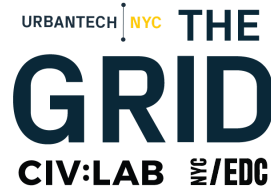




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NEW YORK CITY COUNCIL MEMBER  
DISTRICT 38



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## Community Medical Response Effort: RED HOOK

### PROBLEMS

- New Yorkers, especially communities of color, the underinsured, and lacking a primary care doctor, are sick or dying in their homes without support
- The cause is both COVID-19 itself, and decompensation of chronic medical conditions in a racially and economically segregated, massively destabilized, healthcare system in the pandemic
- *We lack the awareness and data to prevent illnesses from escalating in the community setting, which ultimately result in fatalities, and an avoidable burden on the healthcare system*

### SOLUTIONS

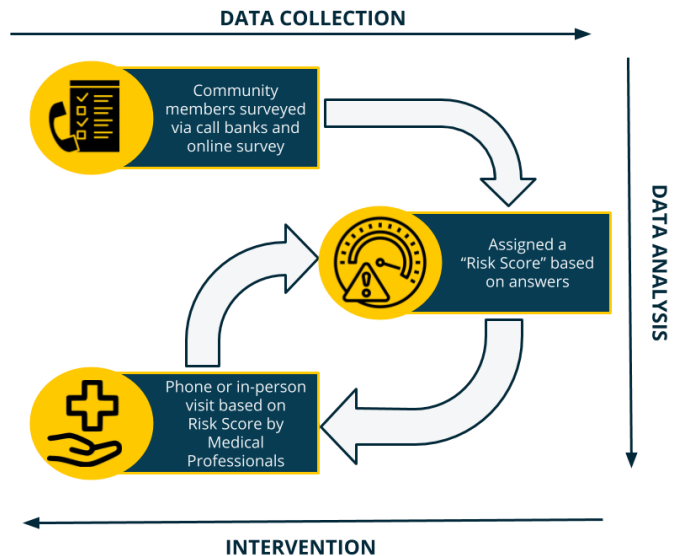
- An ecosystem of partners that collect community-level data by leveraging neighborhood organizations
- Analyze that data for health-driven risk-stratification to identify medically fragile individuals
- Link to pre-existing medical and social work resources, efficiently utilize the healthcare system, anticipate and prevent conditions from escalating

### IMPLEMENTATION

- Phone bank calling to survey the internet-underserved, such as seniors, who account for a large proportion of the at-risk group
- In parallel, the survey is available online for the tech-enabled
- The information is communicated in 5+ languages, and analyzed via a risk score algorithm
- High-risk individuals are recommended to *local* medical, mental health, and social work follow up appropriate for their circumstances.

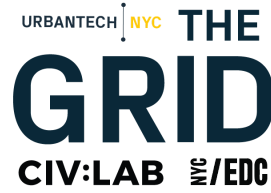
### IMPACT

- Conveys locally available resources to high-risk individuals to facilitate an action-oriented response
- Insights include: case tracking, efficient resource allocation, medical system support
- Geotagging of potential COVID-19 cases and the medically at-risk population, helps understand the spread/localization/burden of the virus, informs the medical system about emerging demands
- Builds a foundation for acute and long-term management of both anticipated and unforeseen consequences of the COVID-19 pandemic
- Opportunity to coordinate with other government and medical efforts to amplify their impact





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### Deliverables

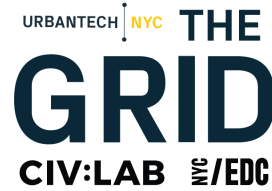
- **This initiative created a community-based screening tool to identify the medically fragile during the Covid-19 pandemic in Red Hook, Brooklyn - a community with experience organizing such efforts.** The target groups are seniors and those with chronic-medical conditions, especially those who are digitally underserved, underinsured, reliant on the availability of medical resources, and/or lack access to a primary care doctor. These individuals are the most susceptible to COVID-19. The tool helps identify people with COVID-19-specific symptoms, or who are generally in a state of medical compromise right now.
- The analysis is being led by a team of physician-scientist students and Cornell Tech, who have created **an algorithm and platform to risk-stratify the screening data.**
- **Follow up for at-risk individuals** is being directed to locally available resources that remove language- and insurance-associated barriers to access medical, mental health, and social work support.

### Pilot data





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## Working group contributions

- **Survey design**  
Catherine McBride, [Red Hook Initiative](#)  
[Dr. Matthew Kraushar](#), [Dr. Tom Pisano](#), Monica Castle
- **Phone bank operation and survey administration**  
[Red Hook Initiative](#)  
Carlos Jesus Calzadilla, [Office of Council Member Carlos Menchaca](#)  
[Dr. Margaret MacGibeny](#)
- **Survey implementation, data analysis, risk-stratification algorithm**  
[Dr. Tom Pisano](#), [Dr. Matthew Kraushar](#)  
Dr. Arnaud Sahuguet, [Cornell Tech](#)  
Simon Sylvester-Chaudhuri, [CIV:LAB](#)
- **Medical follow up coordination**  
Monica Castle, [Anoushka Dua](#), [Dr. Matthew Kraushar](#)
- **Social Work follow up**  
Javier Lopez, CSO, [Red Hook Initiative](#)
- **Translation**  
Multiple professors and students from the [Columbia Language Resource Center](#)  
Monica Castle