

on the side of science and solutions

VIRAL



A REQUEST FOR FUNDING

IN SUPPORT OF

21st-century updates to 4C's methods

TO INCORPORATE

BSL (BIO-SAFETY LEVEL)

TECHNOLOGY + PROCEDURES

**TO SIGNIFICANTLY REDUCE AND/OR PREVENT
NEGATIVE PHYSICAL, SOCIAL, & ECONOMIC
IMPACTS AND LOSSES RELATED TO A**

GLOBAL VIRUS OUTBREAK

IN AMERICA IN 2022

method #1:

DESIGN + FULLY-IMPLEMENT AN INNOVATIVE CIVIC
OUTBREAK COMMUNICATIONS NETWORK

BASED ON

BSL (BIO-SAFETY LEVEL)
TECHNOLOGY + PROCEDURES

START-UP COST: \$50,000 USD
(INCLUDES ALL STAFF + EQUIPMENT COSTS)
INCOME SOURCES: MEMBERSHIP & TRAINING FEES;
PRODUCT SALES; CIVIC DONATIONS

Sample shown:
 Matrix introducing shared
 “SHOVE-IT!” anti-viral and
 pro-WELL methodologies to
 Public Health officials

COMMUNICATE – CARE – CONTAIN – CONTINUE			
How to Maximize the 4C's of Outbreak Response			
SHOVE-IT!			
NOTE: Reviewed for Air-Transmitted Natural Non-Modified Biological Viruses ONLY			
	People in General	Properties & Businesses	Public Officials
Sanitation	<ul style="list-style-type: none"> - Shower or bathe regularly - Wash your hands properly with soap and water, especially before and after handling food or after using the bathroom - Cover your sneezes and coughs - Don't spit in public - Avoid spray aerosols and alcohol-based disinfectants unless you absolutely have no other choice 	<ul style="list-style-type: none"> - Check and clean items that could have mold and mildew like HVAC drip pans, carpets and walls and cabinets - Remove garbage regularly - Clean eating and food prep areas per local laws - Rinse sidewalks - Avoid placing recyclable/organic trash in the main garbage stream - Post facility cleaning procedures 	<ul style="list-style-type: none"> - Promptly remove trash in public streets, sidewalks, and roads - Promote composting to remove organic food and paper out of the main garbage stream - Enforce laws about public spitting, littering, and garbage
Hydration	<ul style="list-style-type: none"> - Drink plenty of water and water-based liquids like fruit juices, especially if the air is very dry and will make you cough - Eat foods that are high in water content 	<ul style="list-style-type: none"> - Humidify or lightly mist dry air - Provide public drinking fountains per local laws 	<ul style="list-style-type: none"> - Provide public drinking fountains in outdoor areas like parks - Enforce laws about the public water supply and storm drains
Oxygenation	<ul style="list-style-type: none"> - Check your blood oxygen levels with an oximeter - Eat foods and drink liquids that are high in oxygen, like radishes, watermelon, turnips, kale, beans, chicken, fruit juices, and water - Exercise! 	<ul style="list-style-type: none"> - Make sure HVAC fresh air intake grilles are clean, unobstructed, and not near any parking areas 	<ul style="list-style-type: none"> - Install public oximeter stations with instructions - Enforce indoor/outdoor air quality laws, including laws against smoking and vaping in public
Ventilation	<ul style="list-style-type: none"> - Try to keep extra distance between yourself and others when talking, particularly if the air is not circulating - Keep your airways clear of your breathing unobstructed - Avoid breathing excessively hot and/or dry air - If you wear a face covering, check with your doctor about possible side effects for a term or extended use 	<ul style="list-style-type: none"> - Filter or replace air filters - Open doors and windows and turn on fans to promote air movement - Check your kitchen and bathroom exhaust fans are working properly 	<ul style="list-style-type: none"> - Enforce laws against toxic aerosol sprays, fine particle dust/dirt and microplastics, air and water pollution, and over-crowding
Education	<ul style="list-style-type: none"> - Listen to your doctor and listen to it, how do you feel when you are sick or - Find out if you are in a high-risk group and take extra precautions: <ul style="list-style-type: none"> - Older or weaker immune system - problems processing oxygen in your lungs or blood - problems breathing 	<ul style="list-style-type: none"> - Use your lobbies as a great resource - Sponsor free company talks by local HHS officials - Set up Viral Science stations w/ oximeters - Sponsor a nurse-at-work day to answer questions and calm nerves 	<ul style="list-style-type: none"> - Station a nurse in each school to determine who needs to go home, to unburden staff and administration - Enforce universal accessibility and anti-discrimination laws - Avoid mass quarantine measures unless absolutely necessary; they can do more harm than good
Information	<ul style="list-style-type: none"> - Accept healthcare information from reputable sources, like a licensed doctor or nurse, or a local nonprofit public health organization 	<ul style="list-style-type: none"> - Post official free CDC and NIH signage only; avoid anything not authorized - Post facility operations and training policies, especially related to denial of entry and services for special needs or medically-challenged customers during outbreak periods 	<ul style="list-style-type: none"> - Produce free, simple, memorable, multi-lingual, and graphics-based anti-viral signs - Use celebrities and buses, taxis, and kiosks to promote a consistent public health message - Correct misinformation immediately and prosecute repeat offenders - Discourage statistics and encourage facts
Technology	<ul style="list-style-type: none"> - Consider a vaccine if you will be around high-risk people, or if you think your lungs, blood, or immune system may not be able to handle the challenge - Consider a membership in the Care+AIR anti-outbreak network 	<ul style="list-style-type: none"> - Consider hands-free features in high-virus areas like bathrooms and kitchens - Consider a membership in the Care+AIR anti-outbreak network 	<ul style="list-style-type: none"> - Rapidly deploy vaccines by ZIP code/density need - Encourage innovative uses related to natural therapies, especially those related to oxygen or viral desiccation - Consider a membership in the Care+AIR anti-outbreak network
FAQ's	<ul style="list-style-type: none"> - Engage with reputable sites that have CDC and NIH endorsement 	<ul style="list-style-type: none"> - Post contact info for questions and directions to closest walk-in resource 	<ul style="list-style-type: none"> - Promote “no question is stupid” - Provide resource to answer questions
COMMUNICATE – CARE – CONTAIN – CONTINUE			

SHOVE-IT! is a checklist to promote anti-viral and pro-WELL behavior. Its aim is to prevent and reduce instances and impacts of outbreaks whenever a newly-discovered and potentially life-threatening natural virus is announced. This helps to reduce the acute care load of our nurses and doctors, especially for those people living or visiting in an area where there are no reliable vaccines, e-health/tele-health network, or Care+AIR clinics.

method #2:

RESEARCH, DESIGN, & DEVELOP AN INNOVATIVE

“POP-UP” VIRAL CARE CLINIC

BASED ON

BSL (BIO-SAFETY LEVEL)

TECHNOLOGY + PROCEDURES

R&D COST ONLY: \$95,000 USD

(INCLUDES ONE “BRICK-AND-MORTAR” PROTOTYPE)

INCOME SOURCES: MEMBERSHIP FEES; PRODUCT SALES &
SERVICE UPGRADES; MUNICIPAL CONTRACTS

COVID-19 – REDUCE THE PRESSURE

SARS-CoV-2/COVID-19 IS A WIDESPREAD, SCALAR, RAPIDLY EXPANDING, HIGHLY ADAPTABLE, LOCAL + NATIONAL PROBLEM...

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THEORY:
Virus nodes pop up and spread like mold, 1st globally (via highly-mobile vectors like air travel), then with localized travel vectors, like daily social interactions related to food, shelter, and commerce.



Mold cultures growing in expanding nodes in a lab petri dish



Puerto Rico 400+

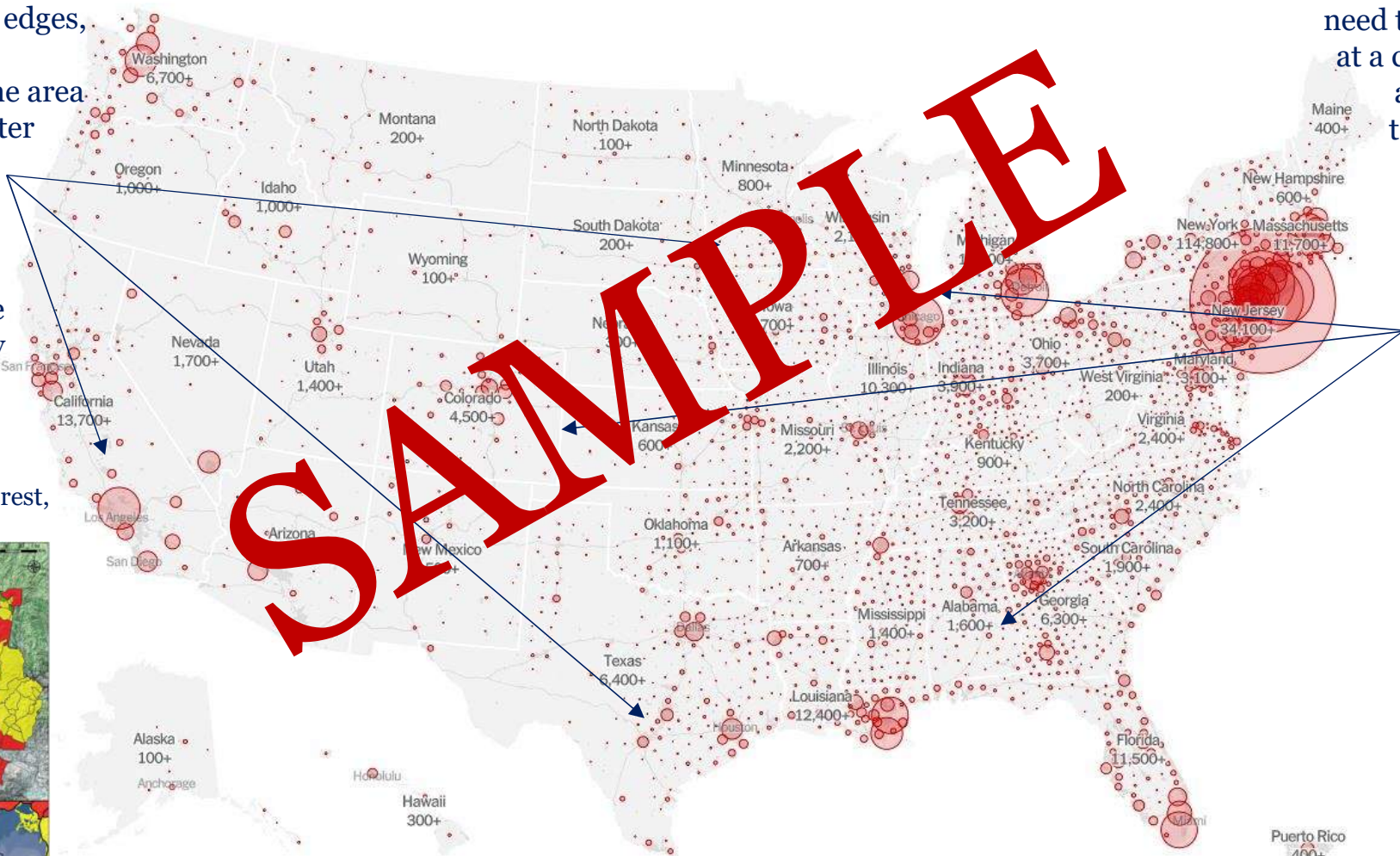
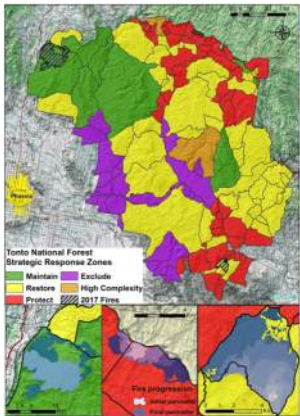
COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE

...REQUIRING A WIDESPREAD, SCALAR, RAPIDLY EXPANDING, HIGHLY ADAPTABLE, LOCAL + NATIONAL SOLUTION.

THEORY:
Virus nodes seemingly expand at their edges, and are most vulnerable in the area between the outer edges and the actual center. Medium-sized clinics are manageable and more easily repeatable.

Fire-fighting strategies in Tonto National Forest, Arizona



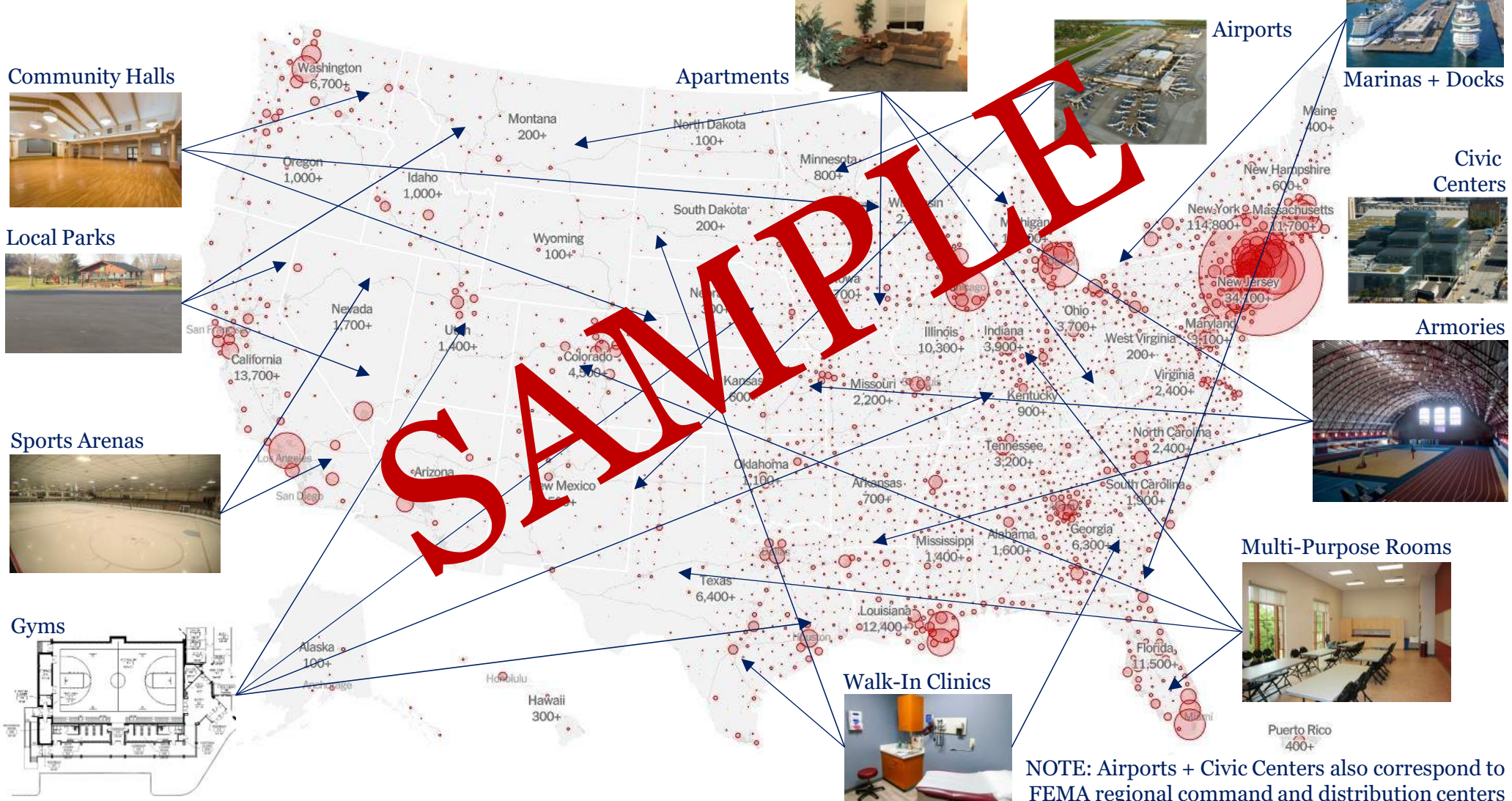
THEORY:
Not all new cases need to be treated at a clinic, but all are potential transmission points, and potentially deadly, or a source of system overload.

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COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE

MANY SPACES AND OPERATIONAL PROCESSES CAN BE QUICKLY MODIFIED (APPROX. 48-72 HOURS) USING THE PRINCIPLES OF BSL LAB DESIGN TO ADD HUGE QUANTITIES OF FLOOR AREA, BETTER PROTECT PEOPLE, ACTIVELY COUNTER PATHOGENS, + REDUCE CARE SYSTEM OVERLOAD

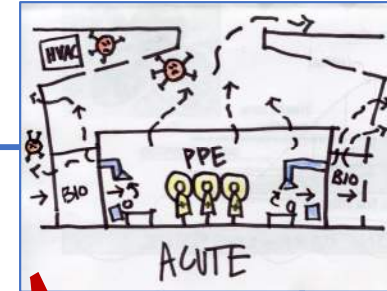


COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE



CARE



CONTAIN



COMMUNICATE



CONTINUE

SAMPLE

COMMUNICATE-CARE-CONTAIN-CONTINUE

Sample shown: Based on 2013 and 2018 ACE-MX principles, this safe and rapidly deployable (24-72 hours) American gym retrofit uses readily available labor and materials to create temporary, local, SARS-CoV2/COVID-19 overflow health centers. These centers actively address system overload, reduce PPE, better-protect caregivers and patients, reduce airborne virus content, and promote overall group wellness by a series of strategic, simple, and tried-and-true modifications to systems, operations, and patient flow. Center shown here is intended for a small-community, needing a full range of safe-rapid-lean care capacity.

2018 US County Map



2018 US FEMA Region Map

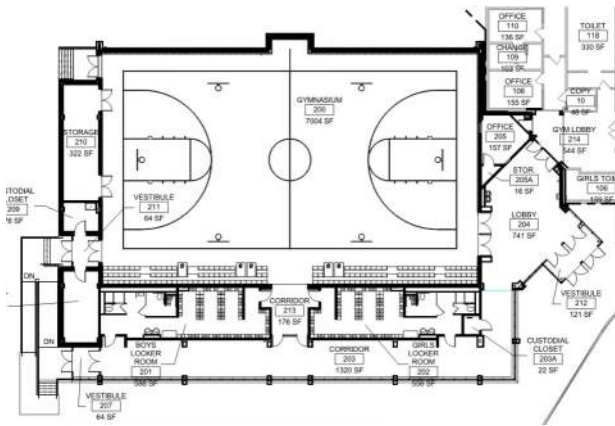


The information herein is a snapshot of the strategy to-date, based on available access to people and information as of 08 April 2020, 1st wave location: NYC

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COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE

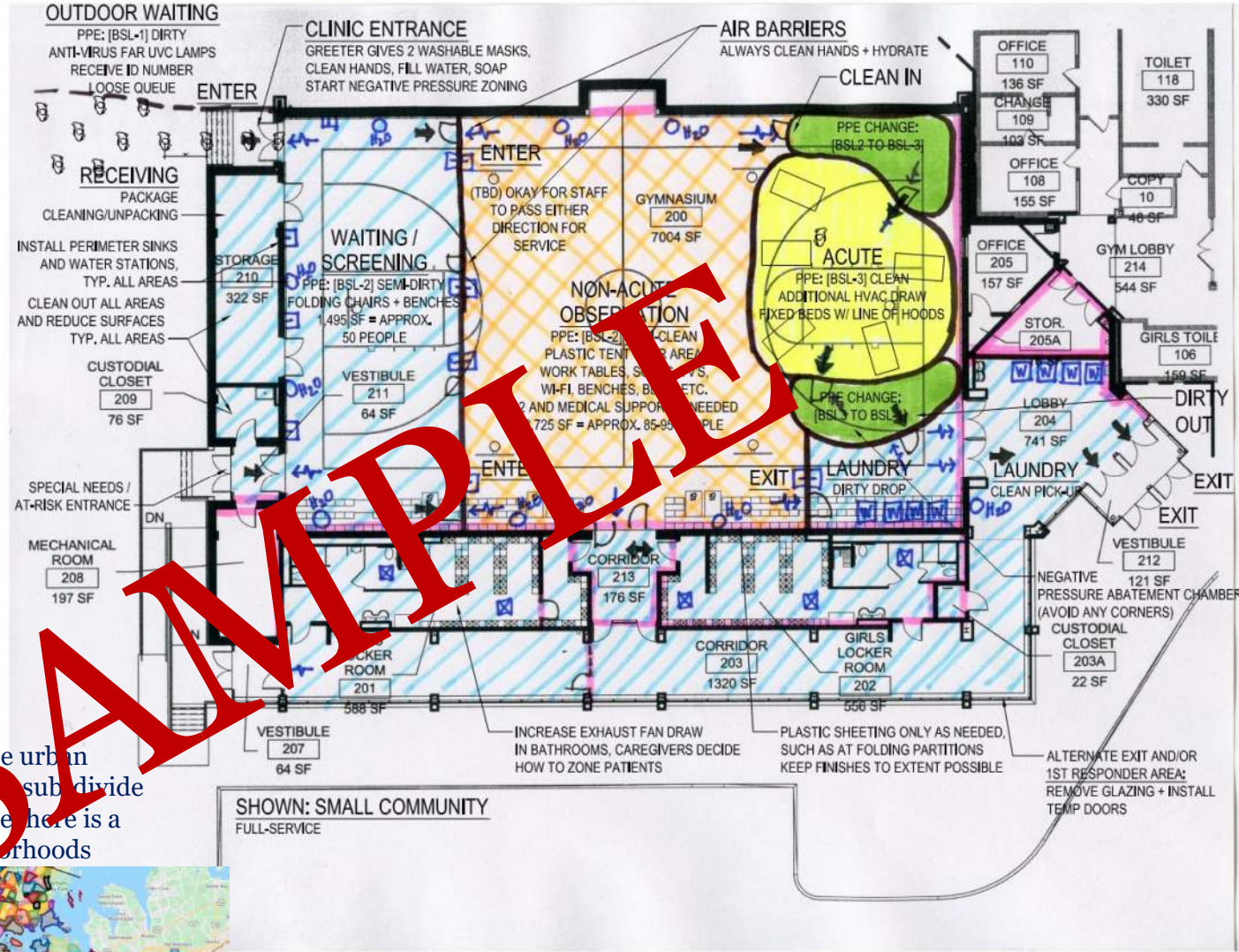


Typical community center gym floor plan
 Space requirements are calculated at 5,000 SF to serve 185 people at 28SF/person at any given time, for any type of care, in accordance with USACE-MX (Hospital) ACS Type III specifications

Partial map of NYC school gyms as potential “pop-up” locations



Very large and dense urban counties may need to subdivide further. For example here is a map of NYC neighborhoods



SHOWN: SMALL COMMUNITY FULL-SERVICE

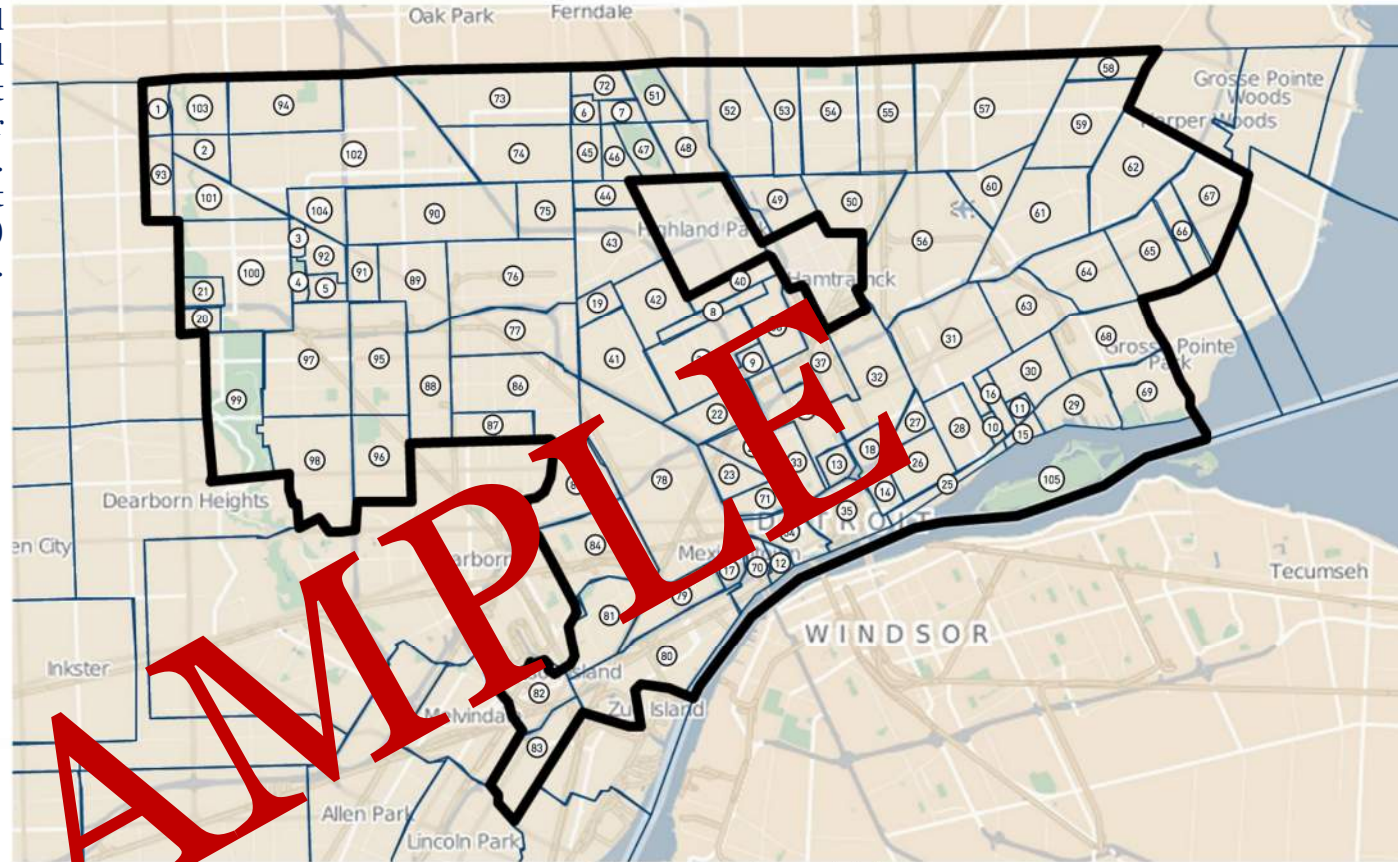
Test Care+AIR 72-hour fit-out for a small-community (showing all types of care)

It is more likely that the 100% non-acute care model will be the most frequently used type, given the preventive and containment focus of the Care+AIR program

COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE

Map of neighborhoods where recently vacated municipal/school gyms and/or medium-sized (5,000 SF) open plan restaurants w/ robust HVAC systems might be available for emergency overflow viral care and education. Note that maps herein are not official Detroit Planning and Development Department (PDD) data and may be out-of-date or inaccurate.



Detroit Neighborhood Map

Zip codes & Council Districts

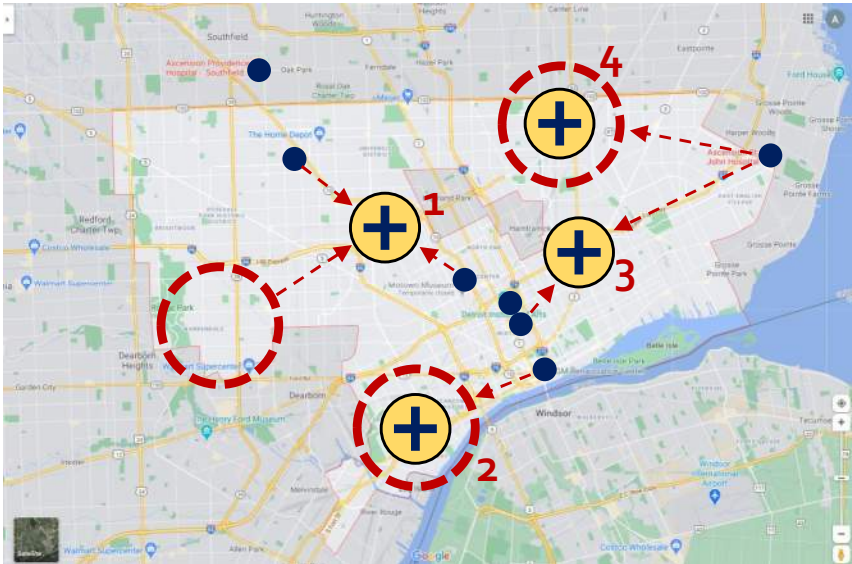


- | | | | | | |
|---------------------|---------------------|-------------------------|--------------------------|----------------------------|--------------------------|
| 1. Five Points | 19. Russell Woods | 37. Milwaukee Junction | 55. Nortown | 73. Pembroke | 91. Grandmont Rosedale |
| 2. Old Redford | 20. Castle Rouge | 38. North End | 56. City Airport | 74. Bagley | 92. Rosedale Park |
| 3. Minock Park | 21. Eliza Howell | 39. LaSalle Gardens | 57. Osborn | 75. Fitzgerald | 93. The Eye |
| 4. Westwood Park | 22. NW Goldberg | 40. Arden Park | 58. Regent Park | 76. Littlefield | 94. Seven Mile Evergreen |
| 5. Grandmont | 23. Core City | 41. Petosky-Otsego | 59. Burbank | 77. Grand Meyer | 95. Grandale |
| 6. Sherwood Forest | 24. Woodbridge | 42. Dexter-Linwood | 60. LaSalle College Park | 78. Southwest | 96. Herman Gardens |
| 7. Palmer Woods | 25. Rivertown | 43. Hope Village | 61. Ravendale | 79. Mexicantown | 97. Franklin Park |
| 8. Boston Edison | 26. Elmwood Park | 44. Martin Park | 62. Denby | 80. Delray | 98. Warrendale |
| 9. New Center | 27. McDougall Hunt | 45. University District | 63. St. Jean | 81. Springwells Village | 99. River Rouge |
| 10. West Village | 28. Islandview | 46. Detroit Golf | 64. Chandler Park | 82. Oakwood Heights | 100. Brightmoor |
| 11. English Village | 29. Marina District | 47. Palmer Park | 65. Morningside | 83. Boynton | 101. Riverdale |
| 12. Corktown Shores | 30. Foch | 48. Grixdale Farms | 66. East English Village | 84. Condon | 102. Greenfield |
| 13. Brush Park | 31. Kettering | 49. NorHam | 67. Balduck Hill | 85. Chadsey | 103. Berg-Lahser |
| 14. Lafayette Park | 32. Poletown East | 50. Davison | 68. Jefferson-Mack | 86. Barton McFarland | 104. North Rosedale Park |
| 15. Gold Coast | 33. Cass Corridor | 51. State Fair | 69. Jefferson Chalmers | 87. Aviation Subdivision | 105. Belle Isle |
| 16. Indian Village | 34. Corktown | 52. Grixdale | 70. West Side Industrial | 88. Fiskorn | |
| 17. Hubbard Farms | 35. Downtown | 53. Conant Gardens | 71. North Corktown | 89. Greenfield-Grand River | |
| 18. Eastern Market | 36. Midtown | 54. Krainz Woods | 72. Green Acres | 90. Belmont | |

Detroit's assignment of ZIP codes and Council Districts for purposes of FEMA and ARC aid and funding requests and federal, state, local, and/or UNESCO/WEF procurement reconciliations.

COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE



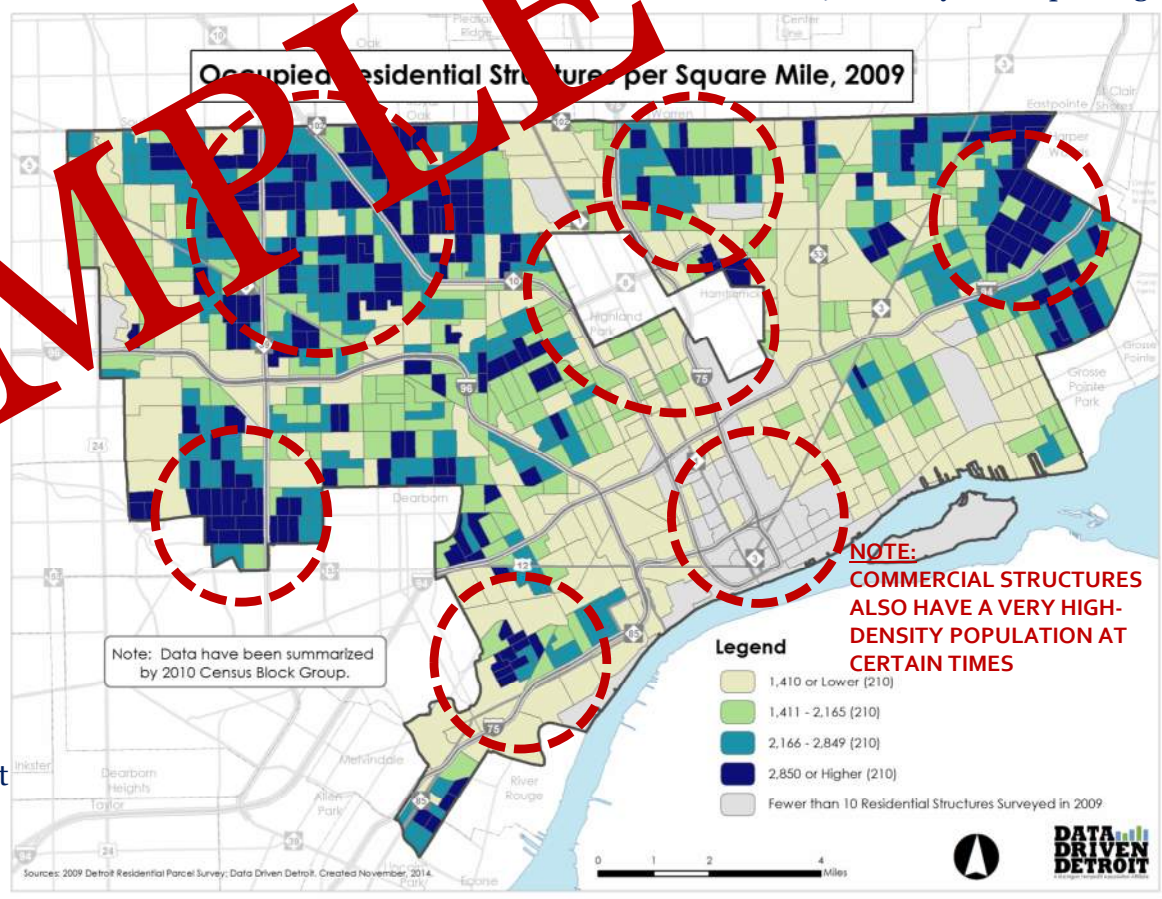
Google Maps screen capture of Detroit city boundaries showing hotspots and proposed Care+AIR overflow viral prevention, mitigation, and education centers.

- Key:
- Google hospital search
 - High-density areas w/ low care coverage (i.e. areas of greatest overload concern)
 - ⊕ Potential Care+AIR center locations

Map of potential simultaneous civilian emergency calls/walk-in “bursts” that can rapidly lead to system overload and high viral transmission rates. Note data is from 2009 and may need updating.

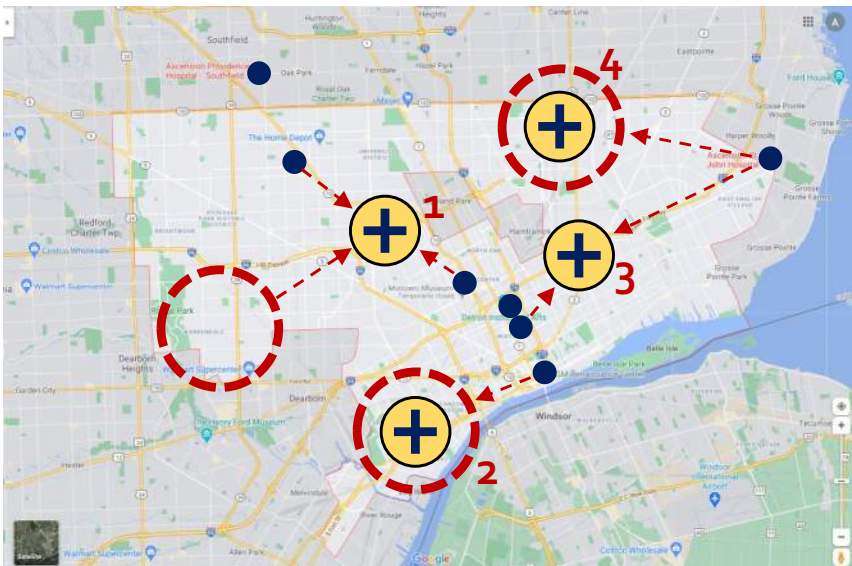


Google Maps screen capture of civilian search for hospitals. Note that there is no distinction between contaminated/infected and non-contaminated/non-infected viral care, which tends to exacerbate transmission and shut-downs.



COMMUNICATE – CARE – CONTAIN – CONTINUE

COVID-19 – REDUCE THE PRESSURE



- Key:
- Google hospital search
 - High-density areas w/ low care coverage (i.e. areas of greatest overload concern)
 - ⊕¹ Potential Care+AIR center locations

SUMMARY OF POTENTIAL CENTER LOCATIONS, IN ORDER OF PREFERENCE:

1 – Russell Woods / Oakman Blvd

PROs: covers under-served west Detroit, Highland Park and Hamtramck; supports Henry Ford and DMC Grace hospitals' overload along Route 10, I-75, and I-96 service corridors; requested by Detroit Fire Department EMTs

2 – Springwells Village / Delray / Mexicantown

PROs: covers under-served southwest Detroit; covers high-risk multi-lingual population; supports downtown hospitals' overload; covers high-risk industrial business and international visitors/workers emergency care from Windsor

3 – Eastern Market / Poletown East

PROs: covers under-served central east Detroit and Hamtramck; supports downtown hospitals' overload; covers high-risk commercial packing/shipping business and international visitors/workers emergency care from Windsor

4 – Osborn / Nortown / Krainz Woods

PROs: covers under-served north Detroit; supports St. John hospital's overload; directly linked to Wave #1

COMMUNICATE – CARE – CONTAIN – CONTINUE

method #3:

RESEARCH & DESIGN AN INNOVATIVE
LOSS-OF-FUNCTION CONTAINMENT LAB
BASED ON
BSL (BIO-SAFETY LEVEL)
TECHNOLOGY+ PROCEDURES

R&D COST ONLY: \$100,000 USD
INCOME SOURCES: CORPORATE SPONSORS;
DEFENSE CONTRACTS

#1

COVID-19 – REDUCE THE PRESSURE

Of the many **INNOVATIONS** that are presented herein, the research of *oxygen-based therapeutics* and *natural vaccines* and their rapid distribution network is the most critical request, for their widescale *life-saving and life-improving* potential.



RESEARCH GRANT OPPORTUNITY 2020.008
Issued for Release: 13 November 2020
Application Deadline: 30 November 2020
Grant Value: \$10,000 USD (minimum starting)

Grant Justification:
The focus of this grant is to: 1) update historic documentation related to regulating oxygen exposure in viruses for possible arresting of replication and disease progression; and 2) replicate and build upon historic virus experiments ref. Jenner, Pasteur, Salk, et al. utilizing SARS-CoV-2 as the viral pathogen of study; and 3) identify forward-thinking possibilities for oxygen-based therapies to support natural functions of human immune system.

Grant Overview:
In honor of the millions of Americans who have been affected by SARS-CoV-2, The Peggy Kostelac and Bernie Goulet Care+AIR Foundation is offering a minimum \$10,000 USD grant to any credentialed biologist, virologist, chemist, or other professional scientific researcher for the following critical work:

- 1) Produce a basic written and graphic physiological and chemical review of SARS-CoV-2, inclusive of natural and man-made elemental compositions; AND
- 2) Perform tests on SARS-CoV-2 virus to determine the effects of oxygen exposure on either in vitro or in vivo. Inhibit or promote successful virus replication and in-host tenability in COVID-19 disease (e.g., in blood, saliva, etc.), and ALSO in infected cells and/or tissues (i.e. progression into COVID-19 disease).

++++ Documentation must meet ICMJE and COPE guidelines and standards. Overview and test data must include still digital photographs and/or digital video, inclusive of date and time.

++++ Baseline starting point for research to be PMC7165108 "Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): An overview of viral structure and host response", authored by Astuti I. and Ysrafil on 13 April 2020, or other similar baseline document, to be clearly stated at time of application.

++++ References to third-party scientific publications in lieu of original research is acceptable, but typically not preferred. Reproduction of others' research results for purposes of comparison with one's own research is encouraged.

++++ Grant will be awarded regardless of research outcome or ability to replicate or reproduce research results.

++++ Researcher will be required to submit annual reports and in virus education exhibits, videos, and literature. Researcher will be required to submit annual reports and in virus education exhibits, videos, and literature. Researcher will be required to submit annual reports and in virus education exhibits, videos, and literature.

Inquiries, applications, and proposals should be sent to:
Anne R. Goulet
Executive Director, Care+AIR Foundation
@careplusair.org

page 1 of 2

The Peggy Kostelac and Bernie Goulet
Care+AIR Foundation

Applicant must complete this form for consideration.
Application Number: Care+AIR 2020.008

Amount of Grant Request (in USD):
Applicant Name:
Email(s):
Telephone (include area code):
Location for Applying / Interest Topic:
Grant Recipient (e.g. self, business, university, department, technical school, nonprofit research, etc.):
Signature acknowledging adherence to CARE and COPE guidelines and standards:
Please attach written proposal to this form.
Proposals must be submitted in English and include the following minimum information:
1. Overview / Abstract
2. Research Significance
3. Research Approach
4. Suggested Next Steps / Additional Research
5. Declaration of Access to Testing Resources
6. Declaration of Funding Sources
7. Confirmation of Rigor and Reproducibility of Results (ref. NIH Research Chart S08)
a. Rigor of Prior Research
b. Scientific Rigor
c. Biological Variables
d. Authentication
8. Applicant Credentials
9. Applicant Work Sample

14 November 2020

page 2 of 2

SAMPLE

Our head virologist needs access to resources & an ability to pursue Care+AIR grant 2020.08 in a BSL facility.

COMMUNICATE – CARE – CONTAIN – CONTINUE

method #4:

DOUBLE-DOWN ON COMPLIANCE WITH

PUBLIC HEALTH LAWS

BASED ON

BSL (BIO-SAFETY LEVEL)

TECHNOLOGY+ PROCEDURES

R&D COST: \$5,000 USD

INCOME SOURCES: PROPERTY USE VIOLATIONS,
OCCUPANCY/ASSEMBLY REMOVAL FINES

*Who and what is
Care+AIR Health, Inc.?*



ABOUT: Care+AIR Health, Inc. provides nurse-based preventive, remote, and non-acute airborne virus care for high-risk and under-served US communities in a unique “BSL” (Bio Safety Level) setting. We balance health, safety, and well-being with reasonable cost and access. Our advocacy team is culturally diverse and mixes professionals and experts with laypersons, for maximum risk-management.

Care+AIR's nonprofit mission is based on “first, do no harm” advocacy objectives and decades of professional experience designing civic projects and creating public-private and government partnerships related to Disaster Principles, Pathogen Containment, WELLness, Security, Marketing, Communications, and Public Relations, to name a few key aspects.

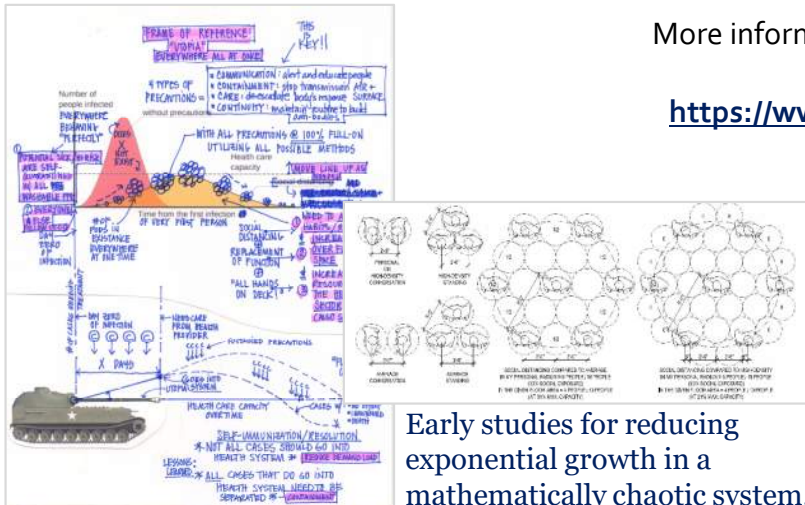
Care+AIR’s unique products and services have been informed by input from The American Red Cross, The US Army Corps of Engineers, The US Navy, The US Air Force, FEMA, The Mount Sinai Health System, Delos WELL, and other end-users, immunologists, scientists, sociologists, bio-ethicists, and logistics consultants from the private, public, non-profit, and government sectors.

Care+AIR Health, Inc. is operated by Ms. Anne R. Goulet, a retired Owner’s Representative, Project Strategist, Design Director, and US Licensed Architect educated at The University of Virginia and Yale University. From 2000-2004, she was the Lead Technical Analyst/Specifier and a co-author of the Outbreak Containment Action Plan for the NYC DOHMH BSL3 Airborne Pathogen Research Lab, which focused on drug-resistant TB bacteria, weaponized anthrax, and bio-hazard crossover avoidance. She was raised in Aberdeen, MD, where both of her parents were DOD mathematicians and ballistics analysts. Her mother was also a nurse.

More information about Anne R. Goulet can be found at:

www.ARGitct.com

<https://www.linkedin.com/in/anne-goulet-53b1812/>



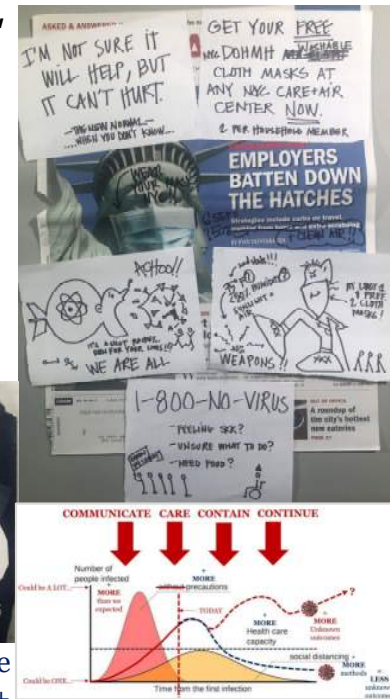
FOR INQUIRIES:

info@carePLUSair.org

Early studies for reducing exponential growth in a mathematically chaotic system.



Early studies for effective nationwide communications + proactive planning strategies.



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on the side of science and solutions

VIRAL

