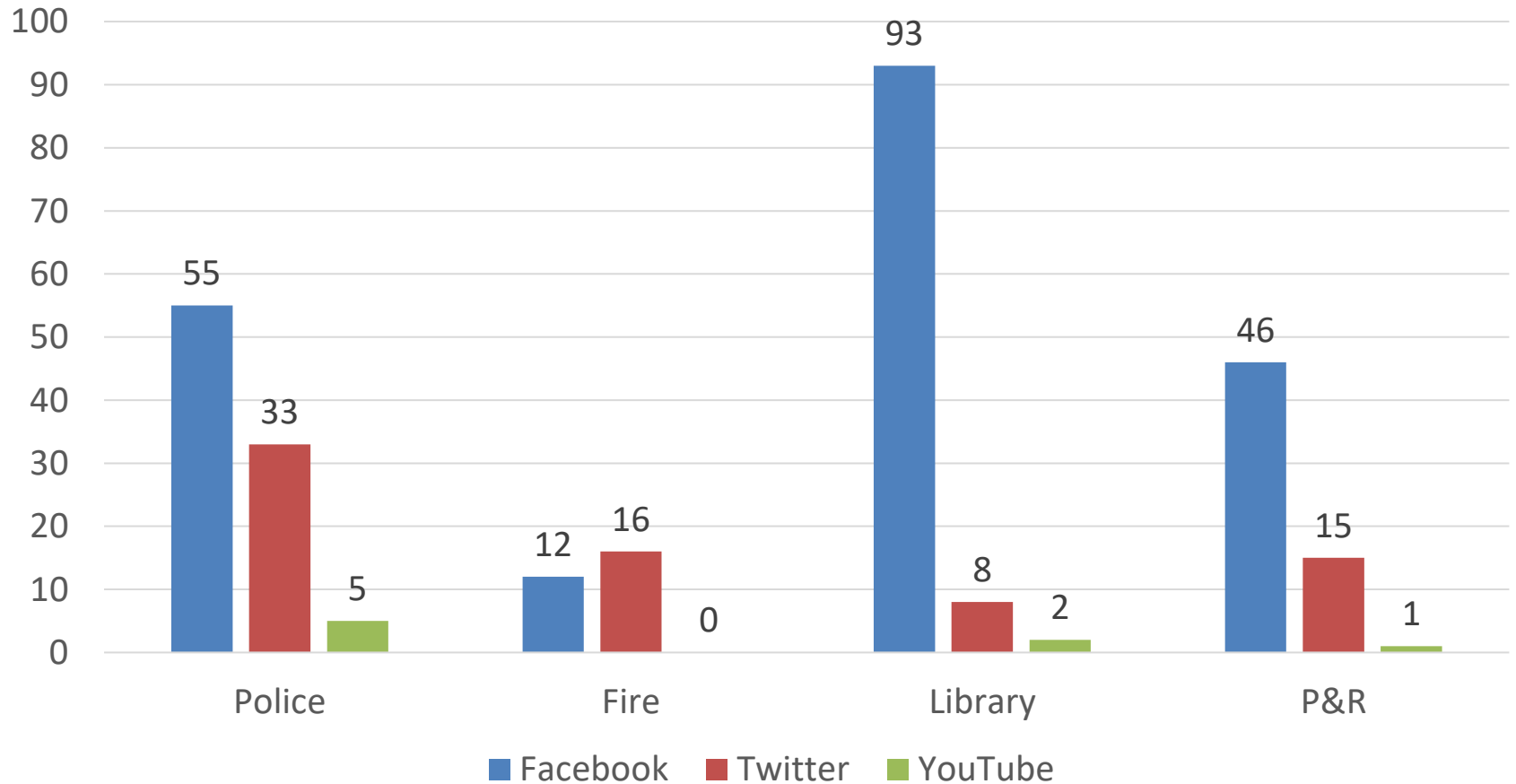
In the past 12 months, on average, how often did you visit the City of Omaha website?



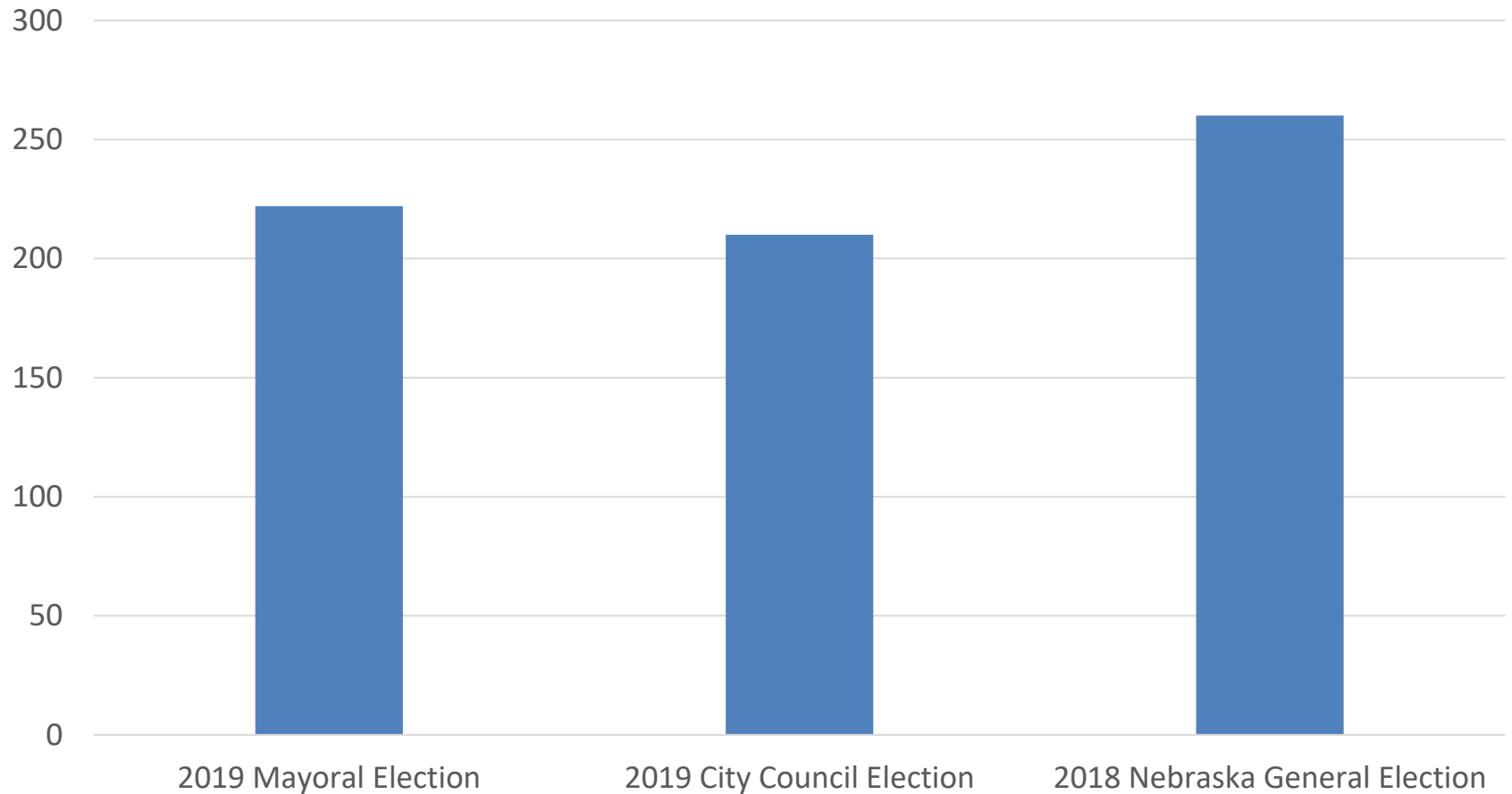
In the past 12 months, on average, how often have viewed or used any of the City of Omaha government agencies social media (e.g. Facebook, Twitter, YouTube)?



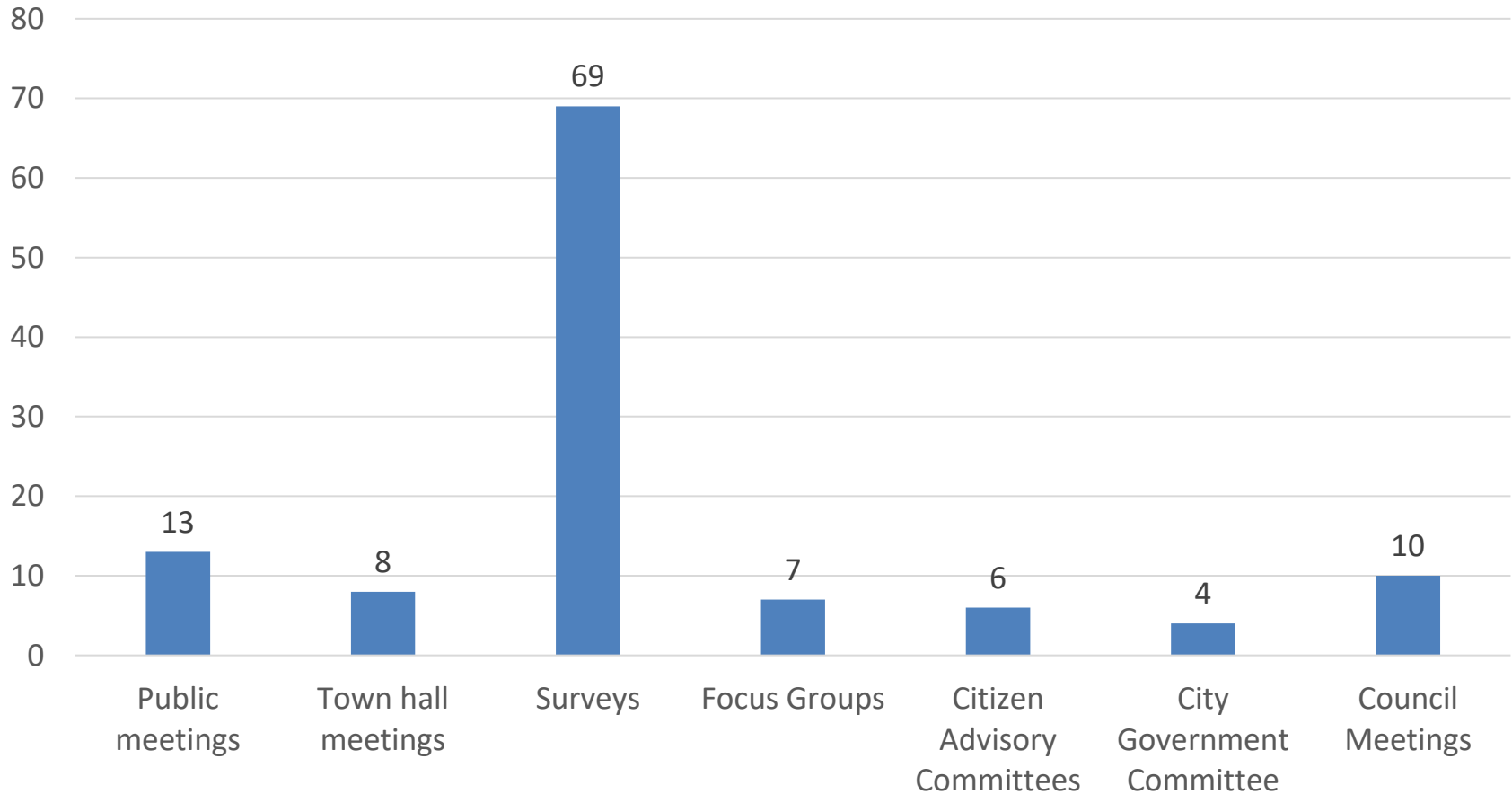
Social Media Follower/Subscriber



Did you cast your vote in each of the following elections?



In the past 12 months, did you participate in the following activities organized or performed by the City of Omaha?



Who is
likely to
visit the
City of
Omaha
website?

visit	Coef.	Std. Err.	z	P> z
age	-.003539	.0116652	-0.30	0.762
female	.15219	.306458	0.50	0.619
whiteonly	.5035685	.4772201	1.06	0.291
edu				
Some college/associates	-.3221697	.5942804	-0.54	0.588
Bachelor's	-1.035085	.5476845	-1.89	0.059
Master's +	-.6052428	.5585294	-1.08	0.279
pol_view3				
Moderate	-.6938252	.3796148	-1.83	0.068
Conservative	-.8370547	.4040791	-2.07	0.038
home	1.137014	.4539498	2.50	0.012
house_income				
\$25k-\$49,999	1.540398	.7314134	2.11	0.035
\$50k-\$74,999	1.192982	.7062152	1.69	0.091
\$75k-\$99,999	1.231337	.75047	1.64	0.101
\$100k-\$150K	1.297349	.7728025	1.68	0.093
More than \$150k	.5724008	.7553035	0.76	0.449
sm_use	.8199416	.3302735	2.48	0.013
pol_par2	.4556977	.3611551	1.26	0.207
public par	.5882398	.2605161	2.26	0.024
_cons	-1.434128	.9685804	-1.48	0.139

Logistic regression

Number of obs = 226

LR chi2(17) = 39.02

Prob > chi2 = 0.0018

Log likelihood = -131.10608

Pseudo R2 = 0.1295

Who is
likely to
use social
media in
the City of
Omaha?

sm_use	Coef.	Std. Err.	z	P> z
age	-.0321861	.011318	-2.84	0.004
female	.2900342	.3020375	0.96	0.337
whiteonly	-.3014075	.4522272	-0.67	0.505
edu				
Some college/associates	.341121	.5661841	0.60	0.547
Bachelor's	.2185928	.5342583	0.41	0.682
Master's +	.0590382	.5472168	0.11	0.914
pol_view3				
Moderate	.5349706	.363213	1.47	0.141
Conservative	.7662572	.4019464	1.91	0.057
home	-.1281557	.449668	-0.29	0.776
house_income				
\$25k-\$49,999	-.1820426	.7200295	-0.25	0.800
\$50k-\$74,999	-.5245352	.6997026	-0.75	0.453
\$75k-\$99,999	-.3257994	.7388368	-0.44	0.659
\$100k-\$150K	-.3717787	.7575726	-0.49	0.624
More than \$150k	-.3923039	.7570552	-0.52	0.604
visit	.8403645	.3318036	2.53	0.011
pol_par2	.4598074	.3571477	1.29	0.198
public_par	.4087592	.2362027	1.73	0.084
_cons	.1949587	.8895797	0.22	0.827

Logistic regression

Number of obs = 226

LR chi2(17) = 32.38

Prob > chi2 = 0.0135

Log likelihood = -136.15144

Pseudo R2 = 0.1063

Comparison

Visit The City of Omaha Website	Coef.	Std. Err.	z	P> z
age	-.003539	.0116652	-0.30	0.762
female	.15219	.306458	0.50	0.619
whiteonly	.5035685	.4772201	1.06	0.291
edu				
Some college/associates	-.3221697	.5942804	-0.54	0.588
Bachelor's	-1.035085	.5476845	-1.89	0.059
Master's +	-.6052428	.5585294	-1.08	0.279
pol_view3				
Moderate	-.6938252	.3796148	-1.83	0.068
Conservative	-.8370547	.4040791	-2.07	0.038
home	1.137014	.4539498	2.50	0.012
house_income				
\$25k-\$49,999	1.540398	.7314134	2.11	0.035
\$50k-\$74,999	1.192982	.7062152	1.69	0.091
\$75k-\$99,999	1.231337	.75047	1.64	0.101
\$100k-\$150K	1.297349	.7728025	1.68	0.093
More than \$150k	.5724008	.7553035	0.76	0.449
sm_use	.8199416	.3302735	2.48	0.013
pol_par2	.4556977	.3611551	1.26	0.207
public_par	.5882398	.2605161	2.26	0.024
_cons	-1.434128	.9685804	-1.48	0.139

Use of the City of Omaha Agencies' Social Media	Coef.	Std. Err.	z	P> z
age	-.0321861	.011318	-2.84	0.004
female	.2900342	.3020375	0.96	0.337
whiteonly	-.3014075	.4522272	-0.67	0.505
edu				
Some college/associates	.341121	.5661841	0.60	0.547
Bachelor's	.2185928	.5342583	0.41	0.682
Master's +	.0590382	.5472168	0.11	0.914
pol_view3				
Moderate	.5349706	.363213	1.47	0.141
Conservative	.7662572	.4019464	1.91	0.057
home	-.1281557	.449668	-0.29	0.776
house_income				
\$25k-\$49,999	-.1820426	.7200295	-0.25	0.800
\$50k-\$74,999	-.5245352	.6997026	-0.75	0.453
\$75k-\$99,999	-.3257994	.7388368	-0.44	0.659
\$100k-\$150K	-.3717787	.7575726	-0.49	0.624
More than \$150k	-.3923039	.7570552	-0.52	0.604
visit	.8403645	.3318036	2.53	0.011
pol_par2	.4598074	.3571477	1.29	0.198
public_par	.4087592	.2362027	1.73	0.084
_cons	.1949587	.8895797	0.22	0.827

Who is likely to use Hotline?

	headline	Coef.	Std. Err.	z	P> z
	age	.0349404	.0230413	1.52	0.129
	female	-.0480267	.5862603	-0.08	0.935
	whiteonly	2.456848	1.246748	1.97	0.049
	edu				
	Some college/asso..	-1.57398	1.082581	-1.45	0.146
	Bachelor's	-.4085906	1.1181	-0.37	0.715
	Master's +	-.7820254	1.097649	-0.71	0.476
	pol_view5				
	Progressive	1.021314	1.475263	0.69	0.489
	Moderate	1.225317	1.450185	0.84	0.398
	Conservative	-.1371304	1.589901	-0.09	0.931
	Very Conservative	2.890729	1.764439	1.64	0.101
	home	1.022048	1.3085	0.78	0.435
	house income				
	\$25k-\$49,999	3.858571	1.876152	2.06	0.040
	\$50k-\$74,999	2.870827	1.701092	1.69	0.091
	\$75k-\$99,999	2.030967	1.757642	1.16	0.248
	\$100k-\$150K	2.359696	1.805869	1.31	0.191
	More than \$150k	1.128376	1.743091	0.65	0.517
	pol_par2	1.07008	.7843642	1.36	0.172
	public_par	.8036693	.4167092	1.93	0.054
	sm_use	1.076647	.7093749	1.52	0.129
	radio	-.9226401	1.444386	-0.64	0.523
	tv	1.900713	1.317047	1.44	0.149
	newspapers	.6675474	1.237832	0.54	0.590
	banners	-1.926025	1.521733	-1.27	0.206
	ad	1.710354	1.668068	1.03	0.305
	search	1.36581	.8265843	1.65	0.098
	onlinenews	-3.192037	1.766572	-1.81	0.071
	friends	.3774309	1.076025	0.35	0.726
	family	1.940618	.9524998	2.04	0.042
	coworkers	.1331566	1.290873	0.10	0.918
	officials	-2.397565	1.336713	-1.79	0.073
	govpub	1.256106	.9194329	1.37	0.172
	govweb	.4075365	.9578744	0.43	0.671
	socialmedia	-.8862508	.8704233	-1.02	0.309
	_cons	-11.8683	3.264406	-3.64	0.000

Logistic regression

Number of obs = 139

LR chi2(33) = 50.78

Prob > chi2 = 0.0247

Log likelihood = -51.941442

Pseudo R2 = 0.3283

Who is likely
or less likely
to follow the
Department
of Police's
social
media?

opd_sm	Coef.	Std. Err.	z	P> z
age	-.0692076	.019975	-3.46	0.001
female	1.033566	.5365348	1.93	0.054
race				
Black	-1.043804	1.143689	-0.91	0.361
Other	2.141847	1.475781	1.45	0.147
Hispanic	-4.024945	1.957457	-2.06	0.040
edu				
Some college/asso..	-1.350749	.9684412	-1.39	0.163
Bachelor's	-.1205088	.9148824	-0.13	0.895
Master's +	-1.61945	1.0756	-1.51	0.132
pol_view5				
Progressive	.8813153	1.449246	0.61	0.543
Moderate	.3563476	1.401076	0.25	0.799
Conservative	.1246525	1.44724	0.09	0.931
Very Conservative	2.193913	1.779377	1.23	0.218
home	.8516482	.8030001	1.06	0.289
house_income				
\$25k-\$49,999	-.4113946	1.245678	-0.33	0.741
\$50k-\$74,999	-.6925199	1.237701	-0.56	0.576
\$75k-\$99,999	.0341229	1.359727	0.03	0.980
\$100k-\$150K	.0193013	1.402112	0.01	0.989
More than \$150k	.1541195	1.437679	0.11	0.915
visit	.6278775	.5692781	1.10	0.270
_cons	2.450126	1.7679	1.39	0.166

Logistic regression

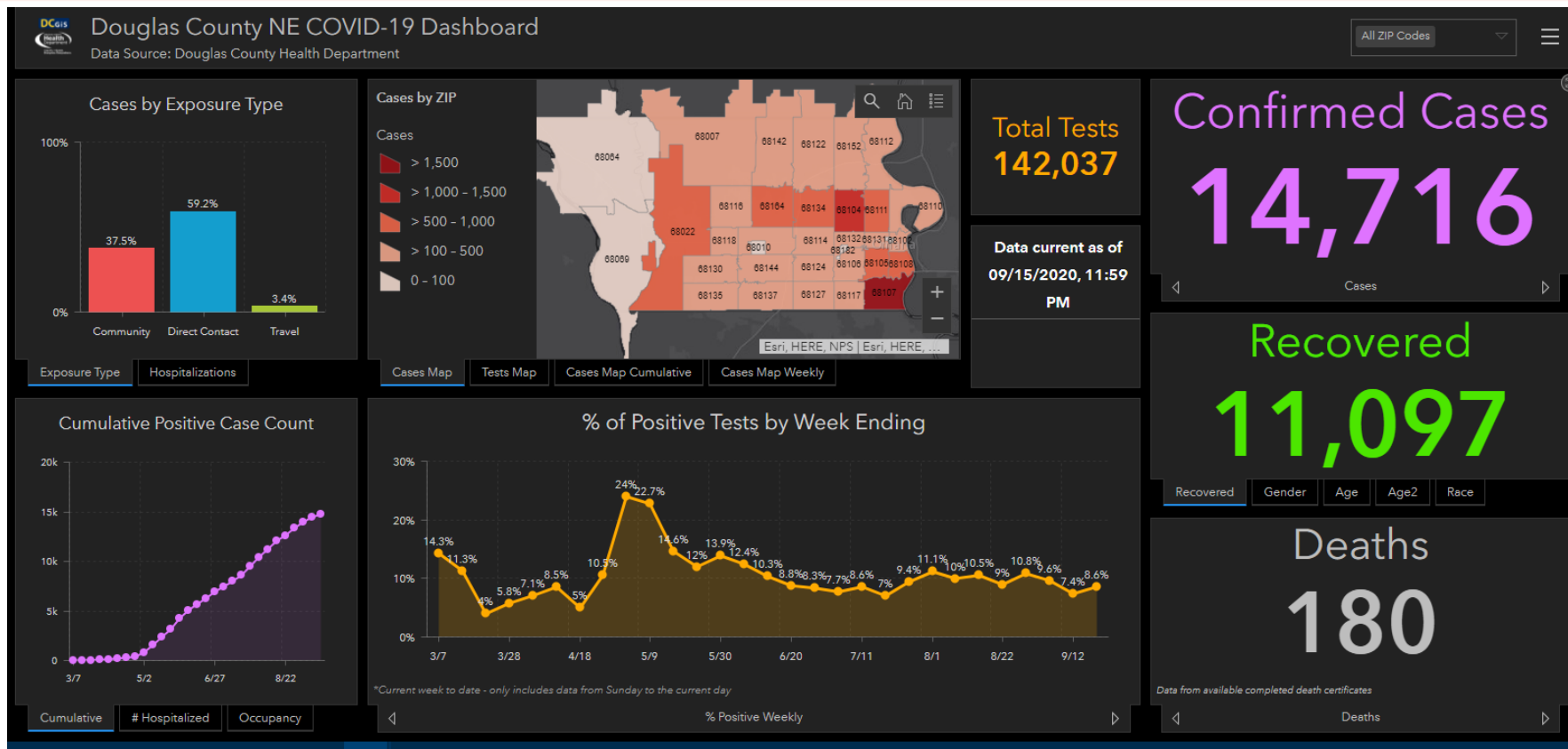
Number of obs = 103

LR chi2(19) = 33.35

Prob > chi2 = 0.0219

Log likelihood = -52.130426

Pseudo R2 = 0.2423



March 6	First confirmed case
March 19	Directed Health Measure (e.g. limit gatherings to 10 people or less)
May 4	Partially reopening businesses
May 31-June 3	Curfew (Black Lives Matter)
June 22	Reopening more businesses
Aug. 11	Face mask requirement in public areas



Omaha World-Herald

With no mask mandate, Omaha stands alone among nation's largest cities

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8 comment

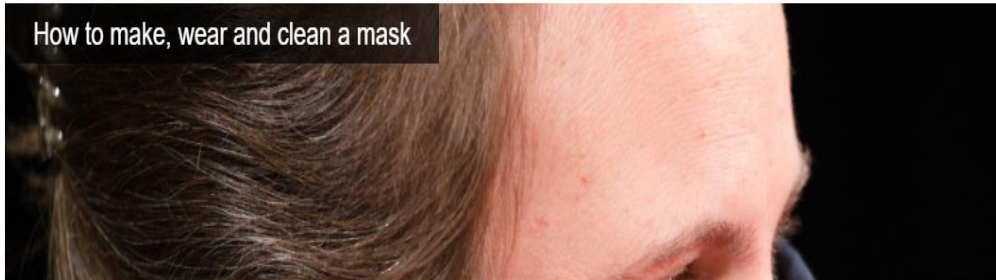
With no mask mandate, Omaha stands alone among nation's largest cities

Jeffrey Robb Aug 5, 2020 8

SALE! Subscribe for \$1/mo.



How to make, wear and clean a mask



Ads by Google

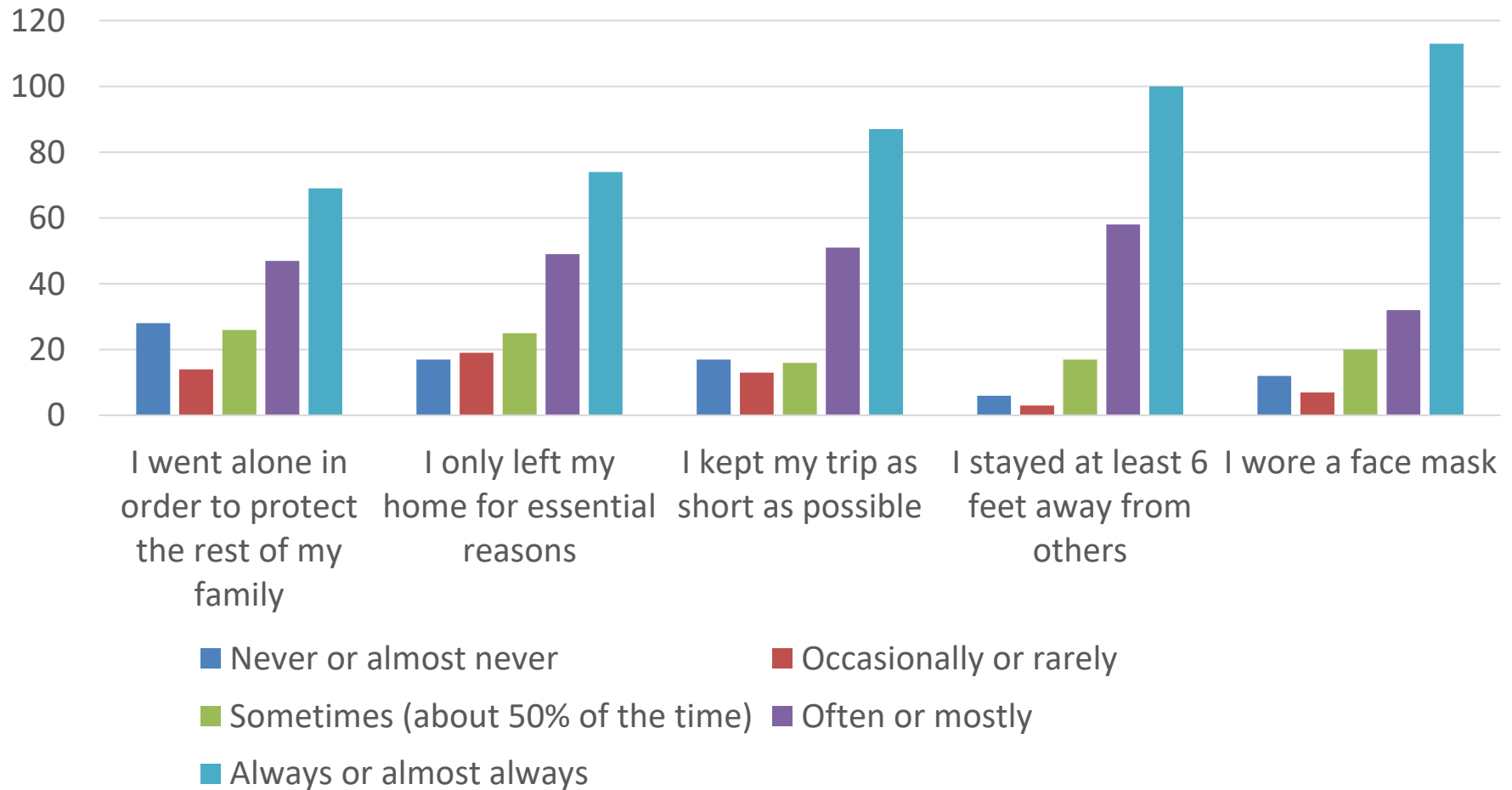
Stop seeing this ad

Why this ad? ▶

Activate Windows

Go to Settings to activate Windows

Compliance with Covid-19 Guidelines (n=184)



Compliance with Covid-19 Guidelines (cont.)

In the past 7 days, If I left my home,...

	Obs	Mean	Std. Dev.	Min	Max
I went alone in order to protect the rest of my family	184	3.63	1.44	1	5
I only left my home for essential reasons	184	3.78	1.32	1	5
I kept my trip as short as possible	184	3.97	1.30	1	5
I stayed at least 6 feet away from others	184	4.32	0.95	1	5
I wore a face mask	184	4.23	1.19	1	5

Variable	Obs	Mean	Std. Dev.	Min	Max
Compliance*	184	19.93	4.99	5	25

*Cronbach Alpha=0.86

Who is likely
or less likely
to comply
with Covid-19
guidelines?

covid_com	Coef.	Std. Err.	t	P> t
age	.0634263	.0398731	1.59	0.116
female	-.1760596	1.056829	-0.17	0.868
race				
Black	.8793634	2.46071	0.36	0.722
Other	9.6316	5.150087	1.87	0.066
Hispanic	-12.12547	6.602999	-1.84	0.070
edu				
Some college/asso..	4.451311	2.133185	2.09	0.041
Bachelor's	3.569411	1.908683	1.87	0.066
Master's +	4.309904	1.973093	2.18	0.032
pol_view5				
Progressive	-.5838338	1.870993	-0.31	0.756
Moderate	-1.356179	1.902456	-0.71	0.478
Conservative	-2.701725	2.155807	-1.25	0.214
Very Conservative	-6.208599	2.876608	-2.16	0.034
home	-.7957454	1.531079	-0.52	0.605
house_income				
\$25k-\$49,999	2.224232	2.903365	0.77	0.446
\$50k-\$74,999	.3093213	2.621543	0.12	0.906
\$75k-\$99,999	.7494707	2.792844	0.27	0.789
\$100k-\$150K	-.5518841	2.705011	-0.20	0.839
More than \$150k	-1.650747	2.848573	-0.58	0.564
attend_church	-1.252671	1.199083	-1.04	0.300
children	-.2103525	.451714	-0.47	0.643
info_covid	1.3812	1.026866	1.35	0.183
_cons	15.64788	3.447224	4.54	0.000

Source	SS	df	MS	Number of obs = 93
Model	759.349279	21	36.1594895	F(21, 71) = 1.95
Residual	1319.16685	71	18.5798148	Prob > F = 0.0201
Total	2078.51613	92	22.5925666	R-squared = 0.3653
				Adj R-squared = 0.1776
				Root MSE = 4.3104

Social Distancing

Q47_4	Coef.	Std. Err.	t	P> t
age	.0192101	.0069867	2.75	0.008
female	.089827	.1851823	0.49	0.629
race				
Black	.3677185	.4311764	0.85	0.397
Other	1.822311	.9024207	2.02	0.047
Hispanic	-2.920345	1.157006	-2.52	0.014
edu				
Some college/asso..	.3677442	.373786	0.98	0.329
Bachelor's	.4603023	.3344478	1.38	0.173
Master's +	.7464998	.345734	2.16	0.034
pol_view5				
Progressive	.3074776	.3278435	0.94	0.351
Moderate	-.0302688	.3333566	-0.09	0.928
Conservative	.0420942	.3777498	0.11	0.912
Very Conservative	-1.121585	.5040519	-2.23	0.029
home	-.1262434	.2682824	-0.47	0.639
house_income				
\$25k-\$49,999	.2359495	.5087404	0.46	0.644
\$50k-\$74,999	.1931149	.4593582	0.42	0.675
\$75k-\$99,999	.0535006	.4893744	0.11	0.913
\$100k-\$150K	-.1480045	.4739839	-0.31	0.756
More than \$150k	-.1945847	.4991393	-0.39	0.698
attend_church	-.2372336	.2101086	-1.13	0.263
children	.0090584	.0791513	0.11	0.909
info_covid	.1859501	.179932	1.03	0.305
_cons	2.968073	.6040377	4.91	0.000

Source	SS	df	MS	Number of obs =	93
Model	30.292557	21	1.44250271	F(21, 71) =	2.53
Residual	40.503142	71	.570466788	Prob > F =	0.0020
Total	70.7956989	92	.769518467	R-squared =	0.4279
				Adj R-squared =	0.2587
				Root MSE =	.76529

Face Mask

Q47_5	Coef.	Std. Err.	t	P> t
age	.016358	.0092082	1.78	0.080
female	.0867362	.2440628	0.36	0.723
race				
Black	.6942139	.5682732	1.22	0.226
Other	2.405591	1.189354	2.02	0.047
Hispanic	-1.531204	1.524888	-1.00	0.319
edu				
Some college/asso..	.7418716	.492635	1.51	0.137
Bachelor's	.6577061	.4407888	1.49	0.140
Master's +	1.011245	.4556636	2.22	0.030
pol_view5				
Progressive	.2555907	.4320846	0.59	0.556
Moderate	-.1055303	.4393507	-0.24	0.811
Conservative	-.2148515	.4978591	-0.43	0.667
Very Conservative	-2.016881	.6643202	-3.04	0.003
home	-.1312903	.3535855	-0.37	0.712
house_income				
\$25k-\$49,999	-.0561622	.6704994	-0.08	0.933
\$50k-\$74,999	-.5454008	.6054157	-0.90	0.371
\$75k-\$99,999	.0271991	.6449758	0.04	0.966
\$100k-\$150K	-.3250815	.6246918	-0.52	0.604
More than \$150k	-.4209544	.6578456	-0.64	0.524
attend_church	-.0258003	.2769147	-0.09	0.926
children	-.1617836	.1043182	-1.55	0.125
info_covid	.1917841	.2371431	0.81	0.421
_cons	3.247421	.7960974	4.08	0.000

Source	SS	df	MS	Number of obs =	93
Model	46.9356246	21	2.23502974	F(21, 71) =	2.26
Residual	70.3546979	71	.990911239	Prob > F =	0.0059
				R-squared =	0.4002
				Adj R-squared =	0.2228
Total	117.290323	92	1.27489481	Root MSE =	.99545

Short Trip

	Q47_3	Coef.	Std. Err.	t	P> t
	age	.011329	.0113666	1.00	0.322
	female	.0872741	.3012689	0.29	0.773
	race				
	Black	.2891854	.7014712	0.41	0.681
	Other	2.215235	1.468128	1.51	0.136
	Hispanic	-3.598839	1.882308	-1.91	0.060
	edu				
	Some college/asso..	.8090422	.6081042	1.33	0.188
	Bachelor's	.63801	.5441057	1.17	0.245
	Master's +	.7711116	.562467	1.37	0.175
	pol_view5				
	Progressive	-.4925213	.5333613	-0.92	0.359
	Moderate	-.7900786	.5423305	-1.46	0.150
	Conservative	-.861011	.6145528	-1.40	0.166
	Very Conservative	-1.370797	.8200308	-1.67	0.099
	home	-.1021107	.4364627	-0.23	0.816
	house_income				
	\$25k-\$49,999	.127711	.8276584	0.15	0.878
	\$50k-\$74,999	-.2310039	.7473197	-0.31	0.758
	\$75k-\$99,999	-.3353854	.7961523	-0.42	0.675
	\$100k-\$150K	-.4668815	.7711139	-0.61	0.547
	More than \$150k	-.7232784	.8120387	-0.89	0.376
	attend_church	-.3231118	.3418211	-0.95	0.348
	children	-.0078479	.1287695	-0.06	0.952
	info_covid	.6040027	.2927273	2.06	0.043
	_cons	3.594938	.9826954	3.66	0.000

Source	SS	df	MS	Number of obs =	93
Model	42.1108986	21	2.00528089	F(21, 71) =	1.33
Residual	107.200929	71	1.50987224	Prob > F =	0.1877
				R-squared =	0.2820
				Adj R-squared =	0.0697
Total	149.311828	92	1.62295465	Root MSE =	1.2288



DCGIS



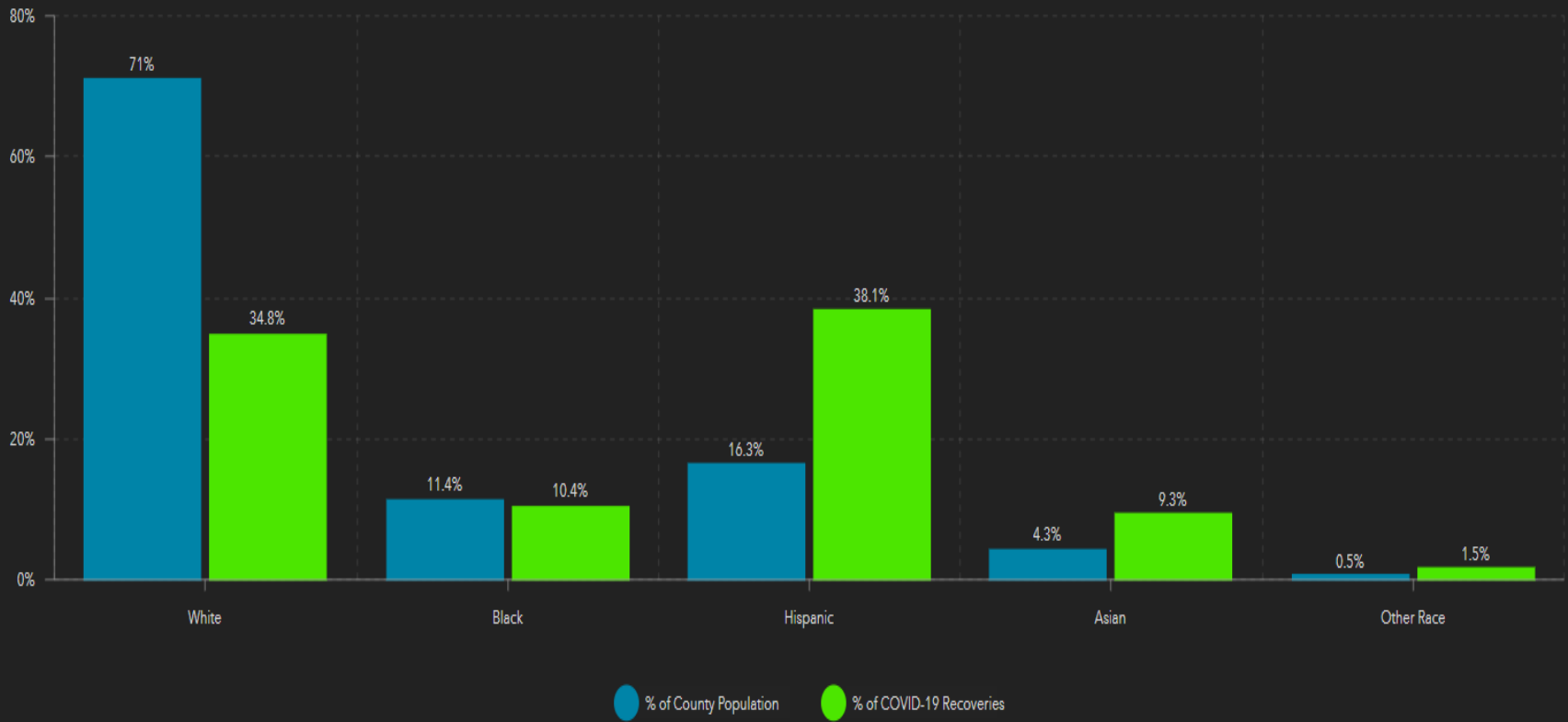
Douglas County NE COVID-19 Dashboard

Data Source: Douglas County Health Department

All ZIP Codes



COVID-19 Recoveries by Race compared to County Population



Recovered

Gender

Age

Age2

Race

Conclusion

- Use of E-government services and social media
 - Political view, household income, age
 - Offline public participation
- Use of Hotline
 - Race (White)
 - Multi-language service,
- Compliance with Covid-19 guidelines
 - Provide targeted public education
 - How can the compliance with Covid-19 guidelines help public health and local economy