Benefits of Deploying the InfeXBloc™ Architecture

Deploying the InfeXBloc™ architecture answers the question how Senior Care facilities can respond in order to protect their residents, regain the trust of families, the community, and the society as a whole, and continue to operate in a post-pandemic world.

Benefits of deploying the InfeXBloc™ architecture include:

For Residents and Families

- Residents and families will feel safer after the Coronavirus pandemic with InfeXBloc™ in place (refer to the paper "Senior Care - Why is InfeXBloc™ safer?").

- Residents and families will have real-time visibility into the InfeXCON™ status of the facility caring for their loved ones and instantly be alerted to the fact that enhanced safety protocols have been initiated. After the facility downgrades its InfeXCON™ status, the collective stress relief felt will be priceless.

For Single Facility Operators

- Single facility operators can provide safer environments for residents (refer to the previous section "Why is InfeXBloc™ safer?").

- Single facility operators will have higher personal satisfaction that they have done the best for their residents.

- Single facility operators that are not InfeXBloc™ and have a resident who contracts an infectious disease are currently obliged to transfer the infected resident to a hospital. If there is an InfeXBloc™ facility with an isolation room nearby, the facility could consider transferring the resident to that facility (based on a mutual contractual agreement). This has several advantages rather than relying on a hospital if all the resident needs is quarantine and does not require critical care:

  - Other residents are protected.

  - The 'infectious' resident is ensured to get the quarantine care he deserves.

  - The infectious resident is protected from the additional exposure and higher risks involved in hospitalization.

  - The Medicare/Medicaid cost of care at an InfeXBloc™ facility can be lower than a hospital stay.

  - Hospital overcrowding from non-threatening situations is prevented.

  - At the end of the quarantine period, the resident can be transferred back to the original Senior Care home.

For Multi-Facility Operators

- Multi-facility operators can provide safer environments for residents (refer to the previous section "Why is InfeXBloc™ safer?").

- Multi-facility operators can make informed decisions about deploying shared resources across owned facilities (e.g., Should their caregiver who works fulltime in 'Facility A' work overtime in 'Facility B' if Facility B is operating at InfeXCON™ level 'Yellow'/'Red'?).

- Multi-facility operators have personal satisfaction that they have done the best for their residents to ensure their health and safety.

For DSS & Public Health Authorities

When InfeXBloc™ architecture is adopted at scale, DSS gains the ability to know in real-time whether a significant number of facilities in a geographical area are turning from 'Green' to 'Yellow' or 'Red', indicating an infection trend. This real-time visibility can:

- Allow DSS to share alerts across the geographical area.

- Share expert recommendations to facilities in that area.

- Mobilize resources, as necessary

- The senior care ecosystem will have higher capacity to deal with the consequences of another epidemic without it causing uncontrolled harm

This real-time dashboard will allow DSS to deal with a fast or silently spreading infection, without delay in order to thwart an impending crisis, in essence, functioning like an early warning system (e.g., Tsunami warning system).

- The hospital infrastructure will be better protected from any future surges of demand due to infection spread (see Figure 5 and 6).

- Governments will gain the satisfaction of having provided superior care for the hundreds of thousands of senior citizens under their care and oversight.

For Caregivers and Healthcare Professionals

- A caregiver's career path is enriched when he/she has on-the-job education and experience in serving in InfeXBloc™ facilities.

- Everyone in direct caregiving (Caregivers, Med-techs, Nurses, Doctors, etc.) will have a sense of fulfillment when able to meaningfully serve a resident(s) who may be experiencing infections with a lower risk of contracting the disease themselves. This can contribute to lowering and ultimately eliminating any stigma associated with the infection.

For Entrepreneurs, Facility Owners, Operators, Investors and Business Planners

The adoption of InfeXBloc™ architecture can be expected to deliver:

- A demonstrably safer facility for senior residents and their families with a quantifiable proof point for the assertion

- A sound defense in the event of arising legal liability

- A certifiable audit that creates a strong viable evidentiary trail

- A simulation proof point to justify the investment

- A real time visibility of the InfeXCON™

- A balanced scorecard (InfeXBloc Scorecard™) to achieve quarterly ratings to brag on

- A codified measurement mechanism to assess the value of a business

- Get a forum to daily contribute with the pilot program updates. Being the first of its kind, we know that this will become a highly observed forum

- Become contributors to the establishment of the InfeXBloc SCAN™ (Senior Care Accountability Network)

If we contrast the impact of InfeXBloc™ on the business model before and after InfeXBloc™ adoption (Figure 27), it is clear that the fundamental business model stays the same, but:

- A new and important value proposition for residents and their families is added.

- New information channels are added.

- New key activities, key resources and cost structures are added.

- New revenue opportunities are included. The 'InfeXCON™ surcharge' could be an additional fee assessed for residents which will be related to the duration in a month that the facility's InfeXCON™ status was elevated to Yellow or Red.

Overall the value delivered to all the customer segments is superior to the current model.
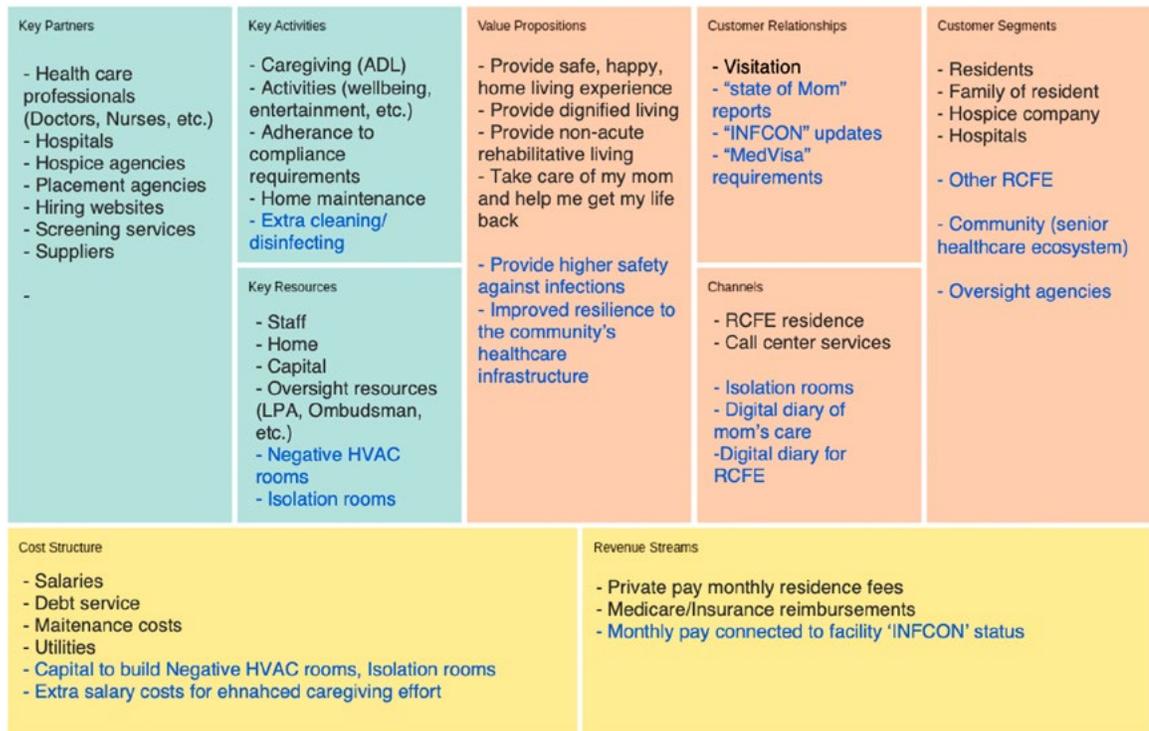
Figure 1 : *Comparing business model canvas25 before and after InfeXBloc™ implementation*

In Figure 1, black letters represent business model elements of the existing architecture - Senior Care homes while blue letters represent new elements of the InfeXBloc™ architecture home.

** Business Model Canvas is a strategic management and lean startup template that was initially proposed by Alexander Osterwalder in 2008.

For Insurance Companies

The InfeXBloc Scorecard™ will provide insurers with codified, quantifiable measures to define their underwriting criteria and objectively correlate insurance premiums. Such codification can then be extended to track the number of infections originating at the facility. This can be used as an ongoing measure to assess performance.

Challenges

Of course, as with any real change in an industry's practices, there will be challenges in the implementation of InfeXBloc™, including:

• Facility owners and entrepreneurs may resist the adoption because they would rather not have to deal with it. While this reluctance is understandable, in the face of possible or even likely long-term trust issues, it is worth reconsidering.

• Residents and their families will also have to accept the improvements.

• Building facilities with this infrastructure will require more capital investment.

• Human resources will require initial as well as ongoing training. Caregivers will need to adapt to the improved protocols.

- When facilities have more automated equipment, it automatically translates to more maintenance requirements.

- Regulators may need to consider the new paradigm – in California, it may even require a different designation than 6-bed Senior Care homes.

To learn more about InfeXBloc™ and how your facility can leverage the architecture to move forward, enhance safety, and rebuild trust in a post-pandemic world, check out www.infexbloc.com.

INFE**X**BLOC™

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

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Meetup: Monthly meeting (first Sunday 6pm CA time) of Senior Care Accountability Network
https://www.meetup.com/Senior-Care-Accountability-Network-SCAN/