# **Supplemental Online Content**

Silver ER, Truong HQ, Ostvar S, Hur C, Tatonetti NP. Association of neighborhood deprivation index with success in cancer care crowdfunding. *JAMA Netw Open.* 2020;3(12):e2026946. doi:10.1001/jamanetworkopen.2020.26946

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#### **eReferences**

This supplemental material has been provided by the authors to give readers additional information about their work.

**eAppendix 1. Search Terms Used to Determine Cancer Campaigns.** Search terms were sed to subset cancer campaigns from all campaigns.

- malignan
- carcinoma
- cancer
- radiation therap
- radiotherap
- immuno therap
- immunotherap
- chemo
- chemotherap
- lymphoma
- sarcoma
- melanoma
- glioblastoma
- myeloma
- neuroblastoma
- astrocytoma
- renal cell
- squamous cell
- medulloblastoma
- adenocarcinoma
- retinoblastoma
- ductal carcinoma
- mastectomy
- neuroendocrine tumor
- histiocytosis
- luekemia
- carcinoid
- lukemia
- germ cell tumor
- desmoplastic
- wilms tumor
- seminoma
- ependymoma
- thymoma
- nueroblastoma
- lumpectomy
- myloma
- langerhans
- ductile carcinoma
- oligodendroglioma
- wilm's tumor
- clear cell

- non-hodgkins lymphoma
- non hodgkins lymphoma
- neurblastoma
- neruoblastoma
- rhabdomyosaroma
- nuroblastoma
- nonhodgkins lymphoma
- rhabdomyosarcoma

**eAppendix 2. Supplemental Methods: Neighborhood Deprivation Index.** In the first step of the Principal Components Analysis (PCA) to calculate neighborhood deprivation index (NDI) quartiles, we included the following standardized county-level variables (proportions of county populations):

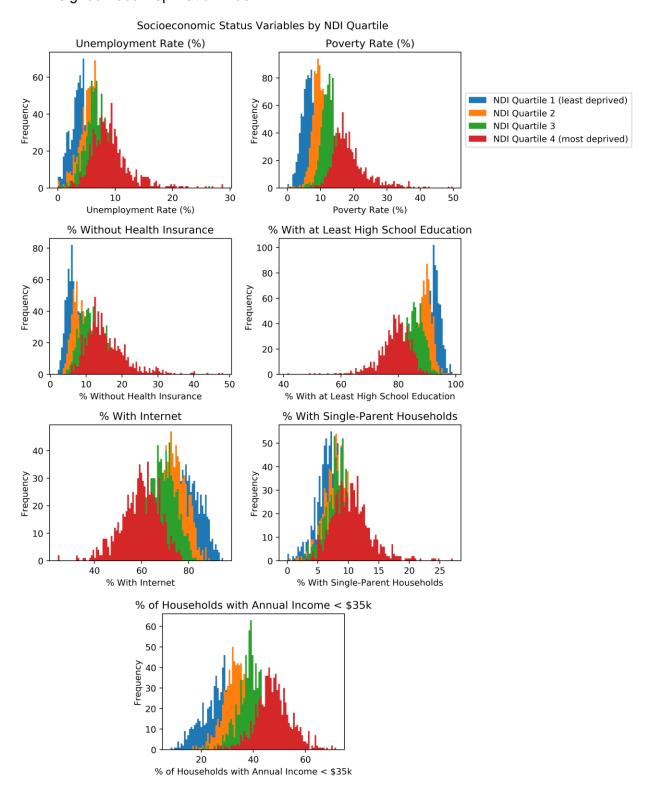
- Unemployment
- Households without a car
- Crowding (households with more than 1 person occupying each room)
- Vacant housing units
- High school completion
- Percent Black or African-American
- Home ownership
- Households headed by a single parent
- Households with annual income < \$35,000
- Poverty
- Households receiving public assistance
- Employment in management, the arts, or science
- Percent without health insurance
- Internet access

The PCA was then run a second time, omitting variables with factor loadings less than 0.25.<sup>1,2</sup> Factor loadings were transformed by multiplying each result by -1 so that higher NDI metrics indicated greater deprivation. Factor loadings served as weights to compute county-level neighborhood deprivation indices (NDIs) based on the county values of the corresponding standardized Census variables. For analysis, we normalized NDIs and grouped the counties into NDI quartiles, with lower quartiles representing less deprivation and higher quartiles representing greater deprivation. NDI quartiles and index scores were matched to campaigns based on the campaign's county FIP code.

Variable	Loading: Full PCA	Loading: Reduced PCA
Unemployment Rate	0.31	0.34
Poverty Rate	0.39	0.45
% without Health Insurance	0.27	0.32
Home Ownership Rate	-0.15	NA
% with >1 Person per Room	0.21	NA
% without a Car	0.24	NA
% Vacant Units	0.08	NA
% with High School Education	-0.34	-0.4
% with Internet Access	-0.31	-0.39
% African American	0.23	NA
% Single Parent	0.28	0.29

Variance Explained	38.75%	59.25%
Occupations	-0.24	NA
% in Management, Arts, and Science		
% on Public Assistance	0.16	NA
% with Annual Income < \$35,000	0.34	0.42

eFigure 1. US Census Socioeconomic Data by Neighborhood Deprivation Index Quartile. NDI: Neighborhood Deprivation Index.



eTable 1. Search Terms Used to Determine and Recode Cancer Type.

Cancer Type	Cancer Type-Recode
breast	breast
leukemia	blood
lung	lung
colon	gastrointestinal
lymphoma	blood
brain	brain
kidney	urologic
sarcoma	sarcoma
stomach	gastrointestinal
pancreatic	gastrointestinal
liver	gastrointestinal
ovarian	gynecologic
cervical	gynecologic
bone	bone
melanoma	melanoma
glioblastoma	brain
prostate	urologic
myeloma	blood
thyroid	thyroid
esophageal	gastrointestinal
uterine	gynecologic
throat cancer	head and neck
neuroblastoma	brain
uterus	gynecologic
tongue	head and neck
testicular	urologic
colorectal	gastrointestinal
bladder	urologic
astrocytoma	brain
renal cell	urologic
squamous cell	squamous_NOS
pancreas	gastrointestinal
breat	breast
medulloblastoma	brain
endometrial	gynecologic
rectal	gastrointestinal
skin cancer	melanoma
head and neck	head and neck
cervix	gynecologic
gallbladder	gastrointestinal
adenocarcinoma	adeno_NOS
gastric	gastrointestinal
retinoblastoma	eye
testicle	urologic
esophagus	gastrointestinal
Соорнадио	gastronitostinai

duatal carainama	broost
ductal carcinoma	breast
renal bile duct	urologic gastrointestinal
	breast
mastectomy neuroendocrine	neuroendocrine
	<del> </del>
peritoneal	peritoneal blood
blood cancer	
eye cancer intestinal	eye
	gastrointestinal
histiocytosis cerebral	histiocytosis brain
gastrointestin	gastrointestinal
appendix cancer	appendix
larynx	head and neck
luekemia	blood
ovaries	gynecologic
carcinoid	neuroendocrine
lukemia	blood
germ cell tumor	germ cell
rectum	gastrointestinal
laryngeal	head and neck
desmoplastic	sarcoma
wilms tumor	urologic
seminoma	urologic brain
ependymoma	
germ cell cancer	germ cell brain
thymoma	
urethra urethral	urologic
	urologic urologic
adrenocortical	peritoneal
peritoneum nueroblastoma	brain
lumpectomy	breast
myloma	blood
langerhans	histiocytosis
ductile carcinoma	breast
oligodendroglioma wilm's tumor	brain
penile	urologic urologic
ductal carcinoma in situ	breast
clear cell	clear_cell_NOS
mullerian	
	gynecologic blood
non-hodgkins lymphoma	blood
non hodgkins lymphoma	
neurblastoma	brain
neruoblastoma	brain
rhabdomyosaroma	sarcoma

tyroid	thyroid
nuroblastoma	brain
nonhodgkins lymphoma	blood

eTable 2. Search Terms and Regular Expressions (Regex) Used to Determine and Recode Mentions of Insurance, Out-of-Pocket Costs, and Treatment Type.

Insurance Type	Insurance Type-Recode
medi(. )care	medicare
medi(. )caid	medicaid
medi(. )cade	medicaid
insurance	insurance
insurence	insurance
obama(. )care	affordable care act
affordable care act	affordable care act
the aca	affordable care act
tri(. )care	public health insurance
champus	public health insurance
champva	public health insurance
underinsure	underinsured
under(. )insure	underinsured
under-insure	underinsured
no health ins.r.nce	uninsured
doesn(. )t have ins.r.nce	uninsured
don(. )t have health ins.r.nce	uninsured
no ins.r.nce	uninsured
doesn(. )t have health ins.r.nce	uninsured
un.nsured	uninsured
don(. )t have ins.r.nce	uninsured
not insured	uninsured
Out-of-Pocket Costs	Out-of-Pocket Costs-Recode
deduct.ble	deductible
transport	transportation
insur.nce premium	premium
out(. )of(. )pocket	out of pocket
co(. )pay	co-pay
co(. )payment	co-pay
transportation	transportation
medical bill	medical bills
hospital bill	hospital bills
debt	debt
lost wage	lost wages
isn(. )t covered	not covered
won(. )t cover	not covered
doesn(. )t cover	not covered
not cover	not covered

not covered aren()It covered meren()It covered mont covered mont ()It enough to cover not enough to cover not enough to cover not be covered not covered haven()It been covered not been covered not covered not covered not covered hasn()It covered mont ()It () mont ()It () mont ()		
weren(. )t covered not covered  wasn(. )t be covered not covered  isn(. )t enough to cover not covered  not enough to cover not covered  not be covered not covered  not covered not covered  not covered not covered  hasn(. )t covered not covered  didn(. )t cover not covered  isn(. )t covered not covered  won(. )t cover not covered  Treatment Type Treatment Type-Recode  surgery surgery  chemo chemo(. )therapy immunotherapy  immuno(. )therapy immunotherapy  immuno(. )therapy immunotherapy  targeted therapy gene therapy  gene therapy gene therapy  hysterectomy surgery  colectomy surgery  radiation radiation  hormone therapy  mastectomy surgery  mastectomy surgery	not covered	not covered
won(.))t be covered not covered sin(.))t covered not covered not covered not covered not enough to cover not covered not covered not be covered not co	aren(. )t covered	not covered
wasn(. )t covered         not covered           isn(. )t enough to cover         not covered           not enough to cover         not covered           not be covered         not covered           haven(. )t been covered         not covered           hasn(. )t covered         not covered           hasn(. )t cover         not covered           isn(. )t covered         not covered           won(. )t cover         not covered           won(. )t cover         surgery           chemo         chemo           chemo(. )therapy         chemo           immuno(. )therapy         immunotherapy           immuno(. )therapy         immunotherapy           targeted therapy         gene therapy           gene therapy         gene therapy           oophorectomy         surgery           colectomy         surgery           radiation         not covered           not covered         not covered           not covered         not covered           not covered         not covered           surgery         surgery	weren(. )t covered	not covered
isn(. )t enough to cover not enough to cover not enough to cover not be covered haven(. )t been covered not been covered hasn(. )t covered not covered isn(. )t covered not covered  Treatment Type  Treatment Type  Treatment Type-Recode surgery chemo chemo(. )therapy immuno immunotherapy immuno(. )therapy immuno(. )therapy imgeted therapy gene therapy gene therapy yoophorectomy colectomy radiation hormone therapy mastectomy surgery	won(. )t be covered	not covered
not enough to cover not be covered not be covered not covered isn(. )t covered not covered isn(. )t covered not covered isn(. )t covered not covered won(. )t cover  Treatment Type Treatment Type-Recode surgery surgery chemo chemo(. )therapy immuno immunotherapy immuno(. )therapy imuno(. )therapy imuno(. )therapy imuno(. )therapy gene therapy dene therapy surgery surgery surgery colectomy surgery	wasn(. )t covered	not covered
not be covered         not covered           haven(. )t been covered         not covered           not been covered         not covered           hasn(. )t covered         not covered           didn(. )t cover         not covered           won(. )t cover         not covered           Treatment Type         Treatment Type-Recode           surgery         surgery           chemo         chemo           chemo(. )therapy         chemo           immuno         immunotherapy           immuno(. )therapy         immunotherapy           imuno(. )therapy         immunotherapy           targeted therapy         gene therapy           surgery         gene therapy           hysterectomy         surgery           colectomy         surgery           radiation         radiation           hormone therapy         hormone therapy           mastectomy         surgery           surgery           surgically removed         surgery	isn(. )t enough to cover	not covered
naven(.))t been covered       not covered         not been covered       not covered         hasn(.))t covered       not covered         didn(.))t cover       not covered         won(.))t cover       not covered         Treatment Type Surgery         chemo       chemo         chemo(.))therapy       chemo         immuno       immunotherapy         immuno(.))therapy       immunotherapy         targeted therapy       targeted therapy         gene therapy       gene therapy         hysterectomy       surgery         colectomy       surgery         radiation       radiation         hormone therapy       hormone therapy         mastectomy       surgery         surgery       surgery         surgery       surgery         surgery       surgery         surgery       surgery	not enough to cover	not covered
not been covered hasn(. )t covered didn(. )t cover sin(. )t covered not covered isn(. )t covered not covered mot covered mot covered mot covered mot covered  Treatment Type Treatment Type-Recode surgery chemo chemo(. )therapy immuno immuno(. )therapy imuno(. )therapy imuno(. )therapy targeted therapy gene therapy gene therapy surgery colectomy surgery surgery surgery colectomy surgery radiation hormone therapy surgery	not be covered	not covered
hasn(. )t covered didn(. )t cover isn(. )t covered not covered won(. )t cover  Treatment Type Treatment Type-Recode surgery chemo chemo(. )therapy immuno(. )therapy immuno(. )therapy targeted therapy gene therapy yene therapy yophorectomy colectomy surgery surgery chemo chemo chemo chemo(. )therapy immunotherapy immunotherapy immunotherapy impunotherapy targeted therapy gene therapy gene therapy surgery	haven(. )t been covered	not covered
didn(.])t cover   not covered   isn(.])t covered   not covered   won(.])t cover   not covered   Treatment Type   Treatment Type-Recode   surgery   surgery   chemo   chemo   chemo(.])therapy   chemo   immuno   immunotherapy   immuno(.])therapy   immunotherapy   imuno(.])therapy   immunotherapy   targeted therapy   targeted therapy   gene therapy   gene therapy   hysterectomy   surgery   colectomy   surgery   radiation   radiation   hormone therapy   surgery   mastectomy   surgery	not been covered	not covered
isn(.])t covered  won(.])t cover  Treatment Type  Surgery  chemo  chemo  chemo(.])therapy  immuno  immuno(.])therapy  imuno(.])therapy  targeted therapy  gene therapy  yene therapy  nophorectomy  colectomy  radiation  hormone therapy  surgery	hasn(. )t covered	not covered
won(. )t cover     not covered       Treatment Type     Treatment Type-Recode       surgery     surgery       chemo     chemo       chemo(. )therapy     chemo       immuno     immunotherapy       imuno(. )therapy     immunotherapy       imuno(. )therapy     immunotherapy       targeted therapy     gene therapy       gene therapy     gene therapy       hysterectomy     surgery       colectomy     surgery       radiation     radiation       hormone therapy     hormone therapy       mastectomy     surgery       surgery     surgery       surgically removed     surgery	didn(. )t cover	not covered
Treatment Type Surgery  chemo chemo chemo  chemo(. )therapy chemo  immuno(. )therapy immunotherapy  imuno(. )therapy immunotherapy  targeted therapy gene therapy  gene therapy gene therapy  oophorectomy surgery  colectomy surgery  radiation radiation  hormone therapy  surgery	isn(. )t covered	not covered
surgery chemo chemo(. )therapy immuno immuno(. )therapy imuno(. )therapy imuno(. )therapy imunotherapy imunotherapy targeted therapy gene therapy hysterectomy cophorectomy colectomy radiation hormone therapy mastectomy surgery	won(. )t cover	not covered
chemo chemo(. )therapy chemo immuno immuno(. )therapy imuno(. )therapy imuno(. )therapy imunotherapy targeted therapy gene therapy hysterectomy oophorectomy colectomy radiation hormone therapy lumpectomy surgery	Treatment Type	Treatment Type-Recode
chemo(. )therapy chemo immuno immunotherapy immuno(. )therapy immunotherapy immunotherapy immunotherapy immunotherapy targeted therapy gene therapy gene therapy gene therapy surgery colectomy surgery colectomy surgery radiation radiation hormone therapy hormone therapy surgery	surgery	surgery
immuno immunotherapy immuno(. )therapy immunotherapy imuno(. )therapy immunotherapy targeted therapy gene therapy gene therapy gene therapy hysterectomy surgery colectomy surgery radiation radiation hormone therapy surgery lumpectomy surgery surgery surgery surgery surgery surgery surgery surgery	chemo	chemo
immuno(. )therapy       immunotherapy         imuno(. )therapy       immunotherapy         targeted therapy       targeted therapy         gene therapy       gene therapy         hysterectomy       surgery         oophorectomy       surgery         colectomy       surgery         radiation       radiation         hormone therapy       hormone therapy         mastectomy       surgery         lumpectomy       surgery         surgically removed       surgery	chemo(. )therapy	chemo
imuno(. )therapyimmunotherapytargeted therapytargeted therapygene therapygene therapyhysterectomysurgeryoophorectomysurgerycolectomysurgeryradiationradiationhormone therapyhormone therapymastectomysurgerylumpectomysurgerysurgically removedsurgery	immuno	immunotherapy
targeted therapy gene therapy hysterectomy oophorectomy colectomy radiation hormone therapy mastectomy lumpectomy surgery	immuno(. )therapy	immunotherapy
gene therapy hysterectomy oophorectomy surgery colectomy radiation hormone therapy mastectomy lumpectomy surgery surgery surgery surgery surgery surgery surgery	imuno(. )therapy	immunotherapy
hysterectomysurgeryoophorectomysurgerycolectomysurgeryradiationradiationhormone therapyhormone therapymastectomysurgerylumpectomysurgerysurgically removedsurgery	targeted therapy	targeted therapy
oophorectomysurgerycolectomysurgeryradiationradiationhormone therapyhormone therapymastectomysurgerylumpectomysurgerysurgically removedsurgery	gene therapy	gene therapy
colectomy surgery radiation radiation hormone therapy hormone therapy mastectomy surgery lumpectomy surgery surgically removed surgery	hysterectomy	surgery
radiation radiation hormone therapy hormone therapy mastectomy surgery lumpectomy surgery surgically removed surgery	oophorectomy	surgery
hormone therapy mastectomy surgery lumpectomy surgically removed surgery	colectomy	surgery
mastectomysurgerylumpectomysurgerysurgically removedsurgery	radiation	radiation
lumpectomy surgery surgically removed surgery	hormone therapy	hormone therapy
surgically removed surgery	mastectomy	surgery
	lumpectomy	surgery
\w+[a-z]ectomy surgery	surgically removed	surgery
	T .	I e

## eAppendix 3. Keyword Searches for Deservingness Text Features.

#### Militaristic Metaphors

- battle
- battling
- battled
- fight
- fighting
- fought
- beat
- beating
- war against
- war with
- kick cancer(.|)s .ss
- kick cancer(.|)s butt
- warrior
- fighter
- war on

#### Bravery

- brave
- courag
- valiant
- valient
- strong
- strength
- hero

# Self-Reliance

- hard(.|)working
- independ.nt
- self(.|)reli.n
- independ.nt
- stubborn
- proud
- determined
- resilli.nt
- resili.nt
- tenacity
- never ask for
- never asks for
- not ask for
- never asked for
- wouldn(.|)t ask for
- won(.|)t ask for

- doesn(.|)t ask for
- don(.|)t ask for

### Gratitude

- thank
- appreciate
- grateful
- greatful
- gratitude
- thanks
- appreciative
- apreciative
- apreciate
- your generosity

### Warmth

- nicest
- kindest
- loving
- sweetest
- caring
- warmest

**eTable 3. Associations Between Amount Raised and Campaign Year.** ANOVA: analysis of variance, SD: standard deviation.

Campaign Year	Mean (SD)	N	F-Statistic
			F(1, 143,572) = 191.26,
2010	\$4,927.00 (\$4,032.68)	13	<i>p</i> < 0.001
2011	\$6,667.70 (\$7,327.06)	115	
2012	\$6,025.01 (\$9,542.23)	682	
	\$6,333.10		
2013	(\$13,694.04)	2874	
	\$5,973.91		
2014	(\$10,613.32)	10366	
2015	\$6,518.21 (\$9,663.03)	19911	
	\$8,267.85		
2016	(\$12,106.13)	18061	
	\$6,724.17		
2017	(\$13,309.90)	29988	
	\$6,004.44		
2018	(\$11,998.87)	38837	
2019	\$5,070.11 (\$9,517.56)	22725	

eTable 4. Spearman Rank Correlations Between Amount Raised and Relevant Continuous Variables.

	Amount Raised	P-value
Number of Contributors	0.89	< 0.001
Number of Social Media		
Shares	0.54	< 0.001
Goal Amount (Winsorized)	0.48	< 0.001

eTable 5. Descriptive Statistics for Continuous Variables.

		Median	
	Mean (SD)	(Range)	N Missing (%)
	\$6,367.77	\$3,165.00 (\$0.00 -	
Amount Raised	(\$11,611.49)	\$1,010,060.00)	489.00 (0.34%)
Goal Amount	\$18,123.95	\$10,000.00 (\$2,000.00 -	
(Winsorized)	(\$21,912.28)	\$100,000.00)	3,826.00 (2.66%)
Number of			
Contributors	ontributors 64.05 (129.89)		7,277.00 (5.05%)
Average			
Contribution		\$86.56 (\$5.00 -	
Amount	\$102.98 (\$101.58)	\$15,468.60)	7,284.00 (5.06%)
Percent of Goal		36.38% (0.00% -	
Raised	43.99% (32.19%)	100.00%)	4,315.00 (3.00%)
		38.00 (0.00 -	
Likes	68.09 (593.18)	209,300.00)	12,525.00 (8.69%)
		250.00 (0.00 -	
Shares	436.71 (863.09)	104,000.00)	8,750.00 (6.07%)

eFigure 2. Log Amount Raised by Neighborhood Deprivation Index.

5

NDI



eTable 6. Expected and Observed Counts for Text Indicators by County Socioeconomic **Status.** NDI: Neighborhood Deprivation Index.

10

Variable	NDI Quartile			
	1 (Least Deprived)	2	3	4 (Most Deprived)
Bravery				
Percent	00.000/	00 500/	07.000/	05.740/
Mentioned	30.23%	28.53%	27.83%	25.74%
Observed False	37156	30566	25702	9228
Observed True	16096	12203	9911	3199
Expected False	37945	30475	25376	8855
Expected True	15307	12294	10237	3572
Expected True - Observed True	789	-91	-326	-373
Militaristic Metaphors				
Percent Mentioned	58.38%	57.01%	57.03%	54.43%
Observed False	22165	18388	15302	5663
Observed True	31087	24381	20311	6764
Expected False	22740	18264	15208	5307

4

2

0

Expected				
True	30512	24505	20405	7120
	30312	24303	20405	7120
Expected True -				
Observed	F75	101	0.4	250
True	575	-124	-94	-356
Cancer Type				
Mentioned				
Percent	22.224	20 = 404		24.700/
Mentioned	83.90%	83.51%	82.69%	81.50%
Observed				
False	8571	7052	6163	2299
Observed				
True	44681	35717	29450	10128
Expected				
False	8903	7150	5954	2078
Expected				
True	44349	35619	29659	10349
Expected				
True -				
Observed				
True	332	98	-209	-221
Insurance	002			
Mentioned				
Percent				
Mentioned	27.56%	28.20%	28.61%	28.16%
Observed	21.3070	20.2070	20.0170	20.1070
False	38574	30708	25424	8927
Observed	30374	30700	25727	0321
True	14678	12061	10189	3500
Expected	14070	12001	10109	3300
False	20200	30767	25610	8940
	38308	30707	25619	0940
Expected	4.40.4.4	40000	0004	2407
True	14944	12002	9994	3487
Expected				
True -				
Observed	000	50	405	40
True	-266	59	195	13
Warmth				
Percent				
Mentioned	19.73%	18.10%	17.06%	14.79%
Observed				
False	42744	35029	29538	10589
Observed				
True	10508	7740	6075	1838
Expected				
False	43582	35002	29146	10170
Expected				
True	9670	7767	6467	2257
	,		1 0.0.	

Expected				
True -				
Observed				
True	838	-27	-392	-419
Out-of-Pocket				
Costs				
Percent				
Mentioned	41.81%	40.96%	39.72%	37.13%
Observed				
False	30988	25249	21468	7813
Observed				
True	22264	17520	14145	4614
Expected				
False	31612	25389	21141	7377
Expected				
True	21640	17380	14472	5050
Expected				
True -				
Observed				
True	624	140	-327	-436
Self-Reliance				
Percent				
Mentioned	15.79%	14.92%	14.16%	12.39%
Observed				
False	44841	36386	30569	10887
Observed				
True	8411	6383	5044	1540
Expected	4-0-0			40-00
False	45350	36422	30328	10583
Expected		00.4=		1011
True	7902	6347	5285	1844
Expected				
True -				
Observed	500	00	0.14	004
True	509	36	-241	-304
Gratitude				
Percent		_,	_,	
Mentioned	72.12%	71.48%	71.43%	70.70%
Observed				
False	14845	12196	10173	3641
Observed	00.10=	00	05110	0700
True	38407	30573	25440	8786
Expected	45100	40400	40400	0504
False	15102	12129	10100	3524
Expected	00450	00040	05540	0000
True	38150	30640	25513	8903
Expected	057	07	70	4.47
True -	257	-67	-73	-117

Observed True				
Treatment Type				
Percent				
Mentioned	68.21%	67.49%	67.19%	64.44%
Observed				
False	16927	13905	11684	4419
Observed				
True	36325	28864	23929	8008
Expected				
False	17349	13934	11603	4049
Expected				
True	35903	28835	24010	8378
Expected				
True -				
Observed				
True	422	29	-81	-370

eTable 7. Full Outputs From Multivariable Regression Model on Amount Raised (Log-Transformed). Coef: Beta coefficient, SE: standard error, CI: confidence interval, ref: reference value.

		Percent Difference in		
Variable	Coef. (SE)	Expected Mean (95% CI)	z	P-Value
Intercept	7.614 (0.329)	NA	23.113	<0.001
NDI Quartile 2	,			
(ref: NDI Quartile 1, Least		-13.39%		
Deprived)	-0.144 (0.006)	(-14.44%, -12.28%)	-22.994	< 0.001
NDI Quartile 3				
(ref: NDI Quartile 1, Least		-18.14%		
Deprived)	-0.200 (0.007)	(-19.18%, -17.06%)	-30.357	<0.001
NDI Quartile 4 (Most				
Deprived)				
(ref: NDI Quartile 1, Least		-26.07%		
Deprived)	-0.302 (0.010)	(-27.46%, -24.65%)	-31.3	<0.001
Warmth is Mentioned				
(ref: Warmth Not		13.80% (12.30%,		
Mentioned)	0.129 (0.007)	15.26%)	19.549	<0.001
Gratitude is Mentioned				
(ref: Gratitude Not	0.004 (0.000)	0.09% (-1.00%,	0.450	0.070
Mentioned)	0.001 (0.006)	1.21%)	0.156	0.876
Self-Reliance is				
Mentioned		5.000/ /0.770/		
(ref: Self-Reliance Not	0.054 (0.007)	5.23% (3.77%,	7.000	0.004
Mentioned)	0.051 (0.007)	6.72%)	7.096	<0.001
Cancer Type is Mentioned		0.500/ /0.000/		
(ref: Cancer Type Not	0.004 (0.007)	9.58% (8.00%,	10.665	-0.001
Mentioned)	0.091 (0.007)	11.18%)	12.665	<0.001
Treatment Type is Mentioned				
(ref: Treatment Type Not		6.58% (5.44%,		
Mentioned)	0.064 (0.006)	7.79%)	11.188	<0.001
Insurance is Mentioned	0.00+ (0.000)	1.13/0]	11.100	<u> </u>
(ref: Insurance Not		1.39% (0.20%,		
Mentioned)	0.014 (0.006)	2.63%)	2.294	0.022
Out-of-Pocket Cost is	3.5 1 1 (0.000)	2.0070)	0	0.022
Mentioned				
(ref: Out-of-Pocket Cost		7.36% (6.18%,		
Not Mentioned)	0.071 (0.005)	8.55%)	12.913	<0.001
Militaristic Metaphors	( /	,		
(ref: Militaristic Metaphos		11.87% (10.74%,		
Not Used)	0.112 (0.005)	13.09%)	21.335	<0.001
Bravery is Mentioned	,	,		
(ref: Bravery Not		15.40% (14.11%,		
Mentioned)	0.143 (0.006)	16.65%)	24.801	<0.001

Year				
2011 (ref: 2010)	0.118 (0.342)	12.48% (-42.48%, 119.90%)	0.344	0.731
2012 (ref: 2010)	0.088 (0.332)	9.23% (-43.05%, 109.38%)	0.266	0.79
2013 (ref: 2010)	0.019 (0.330)	1.94% (-46.58%, 94.64%)	0.058	0.953
2014 (ref: 2010)	-0.133 (0.329)	-12.41% (-54.07%, 67.03%)	-0.402	0.688
2015 (ref: 2010)	-0.048 (0.329)	-4.72% (-50.04%, 81.67%)	-0.147	0.883
2016 (ref: 2010)	0.124 (0.329)	13.26% (-40.61%, 115.98%)	0.378	0.705
2017 (ref: 2010)	-0.089 (0.329)	-8.54% (-52.05%, 74.37%)	-0.271	0.786
2018 (ref: 2010)	-0.202 (0.329)	-18.31% (-57.17%, 55.74%)	-0.614	0.539
2019 (ref: 2010)	-0.404 (0.329)	-33.20% (-64.97%, 27.38%)	-1.225	0.221
Goal Amount	0.000 (0.000)	0.00% (0.00%, 0.00%)	92.307	<0.001
Number of Shares	0.000 (0.000)	0.01% (0.01%, 0.00%)	29.405	<0.001
Number of Contributors	0.003 (0.000)	0.33% (0.30%, 0.30%)	138.168	<0.001

#### **eReferences**

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