

COVID Management

Preparing for Future Waves

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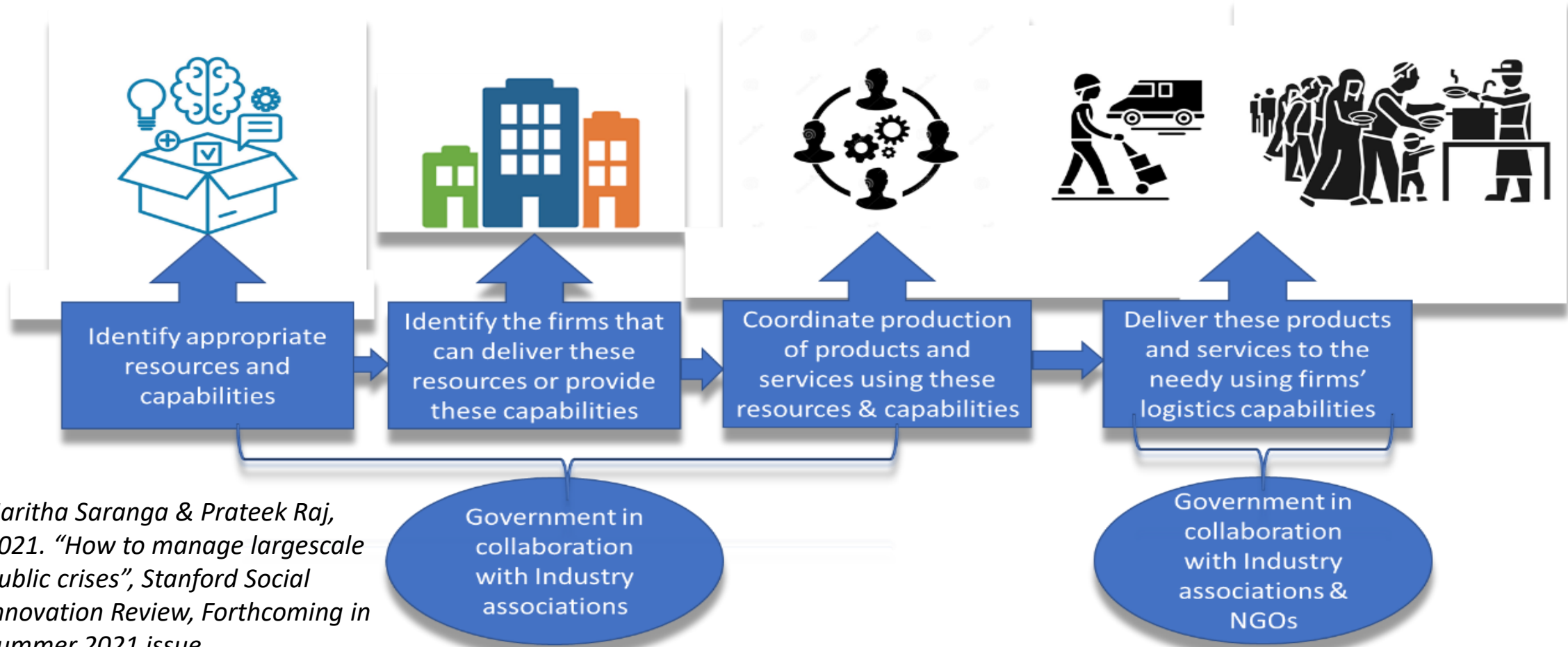
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*We have collected information available through public sources with the hope of supporting those providing solutions.
Views expressed represent the personal opinions of the authors and not necessarily that of the institute*

Preparing for Future Waves

- Key features of an effective response strategy
 - Leverage and increase local resources (reduces logistics challenges)
 - Invest in mobile resources (shifting needs in various geographies)
 - Create online resources to improve accessibility
 - Explore opportunities to use resources in different ways
- While problems might be overwhelming at the community level, as a nation, we have the ability to solve the problem
- Private enterprises and NGOs possess various resources and capabilities that can be used to complement governments' efforts

Collaboration Between Government, Corporates and NGOs



Haritha Saranga & Prateek Raj,
2021. "How to manage large scale
public crises", *Stanford Social
Innovation Review*, Forthcoming in
Summer 2021 issue

Preparing for Future Waves: Medical Supplies and Equipment

- Medical Supplies

- Essential medicines
- Medical oxygen
- Blood, plasma

- Identify needs using focus groups, experts
- Predict requirements (scenarios – 2x, 5x, 10x)
- Collaborate with private firms to map available supplies, capabilities
- Develop execution plans (scenarios 2x, 5x, 10x)

- Medical Equipment

- Beds, wheelchairs, stretchers, trolleys, ambulances, mobile testing labs
- Oxygen concentrators, Ventilators, Portable X-Ray, ECG, Echo, Pathology labs
- Essential supplies (PPE, masks, sanitizers, cannulas, first aid)

Preparing for Future Waves: Infrastructure and Medical Staff

- Infrastructure
 - Space for CCCs (hotels, auditoriums/convention centres)
 - Power and backup power supply
 - Access to Internet
 - Transport
- - Coordinate with private firms to increase capacity
 - Make use of NGOs to create volunteer groups
 - Train the volunteers to manage the CCCs
- Medical staff (doctors, nurses, technicians, admin)
 - National pool of staff (borrow from other states)
 - Leverage telemedicine
 - Utilise senior medical/ Ayush/dental/pharmacy students
 - Provide online training for administering oxygen, first aid etc. (YouTube, TV)

Preparing for Future Waves: Food, Finance and Sanitation

- Food and water (patients, doctors, nurses, other staff)
 - At hospitals, CCCs, home quarantine, senior citizens, minor children
 - Finance and insurance support (patients, NGOs and volunteers)
 - Short term loans, insurance claim support
 - Waste collection and disposal and sanitation (equipment and staff)
 - At hospitals and CCCs
- Collaborate with national and local NGOs that have wider footprint and are willing to help
 - NGOs such as Akshayapatra have huge kitchens that can be made use of to provide cooked food
 - NGOs such as Saahas have waste management know-how and necessary facilities that can be scaled up quickly to manage medical waste

Preparing for Future Waves: Triaging and Information

- Triage and diagnosis at ward level
 - Protocols prescribed by government
 - Execution at ward level by local entities
 - Information portals and call centres
 - Well defined SOPs, protocols established by government
 - Communication strategy: situation updates and call for help by government
 - Mechanisms to validate information, limit confusion
 - Developing dashboard of metrics
 - Establish tracking/rerouting mechanisms for delivery of oxygen and other medical essentials
- Collaborate with hospitals and medical experts to create standard protocols for COVID management
 - Make use of the call centre capacities of aggregators (Ola, Uber, Amazon, Flipkart etc.)

Preparing for Future Waves: Legal Issues and Vaccination

- Legal and Law enforcement
 - Ensuring COVID Protocols
 - Preventing hoarding and exploitation
 - Grievance and redressal mechanisms
 - Aggressive vaccination plan
 - Improve supply of vaccines
 - Accelerated and door-to-door vaccination – push strategy
 - Vaccination of parents with young children
 - Testing of vaccination on children
- Enlist additional pharma companies to increase production/distribution capacity of vaccines
 - Work with FMCG companies to increase the cold chain capacity
 - Make use of CSR funds and other donations to facilitate free vaccination as much as possible