Moving the Senior Care Industry to "Anti-Fragile"

The coronavirus pandemic that has swept through senior care communities has exposed long-term issues in these communities that must be addressed to keep residents safe and rebuild trust. It has also highlighted that in its current state, our industry is fragile. In order to survive and thrive after the COVID-19 storm, Senior Care communities must look for ways to enhance outcomes and move from fragile to anti-fragile, a goal that can be accomplished using a distributed architecture.

Leveraging Distributed Architectures

History teaches us that moving from centralized to decentralized architectures produces better outcomes and improves resilience.

Just a few of these lessons on the power of leveraging distributed architectures include:

- When human governments moved from central control to distributed control (from monarchy to democracy), we empowered citizens to be free agents and take more responsibility. The result was an improved quality of life and a prosperous society.

- When computer architectures moved away from central control (as in mainframes) to distributed control (as in public clouds), increased processing power was leveraged. The result was that computing power multiplied many times and automation prospered.

- When planning architectures moved from central planning (as in the USSR) to decentralized planning (as in a market economy), we empowered free enterprise and independent decision making and dramatically improved economic output.

- When terrorism architectures moved away from central control (Al-Qaeda and its leader UBL) to distributed control (as in ISIS local terrorism cells),

they became harder to track and more lethal. While the outcome for the civilized world was undesirable, but the evil trade of terrorizing people prospered.

But, how does this apply to senior care communities?

Empowerment and Resilience

For senior care, if we move from a centralized infection management architecture with hospitals doing the work based on CDC guidance to a distributed infection control architecture (like the InfeXBloc™ architecture):

- We will increase facility empowerment.

- An empowered facility will take more responsibility resulting in better outcomes for seniors.

- Families of our residents will experience lower stress due to real time visibility into the InfeXCON™ status of Mom's care home.

- Regulators will gain an improved handle on the occurrence and propagation risk of infection.

- We will increase the resilience of a community's overall healthcare infrastructure, in the face of future outbreaks (from Figure 1 to Figure 2). Keep in mind that experts say we are not done with Coronavirus yet and that even if a vaccine was developed tomorrow, another virus in the future is far more than just a possibility, and more likely a certainty!
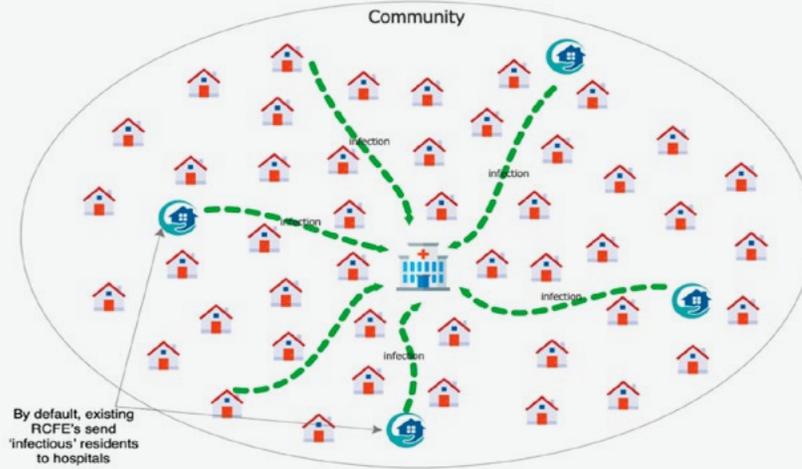
Figure 1: *Existing Assisted Living homes shift the infectious patients to hospitals right away*
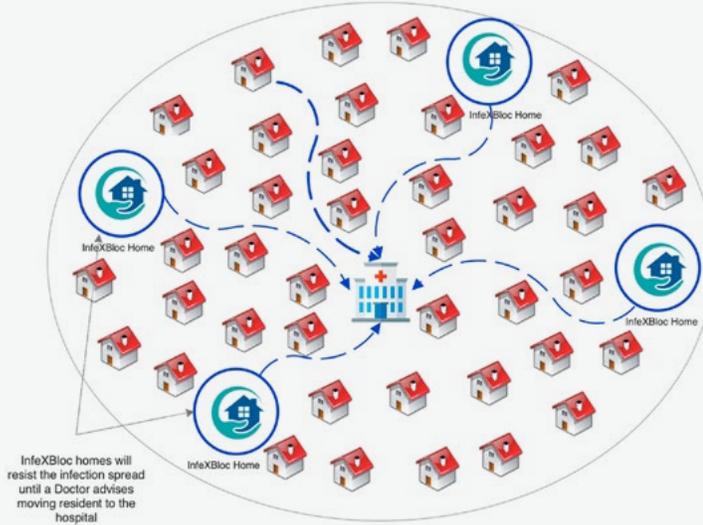

Figure 2: *InfeXBloc™ homes will resist the infection spread*

From Fragile to Anti-Fragile

Embracing this decentralized architecture also takes us from fragile towards anti-fragile – an insightful concept Nassim Taleb presented in his ground-breaking book 'Antifragile'[1]. His hypothesis states that architectures span a spectrum of Fragile > Resilient > Robust > Antifragile (Figure 3).

The InfeXBloc™ architecture is a move towards antifragile. It aims to gain from the disorder unleashed by COVID-19.

When adopted, not only will it help Senior Care facilities resist further tsunamis that can overwhelm our community hospitals, but also improve the care these facilities can offer to their senior residents.

Fragile ❯ At risk of total failure / financial ruin

Resilient ❯ Takes damage, avoids total failure, recovers

Robust ❯ Absorbs uncertainty, repels blows, avoids damage

Antifragile ❯ Responds to stress by mutating, maintains fitness for purpose. Purpose and identity can change entirely

Figure 3: *Nassim Taleb's Fragility Spectrum*

To learn more about how the InfeXBloc™ architecture can help your Senior Care facility regain trust after the COVID-19 storm, check out www.infexbloc.com.

1. Antifragile- by Naseem Taleb   https://www.amazon.com/Antifragile-Things-Disorder-ANTIFRAGILE-Paperback/dp/B00QORW08I/ref=sr_1_4?dchild=1&keywords=antifragile&qid=1592399231&sr=8-4

INFEXBLOC™ PILOT SITE

Golden Springs Ranch

About Ashish Warudkar

Ashish has worked in the software industry for 30+ years including 19+ years in the healthcare sector. He also has been an entrepreneur for over two decades and provides consultation to "Golden Springs Ranch" which is an upcoming InfeXBloc™ home in Palmdale, California which will introduce the innovations discussed in this paper to provide its precious residents with a safe happy home and their families with peace of mind.

Ashish Warudkar is trained at:

IIT Bombay	Mechanical Engineering
UCI	Predictive Analytics (7/8)
Harvard	Disruptive Innovation Strategy with Clayton Christensen
MIT	Advanced Certificate for Executives in Management, Innovation & Technology
	Architecture & Systems Engineering of Complex Systems
	Platform Strategy – Building & Thriving A Vibrant Ecosystem
	Business Dynamics – Diagnosing and Solving Complex Business Problems
	Executive Certificate in Strategy and Innovation
Product School	Product Management
BWW	Network Marketing
Oren Klaff	Pitch Mastery

Web:	www.InfeXBloc.com
Email:	ashish@InfeXBloc.com; ashish.warudkar@sloan.mit.edu
Twitter:	@infeXBloc
Facebook:	InfeXBloc
Instagram:	InfeXBloc
Meetup:	Monthly meeting (first Sunday 6pm CA time) of Senior Care Accountability Network https://www.meetup.com/Senior-Care-Accountability-Network-SCAN/