

*Alaska Smart Communities Forum*

# Innovation in Government

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02.12.19

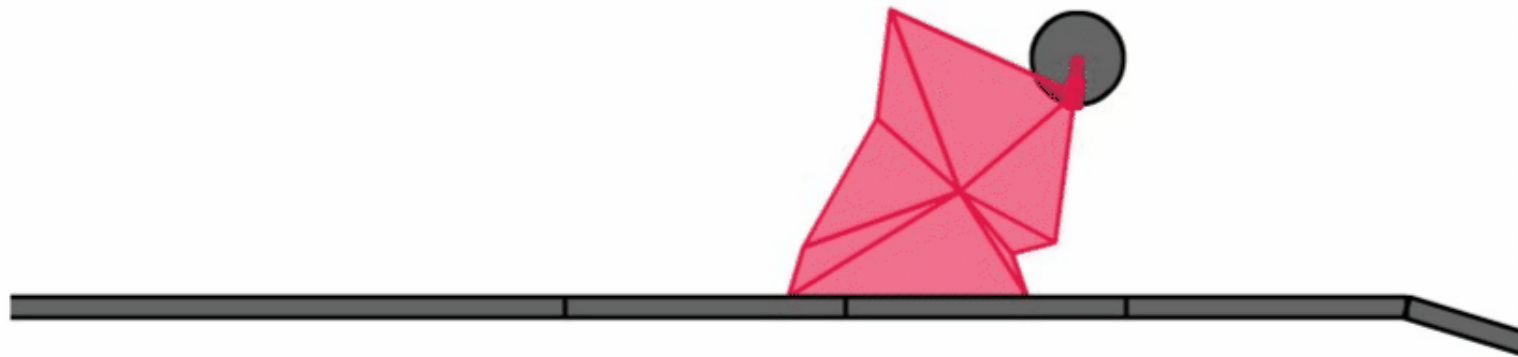
1

# Failing - Experimenting

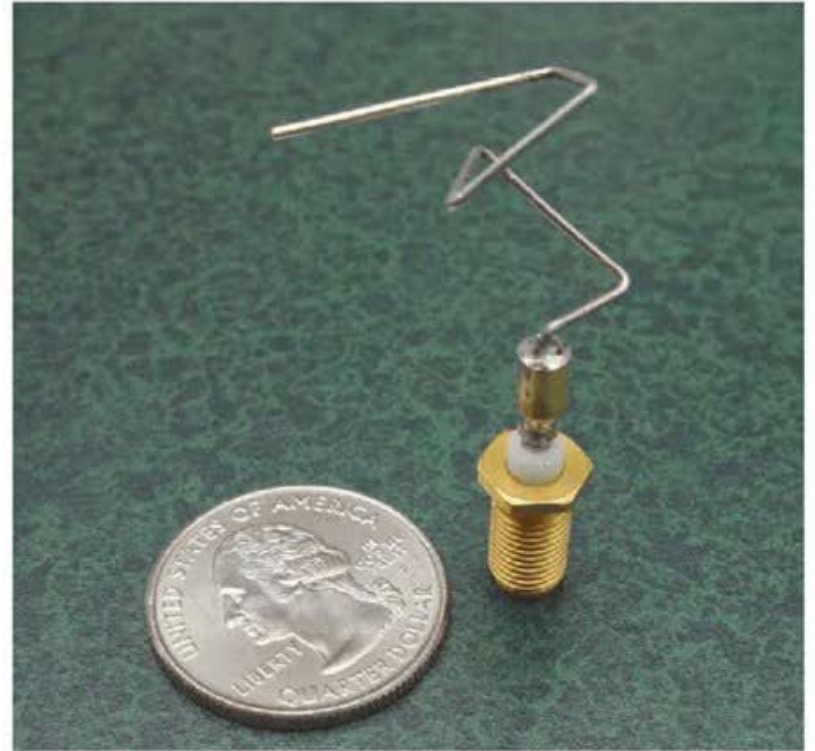
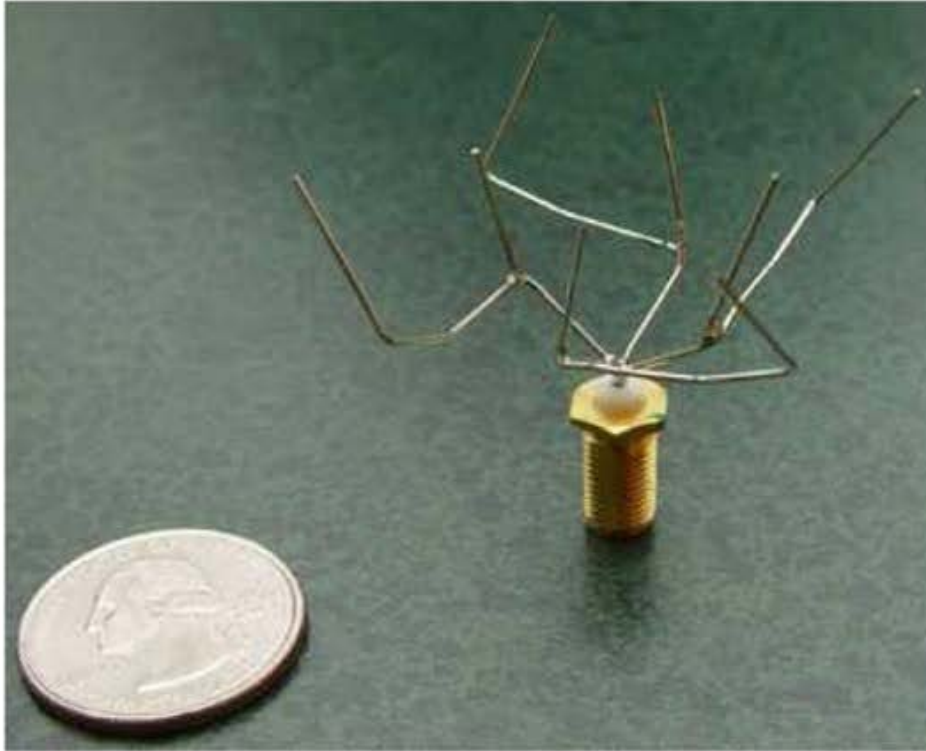
Copy All Copy Selected

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0	1.8	0:01
1	1.5	0:01
2	5	0:02
3	0	0:00

50



# Evolved NASA Antennas

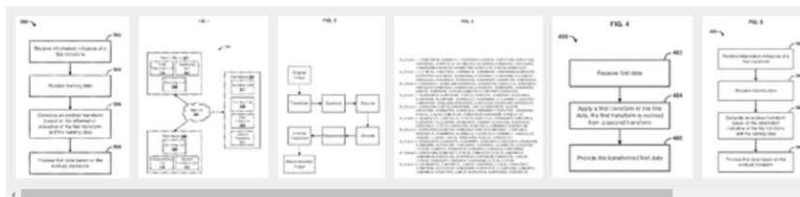


## Evolved transform for processing data

### Abstract

Methods and systems for processing data are disclosed. An example method can comprise receiving first data. The method can comprise applying a first transform to the first data. The first transform can be evolved from a second transform. The first transform can be based on first coefficients and the second transform can be based on second coefficients. The first transform can be evolved without constraining a count of the first coefficients to be equal to a count of the second coefficients. The method can comprise providing the transformed first data.

### Images (7)



### Classifications

**G06F17/14** Fourier, Walsh or analogous domain transformations, e.g. Laplace, Hilbert, Karhunen-Loeve, transforms

[View 1 more classifications](#)

### Description

### Claims (20)

US9984040B2

US Grant

Download PDF Find Prior Art Similar

**Inventor:** [Frank W. Moore, Brendan J. Babb](#)

**Current Assignee:** [University of Alaska Anchorage](#)

**Original Assignee:** [University of Alaska Anchorage](#)

**Priority date:** [2014-02-25](#)

**Family:** [US \(1\)](#)

Date	App/Pub Number	Status
2015-02-25	<a href="#">US14630705</a>	Active
2015-08-27	<a href="#">US20150242364A1</a>	Application
2018-05-29	<a href="#">US9984040B2</a>	Grant

**Info:** [Patent citations \(2\)](#), [Legal events](#), [Similar documents](#), [Priority and Related Applications](#)

**External links:** [USPTO](#), [USPTO Assignment](#), [Espacenet](#), [Global Dossier](#), [Discuss](#)



MUNICIPALITY OF ANCHORAGE

[REDACTED]  
[REDACTED]  
[REDACTED]

RE: Case # 3AN-13-10536CR

Balance Due \$ 1,755.00

The Court has transferred the unpaid charges due under the judgment entered in the above referenced case to the Treasury Division of the Municipality of Anchorage for collection. Your outstanding balance is reflected in the public website at [www.muni.org](http://www.muni.org) (Link: Your Government > Delinquent Criminal & Civil Fines > Search the DCF Database). Late fees or interest charges applied after the date of this letter, if any, would not be reflected in the balance due above.

This letter serves as **FINAL DEMAND** for payment of the account. Within 15 days from the date of this letter, you must pay your account balance in full to avoid any further action, fees or consequences. If you do not pay your account balance in full and your account is referred to an outside collection agency, an additional collection fee will be assessed on the outstanding balance of your account, pursuant to AO 2010-80 (Eff. 1/1/2011). The additional collection fee added will be close to 1/3 of the outstanding balance due upon referral to the collection agency (eg. \$225.00 outstanding balance would become \$292.21 upon referral, after 1/1/2011).

Your payment options are listed below:

- Pay online using a credit card, debit card or electronic check through Municipal Services Bureau at [www.msbpay.com/moa](http://www.msbpay.com/moa). Or you may call 1-888-881-0298. Note: a convenience fee is assessed by Municipal Services Bureau for their services.
- Pay in-person, during normal business hours, at City Hall's 3<sup>rd</sup> floor payment counter (632 W. 6<sup>th</sup> Avenue, Ste. 350) by cash, check or money order.
- Pay by mail to: Treasury Division (ATTN: DCF); PO Box 196650; Anchorage, AK 99519-6650. If you choose this option, payment must be received by 15 days from the date of this letter.

**IMPORTANT:** To ensure the accurate application of your payment, please reference the case number(s).

Failure to resolve this matter within 15 days from the date of this letter may result in the exercising of our rights under the Court's judgment, including one or more of the following actions: garnishment of your PFD, wages, and/or bank account(s), or Municipal referral of your account to an outside collection agency.

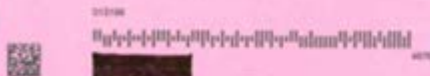
If you have any questions, please feel free to contact us at (907) 343-6688, or visit [www.muni.org](http://www.muni.org) for additional information



PAYMENT  
DUE:  
June 30, 2017

June 5, 2017

MUNICIPALITY OF ANCHORAGE (M.O.A.)  
TREASURY DIVISION



(907) [REDACTED]

**PAY YOUR COURT-ORDERED TRAFFIC CITATION NOW**

**DELINQUENT AMOUNT DUE: \$272.73\***

**HOW TO PAY**

Pay Online:	<a href="http://www.msbnpay.com/moa">www.msbnpay.com/moa</a>
Pay by Phone:	1 (800) 616-0166
Pay by Mail:	Check or Money Order Payable To: Municipal Services Bureau (MSB) P.O. Box 16755 Austin, TX 78761

*Note: Reference your M.O.A. Case Number on check or money order for prompt processing. You may also use the enclosed postage-paid envelope to mail your payment. A convenience fee is assessed by MSB for electronic payment services. Credit/debit card transactions may appear as charges from Gila Corporation on your bank or credit card statement.*

**INFORMATION YOU NEED TO MAKE A PAYMENT**

**M.O.A. Case Number: JAN-10-07796MO** APD Ticket Number: A3442900 Offense Date: 2/6/2010

**Charge:** AMC9.36.045(B): Tinted Windows (Light Transmittance <70% front, <40% rear)

**Important:** Delinquent cases, including the amount still due, can be viewed by anyone (examples: employers, landlords, and insurance companies) by visiting the public records website at: [www.msbn.org/MOACases.com](http://www.msbn.org/MOACases.com)

**IF YOU DON'T PAY NOW, WE CAN GARNISH THE FOLLOWING:**

Your PFD, wages, and/or bank account(s).

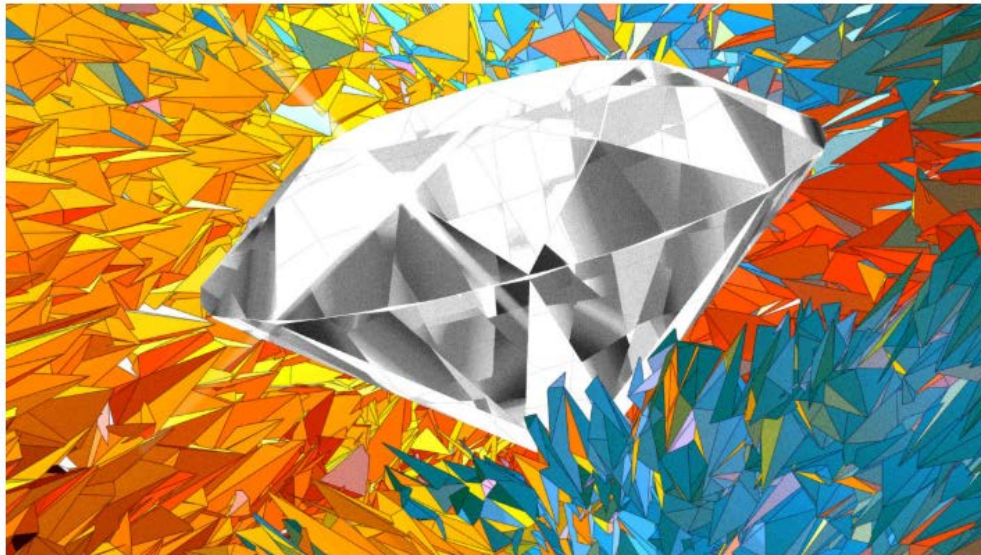
**TROUBLE PAYING?**

**ANCHORAGE**  
**i-team**

06.04.18

# It's time to step away from the shiny object

Government loves innovation, the shinier the better. Anchorage, Alaska, proves just how wrongheaded that is.



[Source Image: AnatolyM/iStock]



BY SARA HUDSON 10 MINUTE READ



**GET YOUR SMOKEY ON**

LEARN HOW &gt;&gt;

ONLY YOU CAN PREVENT WILDFIRES.



FUTURE TENSE

# How a Low-Tech Solution Helped Anchorage, Alaska's Gardeners

Sometimes buckets beat apps.

By SARA HUDSON

JUNE 13, 2018 • 9:00 AM

 TWEET

 SHARE

 COMMENT

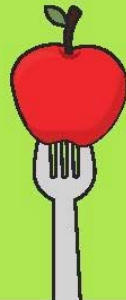


## **CLAIM YOUR FREE NUTRITION BENEFITS!**

GOOD NEWS! You are likely eligible for benefits through the Women, Infants, & Children (WIC) Nutrition Program. 6,000 Anchorage families like yours already participate in WIC to access free nutritious groceries and baby formula, health screenings, nutrition education, and more.

**We want to make sure you get the benefits  
your family deserves.**

Regards,  
Ethan Berkowitz  
Mayor of Anchorage



**Call Alice at 343-4668 and  
make an appointment!**

**343-4668 | 825 L Street**

**[www.muni.org/wic](http://www.muni.org/wic)**

# 65767



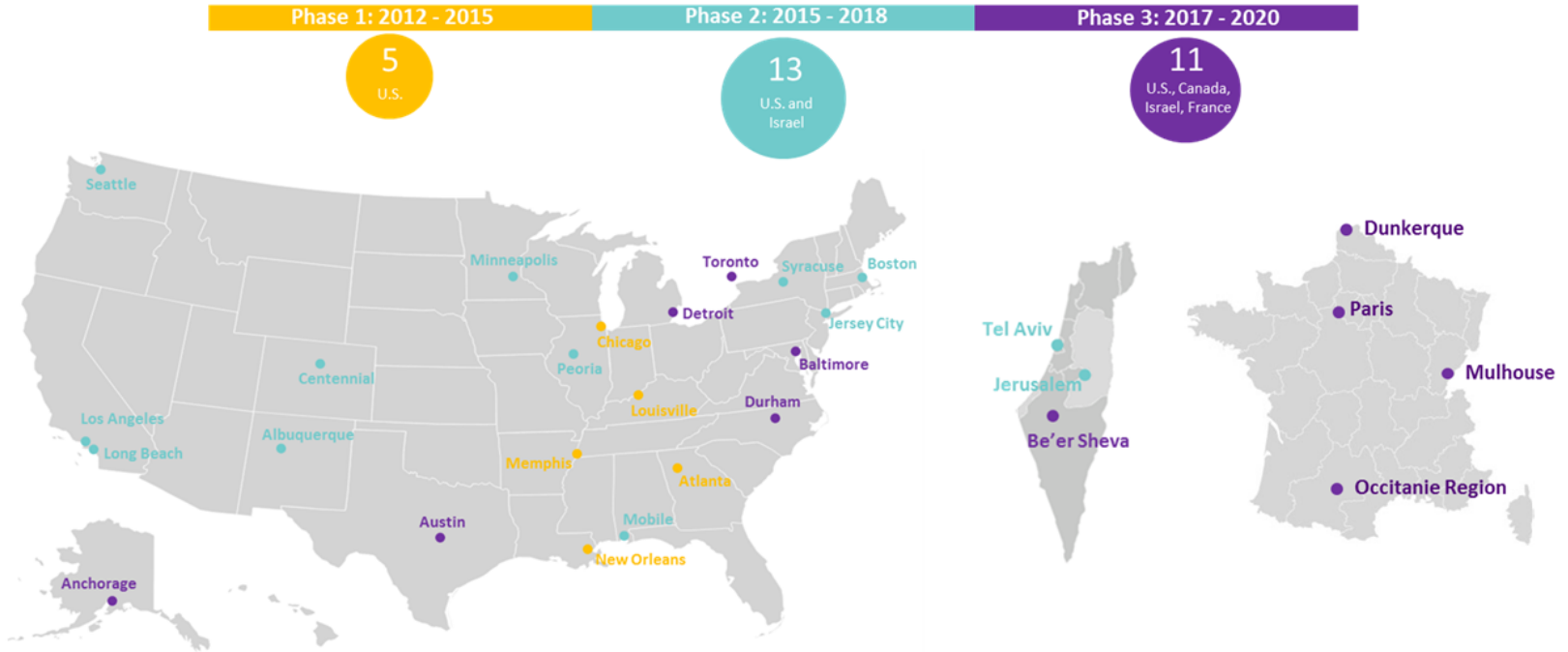
Your baby or child under the age  
of 5 is eligible to apply!

WIC ANCHORAGE IS A PROGRAM OF THE ALASKA DEPARTMENT OF SOCIAL SERVICES

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i-team

# Bloomberg Philanthropies has invested in 29 cities across 4 countries



# Anchorage i-team

- Brendan, Director
- Ben, Data Analyst
- Patrick, Design Strategist
- Sioux-z, Program Manager (now IT Director)



Emily Bokar, Innovation Strategist,  
joined the team in October 2018



# Thanks to our Sponsors







# Synthesis



3

Talk to Users





# Food Bank of Alaska

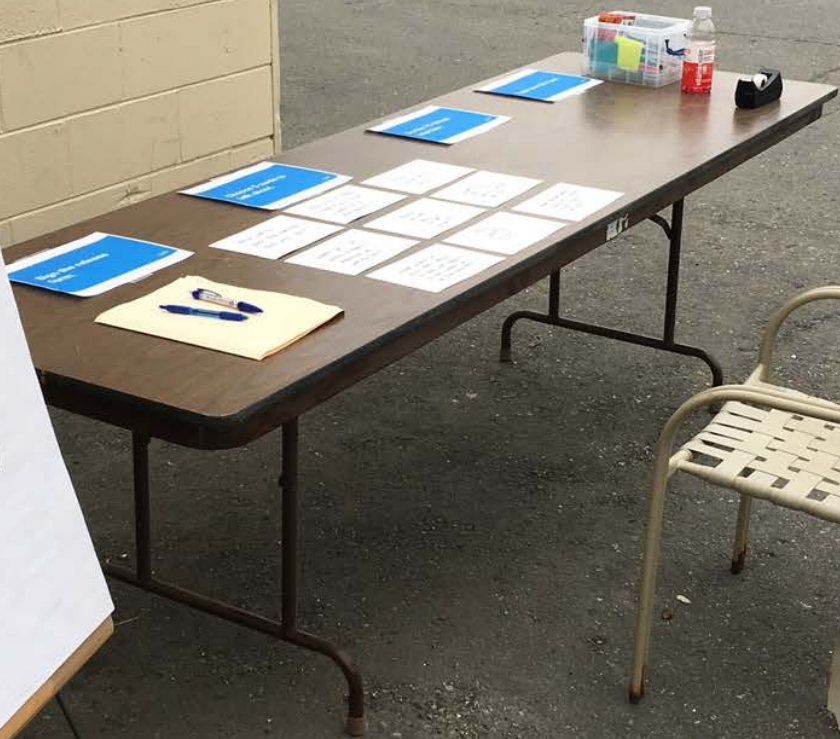


1 SPAR





**\$15** GIFT CARD  
FOR A  
**15** MINUTE  
INTERVIEW  
ABOUT  
FOOD.



WHAT BILLS  
AM I STILL  
HAVING TROUBLE  
PAYING?

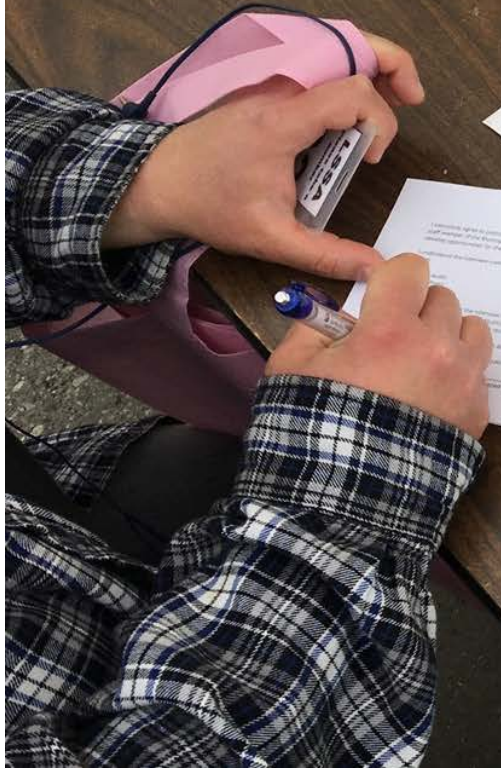
FOOD  
AT THE  
END  
OF THE  
MONTH.

HOW LONG  
DOES FOOD PANTRY  
FOOD LAST YOU?

HOW DID IT FEEL  
THE FIRST TIME  
I WENT TO A  
FOOD PANTRY?

ARE THERE OTHER  
SERVICES I CAN  
USE TO HELP PAY  
FOR FOOD?

Do  
inter



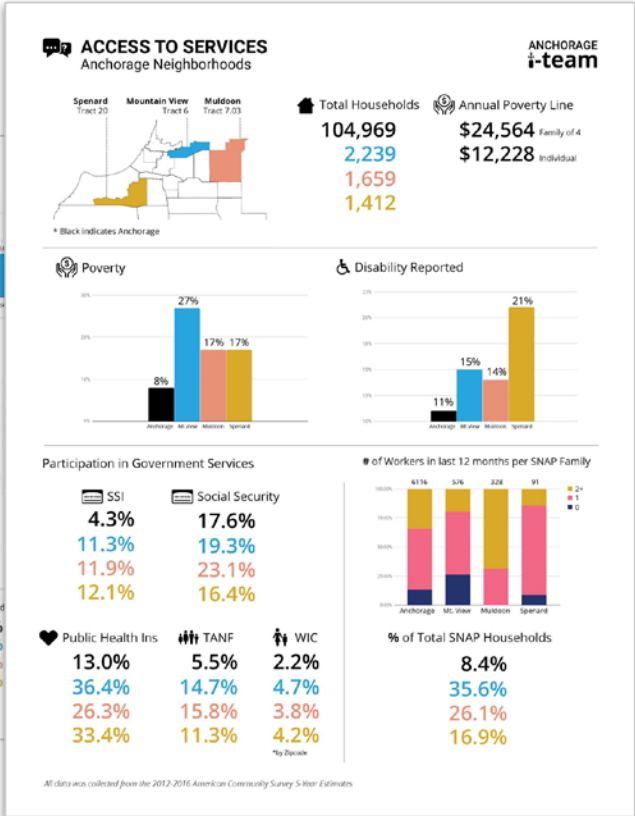
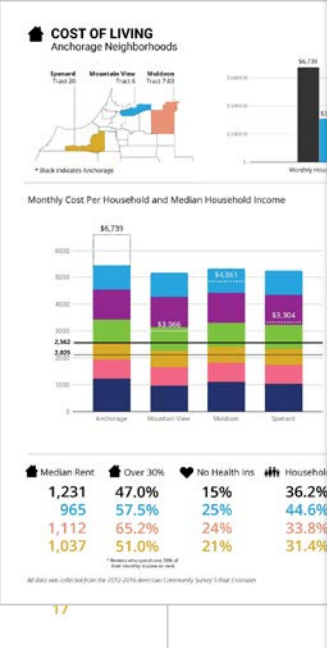
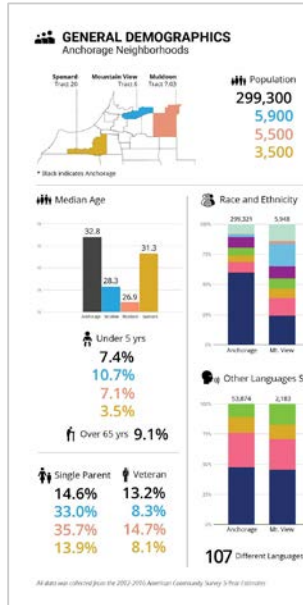
ANCHORAGE  
i-team



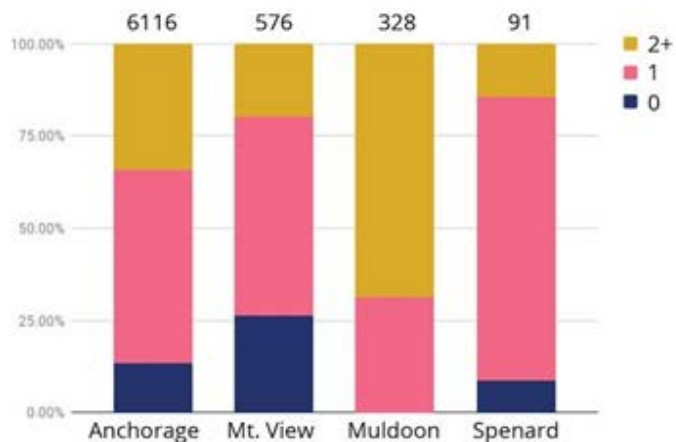
4

Data Driven

# One-pagers



### # of Workers in last 12 months per SNAP Family



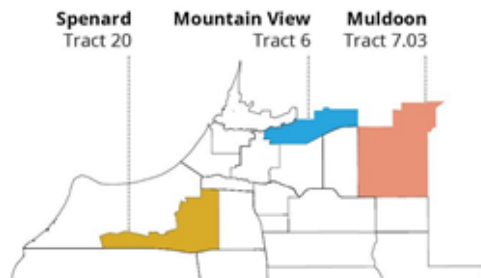
### % of Total SNAP Households

**8.4%**  
**35.6%**  
**26.1%**  
**16.9%**

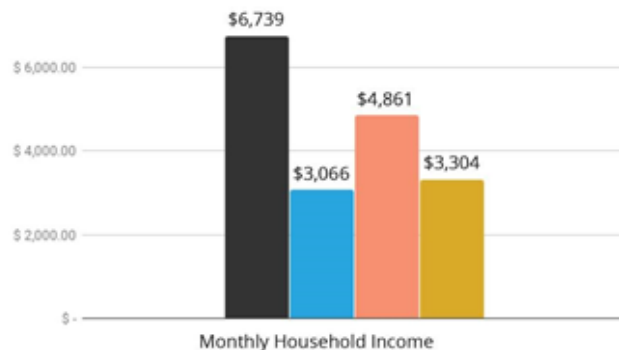
# 🏠 COST OF LIVING

## Anchorage Neighborhoods

ANCHORAGE  
i-team



\* Black indicates Anchorage

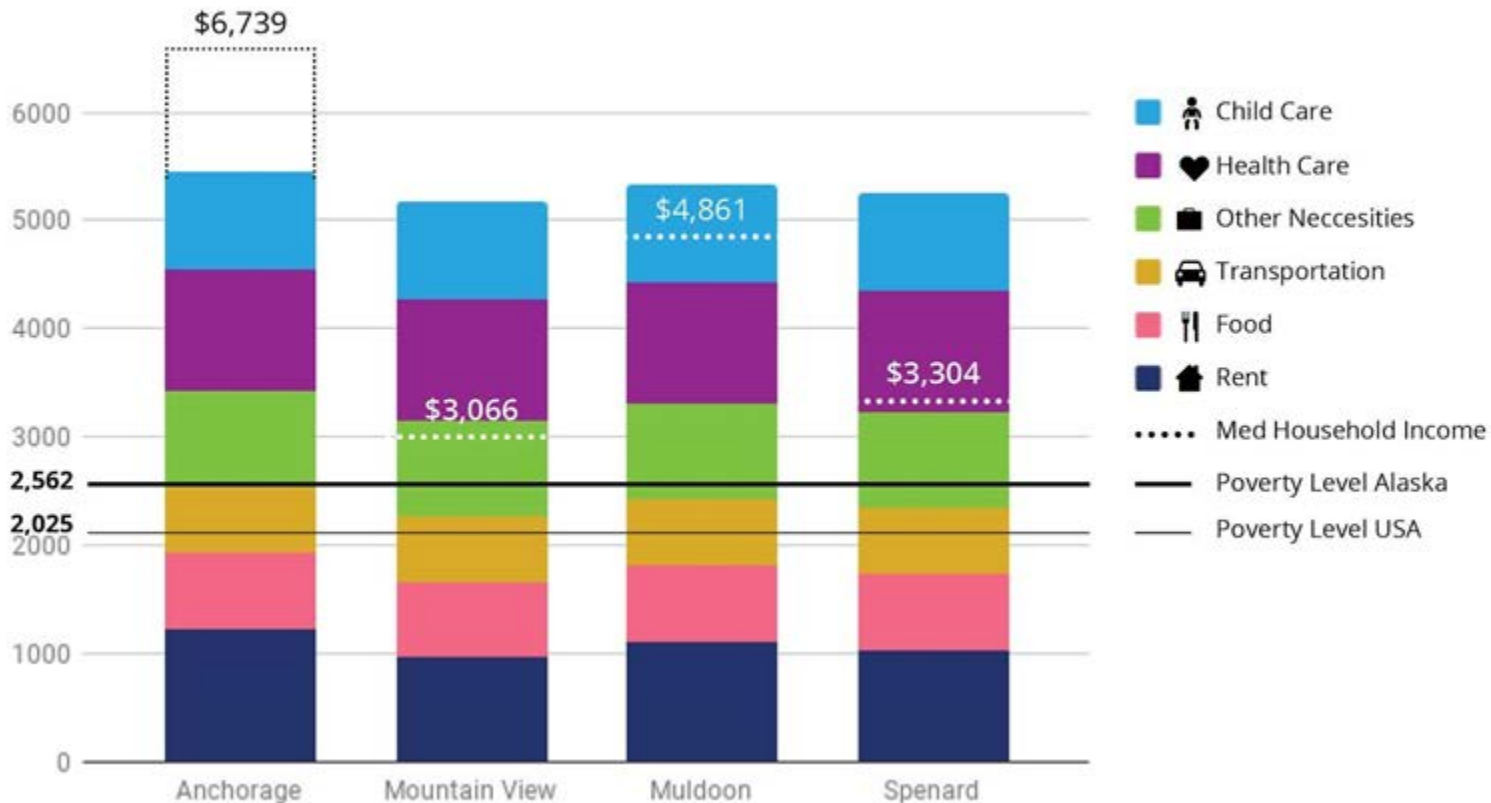


🏠 Median Rent	🏠 Over 30%	❤️ No Health Ins	👨👩👦 Households w/ kids	👩👦 Childcare
1,231	47.0%	15%	36.2%	1 in 4 Households  Where employment was restricted by lack of early care and learning services.
965	57.5%	25%	44.6%	
1,112	65.2%	24%	33.8%	
1,037	51.0%	21%	31.4%	

\* Renters who spend over 30% of their monthly income on rent.


All data was collected from the 2012-2016 American Community Survey 5-Year Estimates

# Monthly Cost Per Household and Median Household Income



## Where Does Anchorage Live and Work?

Click on an area on the map to show the places people commute to and from for work. [Read more »](#)

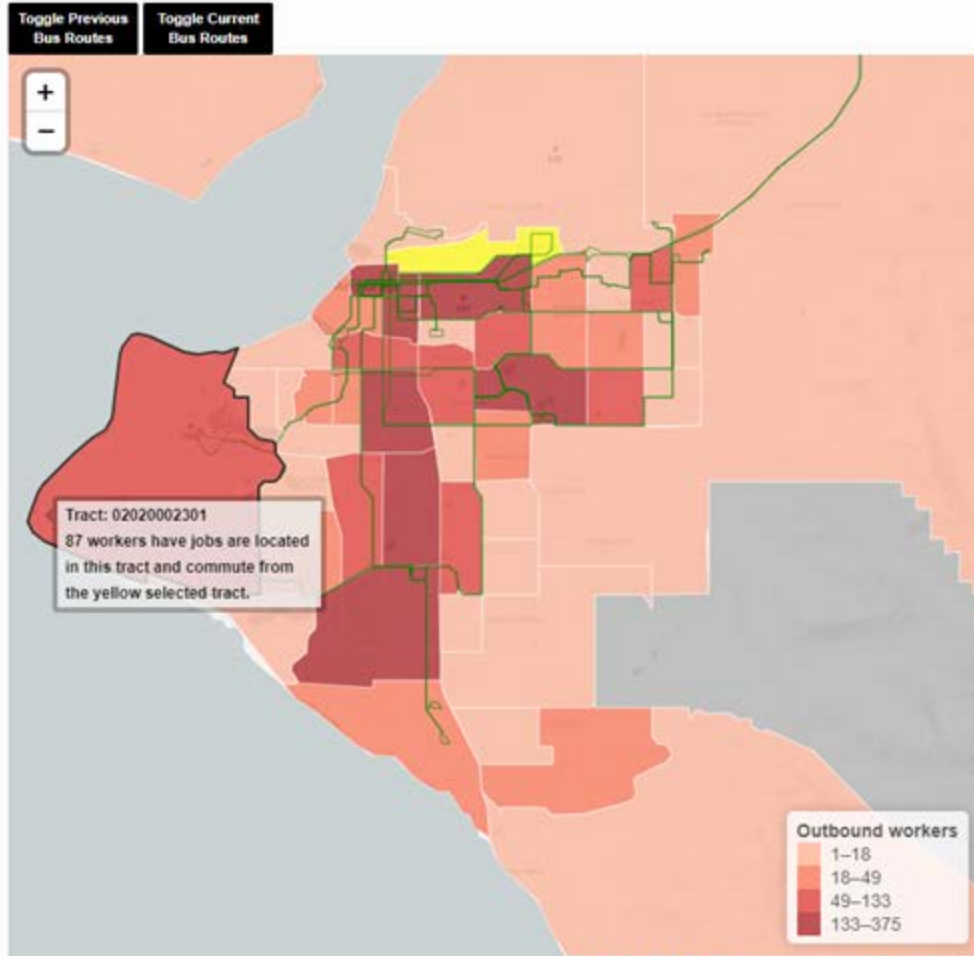
-  Workers Commuting Into Selected Tract
-  Workers Commuting From Selected Tract

Tract **0202000600** ([what's a tract?](#))

**2,903** outbound workers

**70** connected tracts

Top 5 Tracts	Commuting Workers
<a href="#">02020001900</a>	375
<a href="#">02020001100</a>	222
<a href="#">02020002712</a>	187
<a href="#">02020000600</a>	173



## Where Does Anchorage Live and Work?

Click on an area on the map to show the places people commute to and from for work. [Read more »](#)

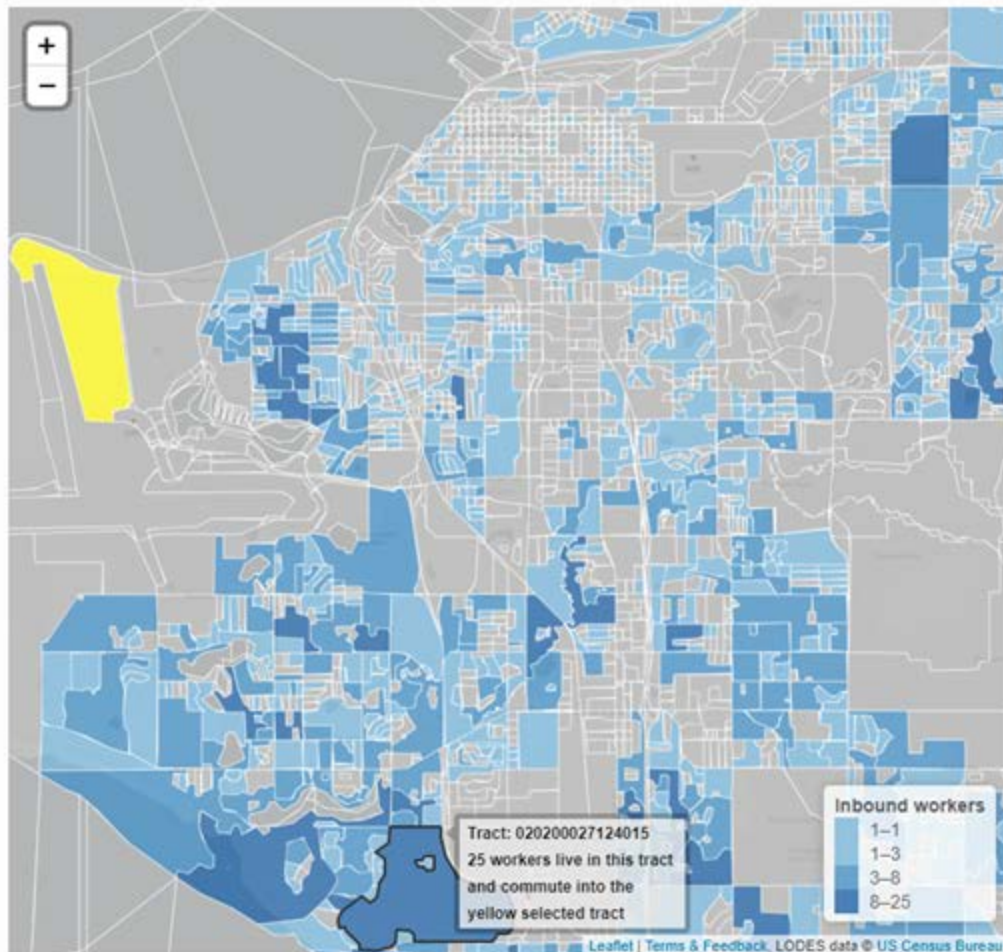
- Workers Commuting Into Selected Tract
- Workers Commuting From Selected Tract

Tract **020200023011008** ([what's a tract?](#))

**2,743** inbound workers

**1,367** connected tracts

Top 5 Tracts	Commuting Workers
<a href="#">020200027124015</a>	25
<a href="#">020200022013000</a>	16
<a href="#">020200028112000</a>	15
<a href="#">020200008014006</a>	14





# Welcome to Anchorage's Open Data Portal

"Making Anchorage an open data city will give Anchorage cutting edge transparency and improve engagement and access to the Municipality." -- Mayor Ethan Berkowitz



Restaurant Inspection Data Lens



Homeless Data



Property Data



Childcare Inspection Data Lens

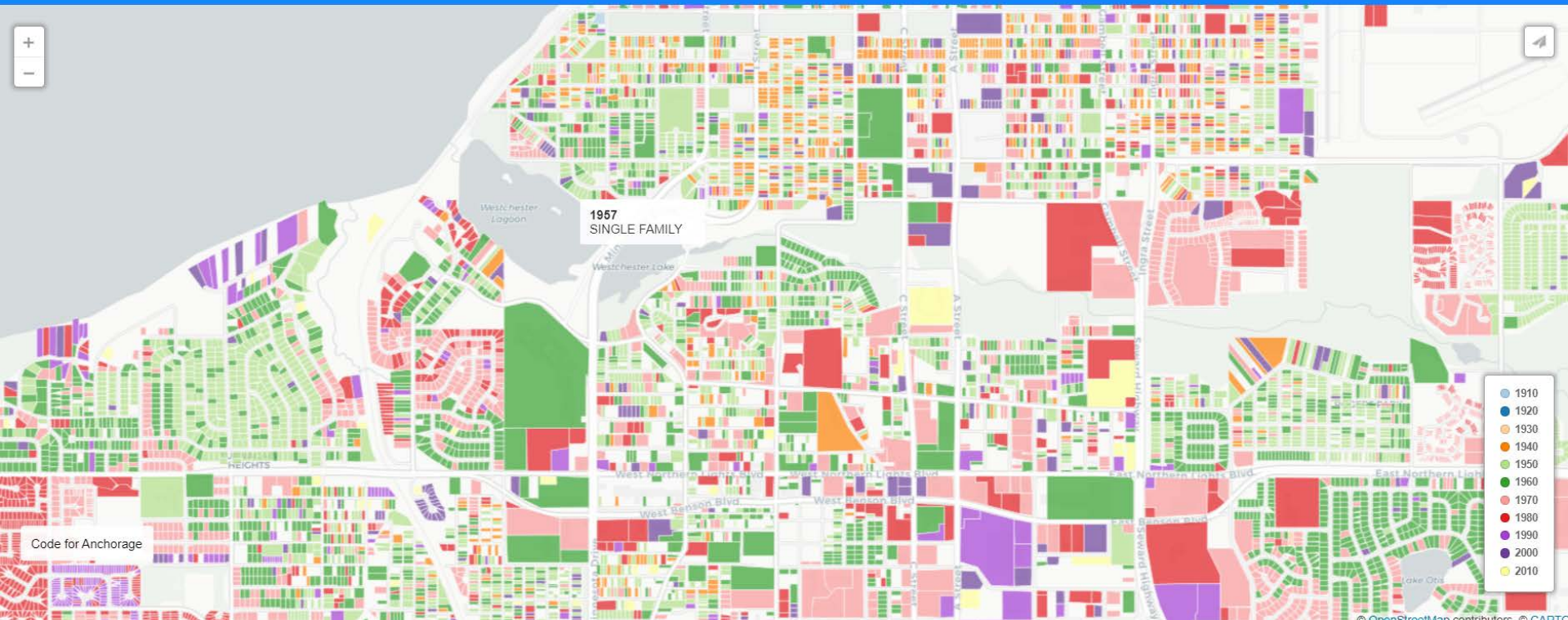


Crime Data



Maps





	<b>Row Labels</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>Grand Total</b>
1	BELLA	1	1	1	1	4
2	BUDDY	5	3	2	2	12
3	SADIE	3	2	3	4	12
4	MAX	4	4	4	3	15
5	LUCY	2	5	7	5	19
6	BAILEY	6	5	4	6	21
7	DAISY	8	7	4	7	26
8	CHARLIE	7	11	8	9	35
9	JACK	9	9	9	13	40
10	GINGER	10	8	12	13	43
11	MOLLY	10	10	13	11	44
12	COOPER	17	12	11	12	52
13	LUNA	15	17	14	8	54
14	LILY	12	13	14	18	57
15	MAGGIE	17	23	9	10	59

- Full SNAP & WIC participation would be an extra \$45 million in the Anchorage economy each year

# Reduce hunger and food hardship among food-insecure Anchorage residents

There is no one single face of hunger in Anchorage. 1 in every 10 adults and 1 in 6 children in Anchorage are food insecure. Nearly 40,000 Anchorage residents struggle with hunger.

Poor food security leads to poor health outcomes, additional stress, chronic health issues, mobility limitations, and overall decreased quality of life. It hits the young and old especially hard:

73% of SNAP users are in **families with children.**

More than **42% are in working families.**

Almost 26% are in families with members who are **elderly or have disabilities**

Hunger and food security affect people's ability to work, learn, grow, and thrive. The problem is costly in terms of people's time, mental workload, and transportation needs.

The Anchorage i-team set out to **transform** how food-insecure people navigate a complex system and **reimagine** how service providers scale their work and impact.

# OUR VISION

As Anchorage residents face economic challenges, they are able to use a **modern and supportive network** of people and services to get enough food. We envision a **transformed system** that allows everyone in Anchorage to:

- Care for themselves and their families
- Feel respected as members of a larger community
- Build financial stability and pursue new economic opportunities
- Experience improved health, housing and education
- Make Anchorage a better place to live with a healthier, better educated community & workforce

## BIG NETWORKS = BIG IMPACT

Our work can best scale to transform the lives of tens of thousands of Anchorage residents when we launch initiatives that both **reimagine** and build off programs that work at **multi-million-dollar levels**.

Our partners in SNAP, WIC, and food pantries have the unmatched **retail footprint, distribution network, funding streams**, and the key **customer relationships** that we believe can be deployed to realize the largest difference for residents of Anchorage.



# Orientation: Newbie Mondays



A special invitation for new clients to visit the pantry on Mondays for an orientation while the pantry is closed and more quiet. Clients will take a tour, receive a welcome kit, learn how the food pantry works, and enroll for other programs they may be eligible for like WIC and SNAP. Stigma will be reduced by meeting other newbies, learning how programs like these actually help Alaska by bringing in more federal dollars, and sharing opportunities to give back. Clients who have already gone through the process could be on hand to answer questions. An easy first ask, a set time to come, a sense of belonging, and a free gift -- all incentives to make coming the first time easier.





## Find Your People

Data-driven marketing campaign to connect people who are eligible for WIC + SNAP but not enrolled, so we can encourage them to take the next step. This campaign heavily utilizes metrics to find the most cost effective and high impact tools (Facebook ad, postcard, bus ad, store sign, yard sign), messaging and audiences. This plan takes advantage of techniques from business related to client acquisition and best practices in government.



## Online Forms

One easy-to-fill-out online form for finding/ applying for food including WIC, SNAP and food pantries. Letting our clients apply all at once without having to understand the intricate details of each program. The form asks for small chunks of information at once and instantly provides value. If possible, we would use data we already have on the client to pre fill-out certain sections. We'll use empowering language about all being in this together.



Alaska Women, Infants, Children (WIC) Program, Division of Public Assistance



**Family Information Form** (one per family)

**A. Applicant or Parent /Guardian for applicants under age 5** Today's Date: \_\_\_\_\_

Name (First, Middle, Last)		Maiden Name	Birth Date
Mailing Address		City	AK Zip Code
Home Phone		Cell Phone	Message Phone
May we call or leave a message? <input type="checkbox"/> yes <input type="checkbox"/> no			
May we send a post card for appointment reminders? <input type="checkbox"/> yes <input type="checkbox"/> no			
Residence address (if different than mailing address)		City	AK Zip Code
Email address		What is the highest grade in school you completed?	
Are you Hispanic or Latino <input type="checkbox"/> yes <input type="checkbox"/> no			
Race: (You may select more than one race)			
<input type="checkbox"/> American Indian/Alaskan Native		<input type="checkbox"/> Black/African American	<input type="checkbox"/> White
<input type="checkbox"/> Asian		<input type="checkbox"/> Native Hawaiian/Pacific Islander	
Would you like someone else's name on your checks, who can pick up and use your checks for you? <input type="checkbox"/> yes <input type="checkbox"/> no			
If yes, please print name: _____			

**B Household Information** (Please provide proof of income. Provide proof of identification except if you live in a rural area with no road access and less than 5,000 people.)

Are you currently on WIC?  yes  no If yes, where? \_\_\_\_\_

Have you been on WIC before?  yes  no If yes, where? \_\_\_\_\_

How did you hear about WIC? \_\_\_\_\_

Are you applying for your own WIC benefits today?  yes  no

Are you currently working?  yes  no Pay \_\_\_\_\_ per hour?

Hours worked \_\_\_\_\_ per week?

Is anyone else in the household working?  yes  no Pay \_\_\_\_\_ per hour?

Hours worked \_\_\_\_\_ per week?

How many people are living in your household? _____		How many members received last year's Permanent Fund Dividend (PFD)? _____ (include PFD even if garnished)	
Check here if pregnant <input type="checkbox"/>			
Check any of the following programs you or any family member is currently receiving:			
<input type="checkbox"/> Food Stamps	<input type="checkbox"/> Medicaid		
<input type="checkbox"/> Denali Kid Care	<input type="checkbox"/> Alaska Temporary Assistance Program		
<input type="checkbox"/> Head Start	<input type="checkbox"/> School Lunch Program		
<input type="checkbox"/> Applied for Denali Kid Care, Medicaid, ATAP- "Application is pending"			
Check any other money received:			
<input type="checkbox"/> Supplemental Security Income / Disability	<input type="checkbox"/> Self Employment	<input type="checkbox"/> Unemployment	
<input type="checkbox"/> Native Corporation Dividends	<input type="checkbox"/> Commissions	<input type="checkbox"/> Other	
Are you? <input type="checkbox"/> Married	<input type="checkbox"/> Single	<input type="checkbox"/> Divorced	
<input type="checkbox"/> Separated	<input type="checkbox"/> Living with a partner/significant other		

Do you want to register to vote here at the WIC office?  yes  no **TURN PAGE**



**Family Information Form**

Alaska Women, Infants, Children (WIC) Program, Division of Public Assistance

Today's Date: \_\_\_\_\_

1. Are you currently on WIC?  Yes  No If yes, where? \_\_\_\_\_

2. Have you been on WIC before?  Yes  No If yes, where? \_\_\_\_\_

3. How did you hear about WIC? \_\_\_\_\_

**Applicant or Parent / Guardian for applicants under age 5** (Please print and use legal names)

4. Name (First, Middle, Last)		5. Maiden Name	6. Birth Date
7. Home address		8. Apartment or suite number	
9. City		10. State	11. ZIP Code
12. Mailing Address (if different from Home address)		13. Apartment or suite number	
14. City		15. State	16. ZIP Code
17. Home phone number ( ) -		18. Other phone number ( ) -	
19. May we call or leave a message? <input type="checkbox"/> Yes <input type="checkbox"/> No			
20. May we send a post card for appointment reminder? <input type="checkbox"/> Yes <input type="checkbox"/> No			
21. Email address: _____			
22. Are you Hispanic or Latino? <input type="checkbox"/> Yes <input type="checkbox"/> No			
23. Race (Check all that apply)			
<input type="checkbox"/> American Indian or Alaska Native		<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Pacific Islander		<input type="checkbox"/> White	

**Household Information** (Please provide proof of income)

24. Are you applying for your own WIC benefits today?  Yes  No

25. Are you currently working?  Yes  No Pay per hour? \_\_\_\_\_ Hours worked? \_\_\_\_\_

26. Is anyone else in the household working?  Yes  No Pay per hour? \_\_\_\_\_ Hours worked? \_\_\_\_\_

27. Are you pregnant?  Yes  No

28. How many people are living in your household? \_\_\_\_\_

29. How many members received last year's Permanent Fund Dividend? (Include even if garnished) \_\_\_\_\_

30. Check any of the following programs you or any family member is currently receiving:

Food Stamps  Head Start  Alaska Temporary Assistance Program  Applied for Denali Kid Care, Medicaid, ATAP - "Application Pending"

Denali Kid Care  Medicaid

31. Check any other money received:			
Supplemental Security Income/Disability	Self Employment	Unemployment	
Native Corporation Dividends	Commissions	Other	
32. Marital Status:  Married  Single  Divorced  Separated  Living with a partner / significant other			
33. What is the highest grade in school you completed? \_\_\_\_\_			
34. Do you want to register to vote here at the WIC office?  Yes  No  Already registered			
35. Would you like someone else's name on your checks, who can pick up and use your checks for you?  Yes  No			
If yes, please print name: \_\_\_\_\_			

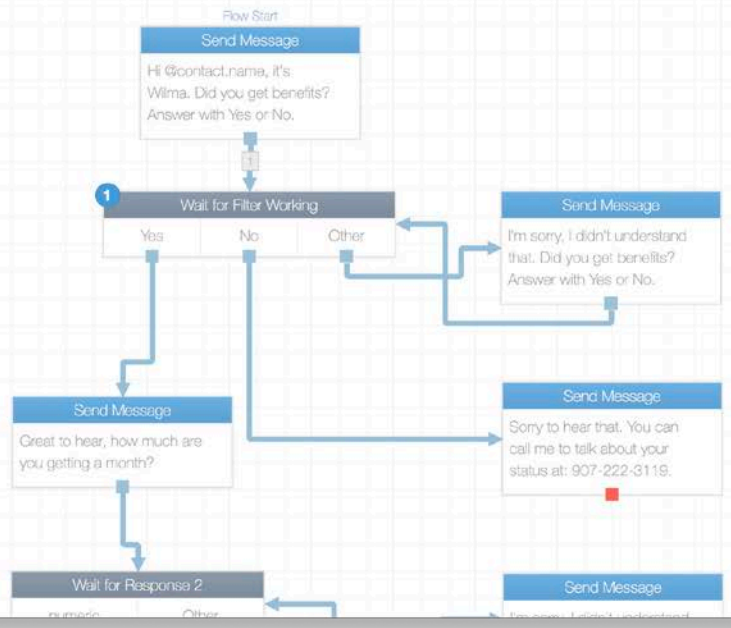


## Wilma

A text message-based tool to assist people in learning about SNAP resources. The assistant is available to help answer questions, navigate the registration process, and help new customers prepare to use SNAP.



# Follow Up



7:46

LTE 



+1 (206) 202-7122 >

Text Message  
Mon, Feb 4, 3:31 PM

Sent from your Twilio trial account - Hi Brendan, it's Wilma. Did you get benefits? Answer with Yes or No.

Yes

Sent from your Twilio trial account - Great to hear, how much are you getting a month?

450

Sent from your Twilio trial account - Do you have any children in your household? Answer with Yes or No.

Yes



Text Message





## Order Online

WIC/SNAP participants can order what they need online using EBT card and have items delivered to their homes or available for pick up in a store.

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# Next Steps



- 
- Create Prototypes with partners
  - Test and measure results of prototypes w/partners and handover implementations to partners in March



Thank You



# Alaska CourtBot

A free service that will send you a text message reminder the day before your court hearing.

## How it works:

Just text your case or ticket number to:

**907-312-2700**

We will attempt to send you a reminder the evening before your court hearing. Case numbers are 14 characters long like: 1KE-19-01234MO. Ticket numbers can be 8 to 17 characters long, for example: KETEEP000123456.

## Frequently asked questions

### How do I turn off all notifications?

Reply to the message with "stop" and we will stop sending you notifications.

### How do I turn off notifications for an individual case or ticket?

Text in the case or ticket number you are currently following to 1-907-312-2700 and the service will reply with the option to reply "DELETE" to stop notifications for that case or ticket.