



**CITY OF ST. AUGUSTINE CITY COMMISSION
EMERGENCY MEETING AGENDA
MONDAY, APRIL 13, 2020
11:00 A.M.
COMMUNICATIONS MEDIA
TECHNOLOGY (CMT) MEETING**

Pursuant to the Charter of the City of St. Augustine and Resolution 2019-21, an Emergency Meeting of the City of St. Augustine City Commission will be held on Monday, April 13, 2020 at 11:00 a.m. The Emergency Meeting will allow for the use of Communications Media Technology (CMT) under the authority granted by the Governor of the State of Florida pursuant to Executive Order 20-69.

The Alcazar Room at City Hall will be open for attendance with limited capacity consistent with the public health, and life safety requirements as promulgated by the CDC. These include mandated capacity and distancing requirements. Physical attendance will be prioritized as follows until maximum capacity is reached:

- a. Commission Members
- b. City Attorney
- c. City Manager
- d. City Clerk
- e. Required staff for public records and multi-media operation
- f. Public participants

HOW TO VIEW THE MEETING:

The meeting will be broadcast live at:

The City's website <http://CityStAugTV.com>

Government Comcast Channel 3

HOW TO PROVIDE PUBLIC COMMENT:

EMAIL

Members of the public wishing to provide public comment prior to the meeting may submit comments via email at cityclerk@citystaug.com. All comments must be received by (2 HOURS PRIOR TO MEETING). All public comment will be limited to three (3) minutes. The City Clerk will receive and preserve all written comment consistent with Florida Public Records law but will only read into the record the equivalent of three (3) minutes or 400 words.

PHYSICALLY PRESENT

Members of the public physically present in chambers may make public comment consistent with adopted administrative rules.

PHONE

Members of the public who wish to participate utilizing CMT are requested to dial in 904-293-4330 only when prompted for the specific item on the agenda or at open public comment. The callers will be placed on hold and queued for each agenda item public comment period.

All other Rules of Decorum shall apply to the extent they do not conflict or are not applicable. The meeting moderator will monitor adherence to the Rules of Decorum and may mute any persons determined to be in violation.

1. CALL TO ORDER

- ◆ Roll Call
- ◆ Invocation and Pledge of Allegiance

2. STATEMENT OF THE MAYOR

3. CITY ATTORNEY ANNOUNCEMENT OF PROCEDURES

- ◆ Resolution 2020-13: Adopting Emergency Meeting Procedures pursuant to Executive Order 20-69 for the Declared State of Emergency in Response to COVID-19.

4. PUBLIC COMMENTS FOR GENERAL PUBLIC COMMENTS OR FOR AGENDA ITEMS NOT REQUIRING A SEPARATE PUBLIC HEARING

- ◆ 3 minutes per individual

5. AGENDA ITEMS AS DETERMINED BY CITY MANAGER

- ◆ Update on the City's current COVID-19 activities – Due to the fluid nature of the virus, the City Manager will provide a report contemporary to the day of the meeting.

- ◆ **Resolution 2020-14**: Consideration of a Modification of Event Policy
- ◆ City Manager Presentation on Kinsa Smart Thermometers Pilot Project:
Discussion to include remarks by Dr. Nirav Shah, Stanford University
- ◆ Approval to issue Proclamation 2020-05 to recognize Health Care Decisions Day

6. ITEMS BY MAYOR AND COMMISSIONERS

7. ADJOURN

NOTICES:

- In accordance with Florida Statute 286.0105: “if a person decides to appeal any decision made by the board, agency, or commission with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.”
 - In accordance with the Americans with Disabilities Act, persons needing a special accommodation to participate in this proceeding should contact the individual or agency sending notice not later than one (1) day prior to the proceeding at the address given on the notice. Telephone 904-825-1007; 1-800-955-8771 (TDB) or 1-800-955-8770 (V) via Florida Relay Services.
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RESOLUTION NO. 2020-13

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF ST. AUGUSTINE, FLORIDA ADOPTING, EMERGENCY MEETING PROCEDURES PURSUANT TO EXECUTIVE ORDER 20-69 FOR THE DECLARED STATE OF EMERGENCY IN RESPONSE TO COVID-19.

WHEREAS, the City Charter provides for regular meetings, as well as special or emergency meetings of the City Commission; and

WHEREAS, Resolution 2019-21 was adopted by the City Commission on August 12, 2019 providing for rules, procedures and policies related to the conduct of the City Commission meetings; and

WHEREAS, Resolution 2019-21 provided for emergency meetings to comply with the requirements of federal, state, and local law; and

WHEREAS, Sec. 4.10 of the City Charter provides that the city manager shall take all reasonably necessary administrative action to preserve life, property, and the public welfare pursuant to a declared federal, state, or local state of emergency; and

WHEREAS, on March 1, 2020, Governor DeSantis declared a Public Health Emergency as a result of COVID-19; and, on March 9, 2020, Governor DeSantis issued Executive Order 20-52 (EO 20-52), declaring a State of Emergency as a result of COVID-19; and

WHEREAS, on March 11, 2020, the World Health Organization declared the spread of COVID-19 to be a global pandemic; and, on March 13, 2020, President Trump declared a national emergency concerning COVID-19; and

WHEREAS, in response to concerns raised by local government bodies, Governor DeSantis issued Executive Order Number 20-69 (EO 20-69), which suspended any Florida Statute that requires a quorum to be present in person or requires a local government body to meet at a specific public place; and

WHEREAS, EO 20-69 allows a local government to utilize communications media technology (CMT) as provided in Section 120.54(5)(b)2, Florida Statutes.

WHEREAS, the City Commission finds that adoption of the following rules and procedures will further the public health, safety and welfare, as well as, the good governance of the City.

THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ST. AUGUSTINE, FLORIDA:

Section 1. The Communications Media Technology (CMT) Quasi-Judicial, Legislative, and Administrative Hearing Procedures are hereby adopted and incorporated herein as Exhibit "A".

Section 2. The Acknowledgement of Waiver of Rights form is hereby adopted and incorporated herein as Exhibit "B".

Section 3. Noticing of emergency meetings shall comply with the requirements of City Charter Section 5.04, City Ordinance 2019-21, and EO 20-69 for emergency meetings utilizing communications media technology.

Section 4. The Order of Business will be determined by the City Manager for those matters related to the public health, safety and welfare under the existing State of Emergency.

Section 5. The City Manager may amend or modify these procedures as may be necessary under a then existing state of emergency pursuant to the plenary authority granted by Resolution 2020-10 adopted March 9, 2020.

Section 6. All other Rules of Decorum shall apply to the extent they do not conflict or are not applicable.

ADOPTED in Emergency Session of the City Commission of the City of St. Augustine, Florida, this ____ day of _____, 2020.

ATTEST

Tracy W. Upchurch, Mayor-Commissioner

Darlene Galambos, City Clerk
(SEAL)

EXHIBIT "A"

COMMUNICATIONS MEDIA TECHNOLOGY (CMT) QUASI-JUDICIAL, LEGISLATIVE, AND ADMINISTRATIVE HEARING PROCEDURES

1. Communications Media Technology (CMT) shall mean any alternative forms of audio, video, electronic, or digital communication transmitted or hosted via telecommunications or computer web-based platform services.
2. Implementation of these CMT procedures shall only be utilized during the pendency of a declared State of Emergency by the Governor's office. The Executive Order of the Governor must allow for suspension of any Florida Statute requiring a quorum to be physically present.
3. These CMT Procedures will be available for meetings of the Planning and Zoning Board (PZB), the Historic Architectural Review Board (HARB), the Code Enforcement and Adjustment and Appeal Board (CEAAB), the City Commission, and the City's Retirement Pension Boards.
4. All Applicants have the option of deferring their case to be heard at a future date under established non-emergency hearing procedures.
5. Any Applicant choosing to have their case heard under these CMT procedures must complete the Acknowledgment and Waiver form provided. This form shall be completed by the Applicant or Applicant's Agent/Legal Counsel AND the property owner, if different. The form must be sworn to, or affirmed, and notarized.
6. Noticing provisions are not suspended. Noticing will be as required by the City Code and Florida Statutes. Noticing will include information on how the public or Applicants may participate by CMT.
7. Agenda packets shall be available online.
8. The public meeting room will be open for attendance consistent with public health, and life safety requirements, as those are promulgated, including any mandated capacity and distancing requirements. Attendance will be prioritized as follows:
 - a. Board/Commission Members
 - b. City Attorney/Assistant City Attorney
 - c. City Manager/Staff Presenters
 - d. City Clerk/Recording Secretary
 - e. Applicant and/or Applicant's Agent/Legal Counsel
 - f. Witnesses for Applicant
 - g. Public Participants
9. Board/Commission Members may attend physically or by CMT means reasonably available under the emergency circumstance.
10. Applicants and/or Applicants' Agent and witnesses may attend physically or by CMT. All testimony will be sworn, except for Applicant's legal counsel, consistent with Florida Bar rules.
11. Presentation materials must be provided to the City Clerk's office no later than five (5) business days prior to the meeting to allow for their display during the Applicant's case.
12. Public comment and participation will be conducted, and public commenters may be sworn, or may make unsworn comment consistent with Florida law. Members of the public physically present in chambers may make public comment consistent with adopted administrative rules.

Members of the public who wish to participate utilizing CMT will be requested to dial in to the announced phone bank number only when prompted for the specific item next on the agenda. The callers will be placed on hold and queued for each agenda item public comment period. In the alternative, members of the public may provide written comment to the City Clerk prior to the hearing, via drop box, U.S. Mail, or email. The City Clerk will read any received written comments into the record. All public comment will be limited to three (3) minutes. The City Clerk will receive and preserve all written comment consistent with Florida Public Records law but will only read into the record the equivalent of three (3) minutes or 400 words.

13. All other Rules of Decorum shall apply to the extent they do not conflict or are not applicable. The meeting moderator will monitor adherence to the Rules of Decorum and may mute any persons determined to be in violation.
14. Applicants and/or Applicants' Agent/Legal Counsel may rebut public comments through the Chairperson.

Filed in the office of the City Clerk, of the City of St. Augustine, this ____ day of April, 2020.

John P. Regan, City Manager

EXHIBIT "B"

ACKNOWLEDGEMENT AND WAIVER OF RIGHTS

I, the undersigned Applicant or Agent, and Property Owner, hereby acknowledge and agree that:

- Applicant and/or Property Owner has the option of deferring their case to be heard at a future date under established non-emergency hearing procedures.
- Applicant and/or Property Owner knowingly and willingly chooses to proceed to hearing under the Communications Media Technology (CMT) Quasi-Judicial, Legislative, and Administrative Hearing Procedures.
- CMT procedures are held only during a declared State of Emergency by the Governor. Such procedures may or may not comply with Florida Statutes or Case Law governing Quasi-Judicial, Legislative or Administrative Hearings.
- Applicant and/or Property Owner knowingly waives the right of cross-examination of witness or commenters choosing to participate in the hearing utilizing CMT.
- Decisions and Orders of any board or commission may be subject to challenge by private parties, government agencies, and affected or aggrieved persons. Further, such Orders or Decisions are subject to be overturned by a court of competent jurisdiction. Applicant and/or Property Owner agree to indemnify and hold harmless the City of St. Augustine, its boards and commission, staff, and appointed and elected officials, for any claims arising out of Applicant and/or Property Owner's decision to proceed to hearing utilizing CMT procedures. Applicant and/or Property Owner agree to pay all attorneys fees and costs incurred by the City in defending Decisions or Orders utilizing CMT procedures related to their hearing.
- Applicant and/or Property Owner fully understand the risks and costs of litigation and have independently assessed these risks and costs and choose to proceed with hearing of the application utilizing CMT procedures.

Applicant and/or Property Owner further acknowledges that he/she has had an opportunity to consult with and be represented by counsel of their choosing and is advised to do so. Applicant and/or Property Owner is fully aware of procedures and rights waived above. Applicant and/or Property Owner freely, without duress or coercion, and based on Applicant and/or Property Owners own judgment wish to proceed with hearing of their application utilizing CMT hearing procedures.

PROPERTY OWNER

STATE OF FLORIDA
COUNTY OF _____

I HEREBY CERTIFY that on this day, personally appeared before me, by means of ☐ physical presence or ☐ online notarization, _____, who is personally known to me or who has produced _____ as identification, who is the person described in and who executed the foregoing instrument and who acknowledged before me that he/she executed the same for the uses and purposes therein expressed.

Witness my hand and official seal, this _____ day of _____, 2020.

Notary Public, State of Florida

APPLICANT OR APPLICANT'S AGENT

STATE OF FLORIDA
COUNTY OF _____

I HEREBY CERTIFY that on this day, personally appeared before me, by means of ☐ physical presence or ☐ online notarization, _____, who is personally known to me or who has produced _____ as identification, who is the person described in and who executed the foregoing instrument and who acknowledged before me that he/she executed the same for the uses and purposes therein expressed.

Witness my hand and official seal, this _____ day of _____, 2020.

Notary Public, State of Florida

RESOLUTION NO. 2020-14

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF ST. AUGUSTINE, FLORIDA, AMENDING AND RESTATING RESOLUTION 2018-13 REGARDING LIMITS ON THE NUMBER OF SPECIAL EVENTS HELD DURING CERTAIN TIMES AND ESTABLISHING FEES FOR THE USE OF PUBLIC PROPERTY FOR EVENTS.

WHEREAS, special events have long been a part of the cultural environment of the City of St. Augustine, which includes annual parades, festivals, art shows and musical performances; and

WHEREAS, the City supports a wide variety of special events by making venues available that include Francis Field, the Gazebo in the Plaza de la Constitucion, the Municipal Marina, Lightner Courtyard and rights-of-way throughout the City; and

WHEREAS, residents and businesses in the City have consistently identified quality of life as a core value and identified mobility issues as being a primary challenge to that core value; and

WHEREAS, the City Commission continues its commitment to support solutions to mobility issues through budgetary and staff support; and

WHEREAS, the City Commission recognizes that during a state of emergency, previously scheduled events may have to be cancelled and rescheduled; and

WHEREAS, the City Charter places administrative authority during a declared state of emergency on the City Manager; and

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE
CITY OF ST. AUGUSTINE, FLORIDA, THAT:**

Section 1. A national and state emergency declaration has been issued as a result of the COVID-19 pandemic. The Governor of Florida has issued mandatory limits on public gatherings, and the City Manager has issued administrative orders cancelling previously scheduled festivals and events in the City of St. Augustine.

Section 2. The occurrence of a declared state of emergency is possible in the future, and the City Commission wishes to grant the City Manager flexibility in rescheduling festival and events should the need arise now or in the future due to cancellations ordered as part of a declared state of emergency.

Section 3. Resolution 2018-13 Special Events, is hereby amended to include a new section 13, as follows:

“Section 13. Notwithstanding the provisions above, the City Manager will have authority to reschedule festivals and events cancelled due to a declared state of emergency consistent with the emergency authority granted to the City Manager in the City Charter.”

Section 4. All other provisions of Resolution 2018-13 not in conflict therein are hereby affirmed and restated.

ADOPTED in Special Session of the City Commission for the City of St. Augustine,
Florida this _____ day of _____, 2020.

CITY OF ST. AUGUSTINE, FLORIDA

Tracy W. Upchurch, Mayor-Commissioner

ATTEST:

City Clerk, Darlene Galambos
(Corporate Seal)



March 31, 2020

Re: Implementation Plan to Accelerate a dense network of Real Time Temperature Monitoring in the City of St. Augustine to Aid in the COVID-19 Monitoring and Response

Tracy Upchurch, Mayor, City of St. Augustine
Leanna Freeman, Vice Mayor, City of St. Augustine
Nancy Sikes-Kline, Commissioner, City of St. Augustine
John Valdes, Commissioner, City of St. Augustine
Roxanne Horvath, Commissioner, City of St. Augustine

EXECUTIVE SUMMARY

The City of St. Augustine, in collaboration with Kinsa, Inc., is developing a pilot project to provide real-time temperature data by distributing an additional 600 thermometers to households in the city. This will enable public health officials to monitor, predict, and respond to aggregated changes in fever data with the presence of the COVID-19 pandemic in the city. The project is intended to be initiated by April 22.

Kinsa has created an internet-connected thermometer that allows it to anonymously collect and aggregate fever data. Kinsa has distributed over 1 million thermometers in homes across America today. With these real-time sensors, Kinsa has accurately predicted flu epidemics weeks in advance of the CDC's own surveillance tool. Just two weeks ago, Kinsa's data indicated an unusual rise in fevers in South Florida, even though it was not known to be a Covid-19 epicenter. Within days, testing showed that South Florida has become an epicenter.

The pilot project plan envisions the distribution of 600 thermometers to voluntary households that would maximize surveillance benefit. The project will prioritize households of first responders most likely in contact with the virus, large member households, and family households in underserved communities which might delay seeking care and treatment.

The data collected and analyzed will allow public health and government officials to identify temperature spikes and deploy testing, quarantine, and other health measures where most needed. The data will also facilitate target messaging to affected neighborhoods and the evaluation of the efficacy of orders aimed at controlling and combating the pandemic.

This project's sentinel monitoring network will not only provide immediate benefits, but will prepare the community for any future recurrence of this virus, which some health officials have predicted for later this year.

John Regan, P.E.
City Manager,
City of St. Augustine

Inder Singh
CEO & Founder, Kinsa
Former Executive Vice President,
Clinton Health Access Initiative

Nirav R. Shah, MD, MPH
Senior Scholar, Stanford University
Former Commissioner, NYS Dept of
Health

PLAN OVERVIEW

Dear Mayor and commissioners:

The authorship of this plan is the collaborative effort between myself and the individuals listed below:

Inder Singh

CEO & Founder, Kinsa Inc.

Former Executive Vice President, Clinton Health Access Initiative

Dr. Nirav Shah

Senior Scholar, Stanford University

Former Commissioner, NY State Department of Health

Additional background articles, Kinsa links and biography links are provided in the appendix. I would also like to thank Commissioner Nancy Sikes-Kline whose perseverance brought us together.

PROBLEM

With a shortage of tests and no early warning systems for where outbreaks are occurring in real time, it's difficult for public health officials to know how to respond to and triage cases of COVID-19. The current predictive tools have a long lag time in response and with the scarcity of COVID-19 test results we are unable to make predictive public health policy decisions. The purpose of predictive analytical methods is to identify trends so that there can be a rapid intervention of testing, isolation and containment. This is the basic principle of public health policy that has successfully reduced diseases throughout the world. A clear example of recent success is Vo, Italy, where the entire town's population was tested and rapid intervention was enacted, thus arresting COVID-19 spread.

PROJECT GOAL

The goal of our pilot project is to give our public health officials an additional tool to monitor and dramatically reduce illness spread from COVID-19, flu, cold and more by providing real time data to speed the public health policy cycle. The pilot project hinges on a technological platform developed by Kinsa that aggregates body temperature data. The City is looking to accelerate the statistical confidence of the tool via rapid deployment of 600 additional thermometers into voluntary households that will provide the maximum surveillance benefit for community monitoring. Between the 600 units, and the already deployed units from historical commercial sales, we are looking to have participation of 10% of City households to create a high statistical confidence monitoring network. It is anticipated that the City pilot project will be the densest temperature sentinel network to date. Besides protecting the health of our neighbors in the City of St. Augustine, the pilot results may lead to an evolution and change in the nation's public health monitoring programs.

The network will be used to develop an operational real-time monitoring system for public health officials, adding important data to existing COVID-19 responses and recovery. Importantly, it also provides a potential communication tool to aid in quick government decision making. It can then monitor the performance of public health policy decisions such as "social distancing" guidelines and mandates. Our pilot could provide the baseline information necessary for a nation wide approach that would allow government officials to better prevent, mitigate, and control the transmission of COVID-19 and other diseases.

The network will be immediately useful today and provide a dense sentinel monitoring network for a possible second wave of COVID-19 that may occur in the fall. This is a major additional benefit.

BACKGROUND

Kinsa has over 1 million smart thermometers in homes across America today -- over 90% of the market -- and with these real-time sensors is able to [accurately predict](#) how flu is spreading across the country. In February, Kinsa

modified this tool to identify anomalous spikes in fever which cannot be explained by seasonal flu trends -- and in many cases, this is the first and only signal of COVID-19 spreading in a community. A public website sharing this information was launched on March 18 at healthweather.us and profiled in the [NY Times](#) and other publications.

PROPOSAL

1. The City will work with Kinsa to **create a dashboard** for monitoring and response specific to our City for use by public health officials and first responders.
2. **Distribute 600 additional thermometers** to households in the City to achieve a level of surveillance resolution that will allow for an even more localized 'signal' of possible COVID-19 spread. The City-purchased thermometers will be distributed at cost (\$20 each) with Kinsa's in-kind support for dashboard development and back-end support.

This is an opportunity to make decisions with real data on whether our responses are having an impact within days instead of weeks or months. It uses the same principles of public health monitoring, but much more quickly. Speed is the key to limiting disease spread.

NETWORK DESIGN

The 600 units will be distributed to targeted households with the priority distribution as follows:

1. Larger households, where COVID-19 is likely to linger longer, leading to unwitting spread once social distancing regulations are relaxed.
2. Families in underserved communities, which typically seek care and treatment later, potentially spreading the virus before testing and treatment occur.
3. Families of first responders who are most likely to have contact with COVID-19 (note: this does not include distribution to clinicians for use in provider settings; Kinsa's thermometers and surveillance are designed for use at home).

DEPLOYMENT

What's important when distributing these thermometers is ensuring a high activation rate. Otherwise, we will not be able to increase the granularity of the data in the City. There needs to be an *opt-in* so that the people who get the thermometers, use and therefore automatically transmit the data via the app. An opt-in is by voluntary participation. It would be preferable to work with the St. Johns County School District to facilitate finding participants.

The City can do a public messaging campaign to find participants and screen callers using a checklist of preferred criteria. We can use our utility customer service representatives or other City phone banks to screen and select participants. Currently, there is low call load to City offices. In other words, we will use our current customer service infrastructure that has been idled down due to the drop in call and walk-in volume from the coronavirus pandemic.

The units can be delivered to the selected households by city employees following good hygiene practices for package delivery. Our employees know our city and our residents; we can distribute the units within a few days.

COMMUNICATION

Our communications team can use our social media and other traditional platforms to communicate to the public. Mr. Singh and Dr. Shah will also do their best to communicate the importance and innovative nature of the program to our community. Dr. Shah carries a large COVID-19 patient case load in the San Francisco Area and Mr. Singh is also busy working with public health officials to track and slow the coronavirus pandemic. Given their time demand, they will do their best to participate in a virtual City Commission meeting in the immediate future.

Dr. Shah, Mr. Singh and I hope our project leads to improving our public health policy and protecting the health of the City through community collaboration. Our City hopefully will also have an impact in the evolution of

technological approaches to public health at the national level.

Again, the three of us would like to thank Commissioner Nancy Sikes-Kline. Without her, this collaboration would not have occurred. If you have any questions, please do not hesitate to call me at (904) 669-1873.

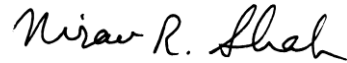
Sincerely,



John Regan, P.E.
City Manager,
City of St. Augustine



Inder Singh
CEO & Founder, Kinsa
Former Executive Vice President,
Clinton Health Access Initiative



Nirav R. Shah, MD, MPH
Senior Scholar, Stanford University
Former Commissioner, NYS Dept of
Health

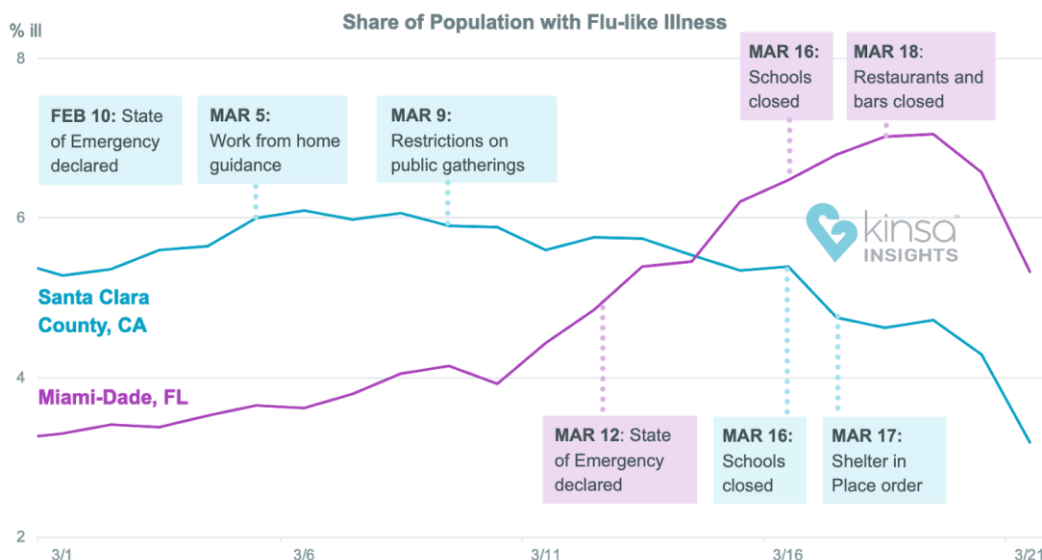
ADDITIONAL BACKGROUND

COVID-19 is spreading quickly throughout the United States. For the coming weeks we lack adequate lab-based testing capacity, personal protective equipment, and clinical staff to conduct the widespread testing seen in countries such as South Korea where the virus has been held in check. To contain the spread and efficiently target limited resources in the US, we need real-time tools that will help us predict where cases are being missed.

Data feeds from clinical locations such as emergency rooms don't help, as only a fraction of total cases show up in clinical care sites, and by then it's too late for containment. And as we've learned from China, most cases are spreading in the community because people don't know they are infected. Yet there is hope: since March 18th — as reported in the [NY Times](#) — real-time data from a network of over 1 million smart thermometers in homes has been identifying abnormal clusters of fever throughout the United States, consistent with COVID-19 in the community. Kinsa Health released this county-level data at <https://healthweather.us> to provide a tool to help stem the crisis.

HOW DOES IT WORK?

Over the past 7 years, Kinsa worked with leading scientists to create forecasting models that can accurately predict flu 20 weeks before a spike is seen in a community, using data from Kinsa's smart thermometer network. This compares to CDC models where high quality predictions extend only 3 weeks. Further, Kinsa models accurately predict flu patterns to the county level while CDC models only have granularity to the multi-state level. By taking actual, real-time levels of fever in a community from the smart thermometer network, and subtracting out the expected cases predicted by the forecasting model, Kinsa can see what's left behind — in many cases, clusters of COVID-19. Spikes in illness are represented in red in the map at the end of this memo.

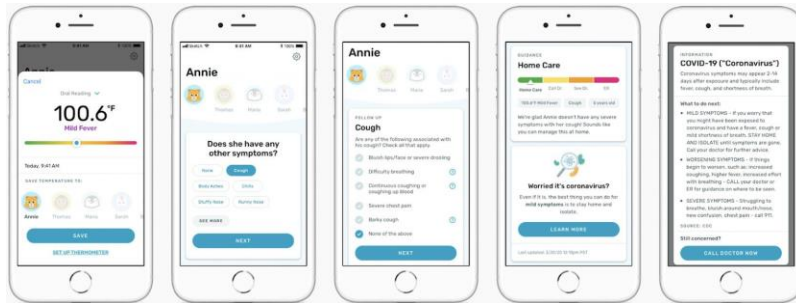


As shown in the figure above, this tracking system not only allows for hotspotting of COVID-19 in the community, but also helps evaluate the effectiveness of various public health responses in containing spread -- earlier interventions in Santa Clara correlate with a quicker "flattening of the curve."

KINSA SMART THERMOMETERS AND APP

Kinsa smart thermometers are used together with a mobile application, which can be customized to direct users to appropriate local resources (e.g. clinical testing sites) or communicate targeted public health messages specific to their geographic location.

When paired with SARS-CoV-2 testing and other public health measures, such a system is a complete solution for outbreak surveillance and response. As additional Kinsa smart thermometers are distributed in a community, the ability to achieve higher fidelity signals and faster, more targeted response also increases.

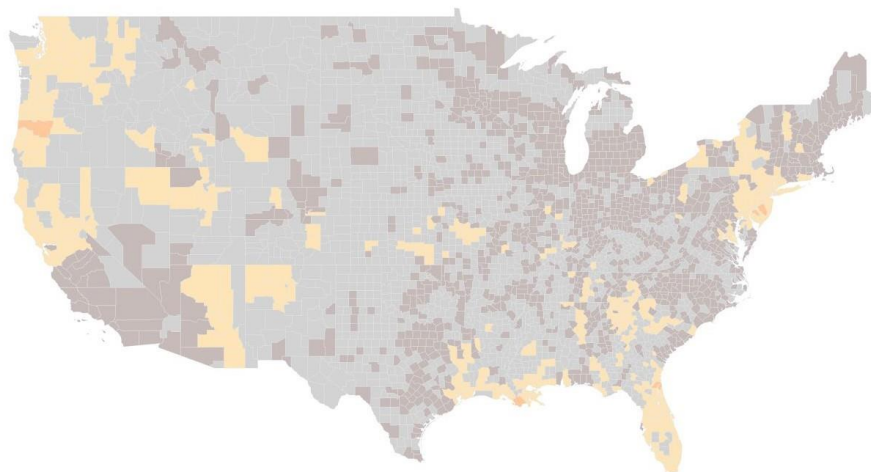


Kinsa Triage App



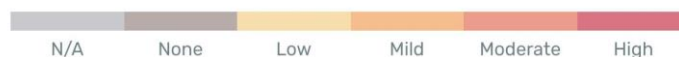
QuickCare and SmartEar

Thermometers The latest country-wide map is available at healthweather.us. The sample below is from March 8, 2020 before most testing began.



Kinsa temperature map of Smart Thermometers

Atypical Illness Levels ?



Appendix. Additional links to Background Information

Public Health Authors

Inder Singh

CEO & Founder, Kinsa Inc.,

Former Executive Vice President, Clinton Health Access Initiative

Inder Singh is the founder & CEO of Kinsa, which is using mobile technologies to create a real-time map of human health to track—and stop—the spread of communicable illness. Prior to founding Kinsa, Inder was the Executive Vice President of the Clinton Foundation's Health Access Initiative (CHAI). While at CHAI, Inder brokered deals between 70 governments and 22 pharmaceutical companies that resulted in nearly \$1.5 billion in cost savings from lower priced drugs and diagnostics for HIV/ AIDS, malaria, and TB. Inder holds five academic degrees, including three graduate degrees from Harvard and MIT.

Dr. Nirav Shah

Senior Scholar, Stanford University

Former commissioner, NY State Department of Health

Nirav R. Shah, MD, MPH, is Senior Scholar at Stanford University's School of Medicine. He is a global leader in digital health and innovation, improving care for older adults, patient safety and quality, and the strategies required to transition to high value, patient-centered care. Board-certified in Internal Medicine, Dr. Shah is a graduate of Harvard College and Yale School of Medicine, and is an elected member of the National Academy of Medicine. Dr. Shah serves as an independent director for public and private companies and foundations and helps set the nation's public health priorities as a member of the HHS Secretary's Advisory Committee (Healthy People 2030). Previously, he served as senior vice president and Chief Operating Officer for clinical operations for Kaiser Permanente in Southern California, and as Commissioner of the New York State Department of Health.

John Regan, P.E.

City Manager, City of St. Augustine

Former Senior Environmental Engineer, Gainesville Regional Utilities (GRU)

John Regan, P.E. is the City Manager and is a Professional Engineer. While at GRU, he was known for establishing monitoring networks that led to the protection of the public water supply from two contamination sites (\$.15 billion in remediation). He also managed the resolution of a water distribution system *Cryptosporidium Parvum* Outbreak. John is a graduate of the University of Florida in Environmental Engineering with a minor in Environmental Sciences. He has also been awarded the Order of Isabella the Catholic by Felipe VI, King of Spain.

Reading References

[New York Times Article Kinsa thermometers 3/18/20](#)

[Miami Herald Article 3/20/20 Florida compare to New York](#)

[The Power Of Purpose: How Kinsa Is Tackling Illness In Real ...](#)

[ABC News Article 3/26/20 St Augustine](#)

[Restrictions Are Slowing Coronavirus Infections ... - nytimes.com](#)

[Kinsa website](#)



Est. 1565

City of St. Augustine

La Lealísima y Valerosa Ciudad de San Agustín de la Florida

PROCLAMATION

WHEREAS, Healthcare Decisions Day is recognized across our nation on April 16, 2020 to raise public awareness of the need to plan ahead for health-care decisions, especially those related to end of life care and medical decision-making when patients are unable to speak for themselves, and to encourage the specific use of advance directives to communicate these important health care decisions; and

WHEREAS, many residents have not yet prepared for health-care decisions in times of crisis or at end of life, nor had important conversations with their families and their healthcare providers and documented those decisions; and

WHEREAS, one of the principal goals of Healthcare Decisions Day is to raise awareness and provide clear and consistent information to the public about advance directives, as well as to encourage medical professionals and lawyers to volunteer their time and efforts to improve public knowledge and increase the number of citizens with advance directives; and

WHEREAS, Community Hospice & Palliative Care providers and other agencies and citizens throughout St. Johns County collaboratively endorse this event and are committed to educating the public during the month of April to stress the importance of discussing health care choices and executing advance directive to make their wishes known.

NOW, THEREFORE, the City Commission of the City of St. Augustine hereby proclaims April 16, 2020 as "Healthcare Decisions Day" and encourages all citizens to have an advance care planning conversation with family, loved ones and health providers and to document their wishes.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of St. Augustine to be affixed this 13th day of April in the year of our Lord two thousand and twenty and the four hundred and fifty-fourth year of the founding of St. Augustine, the Nation's Oldest City.

Tracy W. Upchurch, Mayor