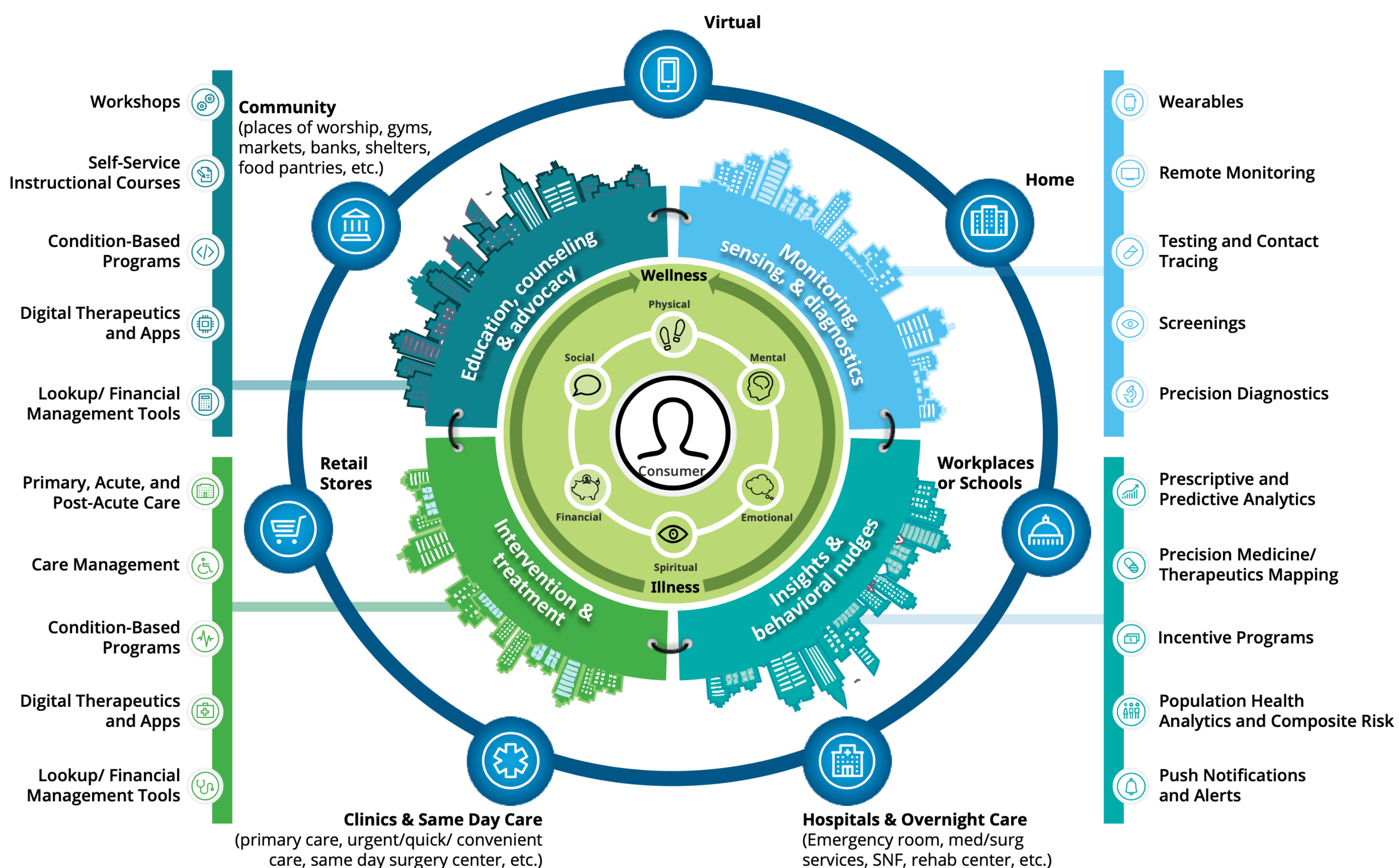


## 1. Global Digital Healthcare and Management Trends

The COVID-19 pandemic permanently changed global healthcare, from accelerating the adoption of new technology and care delivery models to increasing the focus on sustainability and resilience. At the same time, it accentuated existing workforce challenges and the global disparities of health equity. The lasting impact of COVID-19 presents an opportunity for the health sector to reinvent itself and capitalize on emerging trends. By embracing technology, exploring new Healthcare and management delivery models, and addressing inequities, healthcare professionals can transform care delivery, improve the patient experience, and boost resilience in the sector depicted in Figure 1\*.

iDataMap has taken an initiative with its 'Top of the Technology Stack' to meet the critical technology segment to lead this transformation, where health professionals are asking themselves the following questions:

- How can we further integrate virtual health delivery into our healthcare and management systems to improve ready-access and treatment?
- What technologies can we leverage to reduce costs and the demands on health workers while enhancing patient care?
- What steps can we take to reduce our carbon footprint and mitigate environmental threats to public health?
- How can we reshape job requirements and provide better support to our healthcare workforce, including mental health services?
- What measures can we put in place to better prepare our facilities, supply chains, and partnerships for future public health events, pandemics, or natural disasters?



\*Source: Deloitte Hospitals in the future 'without' walls

Figure1.Future health delivery models formulated to address consumers' unique needs and preferences

## 2. iDataMap Innovative approach to Global Healthcare Needs

iDataMap Corporation Pty Ltd (ABN 14 126872580) was established in August 2007 with a mission to be Healthcare and Management research-driven entity within the upcoming global Digital Health enterprises linking patients with practitioners/specialist that included the up-coming on-the-fly Digital Health systems. As the consequence the company developed RadCard™ Multi-port SoS (System-on-System) Integrated platform, a unique ‘decentralised’ secure patient-centric digital health technology that can be implemented either standalone or as part of a variety of Digital Healthcare legacy management systems such as HIS and EMR with no disruption to medical-practitioner work-flow, yet bringing significant advantages to patient-clinician-hospital interactions. Over several years iDataMap collaborated with several hospitals, clinics and clinicians in Australia, Asia, and North America to deliver on this unique technology that included iTeleCONSULT connecting patients to practitioners anywhere remotely, and the Smart Cloud - iCLOUD™ for secure backup. Developmental work is now complete; the technology is available for commercialisations, and more importantly initial entry point into global Digital Health markets are identified and linked by a targeted strategies through two distinct frameworks:

- Standalone deployment of RadCard™ Multiport Integrated Platform (APPENDIX A), and
- RadCare™ platform (synonymous with BlueCare™) - being the integration of Hospital Information Systems (ARCRON™ HIS and Electronic Medical Record) with RadCard™ Integrated Platform (APPENDIX B).

RadCard™ embedded within RadCare™ is the differentiator that permits Digital Healthcare systems to operate with or without the presence of internet connectivity and cloud access and furthermore the innovation overcomes the complexities of Interoperability through patient mobility driven by the simplicity of the ‘Plug and Play’ anywhere concept. In addition, the Company has embarked upon a new monumental R&D program taking the advantages offered by RadCard™ when adopted as part of ‘on-the-fly’ predictive medicine and assisted diagnostics – the new NeuroSW/HW processing within our upcoming Extended Intelligence (EI) roadmap.

Global Business strategy for market entry, sales and support are through two distributorship channels:

- Radcard Korea Co. Ltd. based in Seoul, Korea, with exclusive rights over several global regions including MENA, Africa, Asia, South America and US, and
- iDataMap Malaysia Sdn. Bhd. based in Kuala Lumpur, Malaysia.

Distributors are given opportunity to align with subsidiary partners to capture new “large-volume” openings with sufficient flexibility to deliver on combination of B2B (Business to Business), B2C (Business to Consumer), B2E (Business to Enterprise) and B2G (Business to Government) marketing and sales.

Care delivery and digital transformation by iDataMap Corporation Pty. Ltd. innovative technology stacks are key components in revolutionizing the healthcare industry. By leveraging robust, real-time, and radically interoperable data, healthcare providers can have access to comprehensive patient information, enabling them to make more informed decisions and provide personalized care to achieve overall aspect of the virtual health technologies enhancing remote consultations and monitoring, bringing care directly to patients' homes, school, workplaces and anywhere regardless connectivity and reducing the need for unnecessary hospital visits.

By Unifying the digital technology depicted in Figure 2, healthcare providers can deliver care tailored to each patient's specific needs. This approach promotes closer collaboration among industry stakeholders, including healthcare professionals, patients, payers, and technology vendors. Together, they can work towards delivering the right care in the right place at the right time, improving patient outcomes and overall healthcare efficiency – hence accessing new market opportunities (APPENDIX C) .

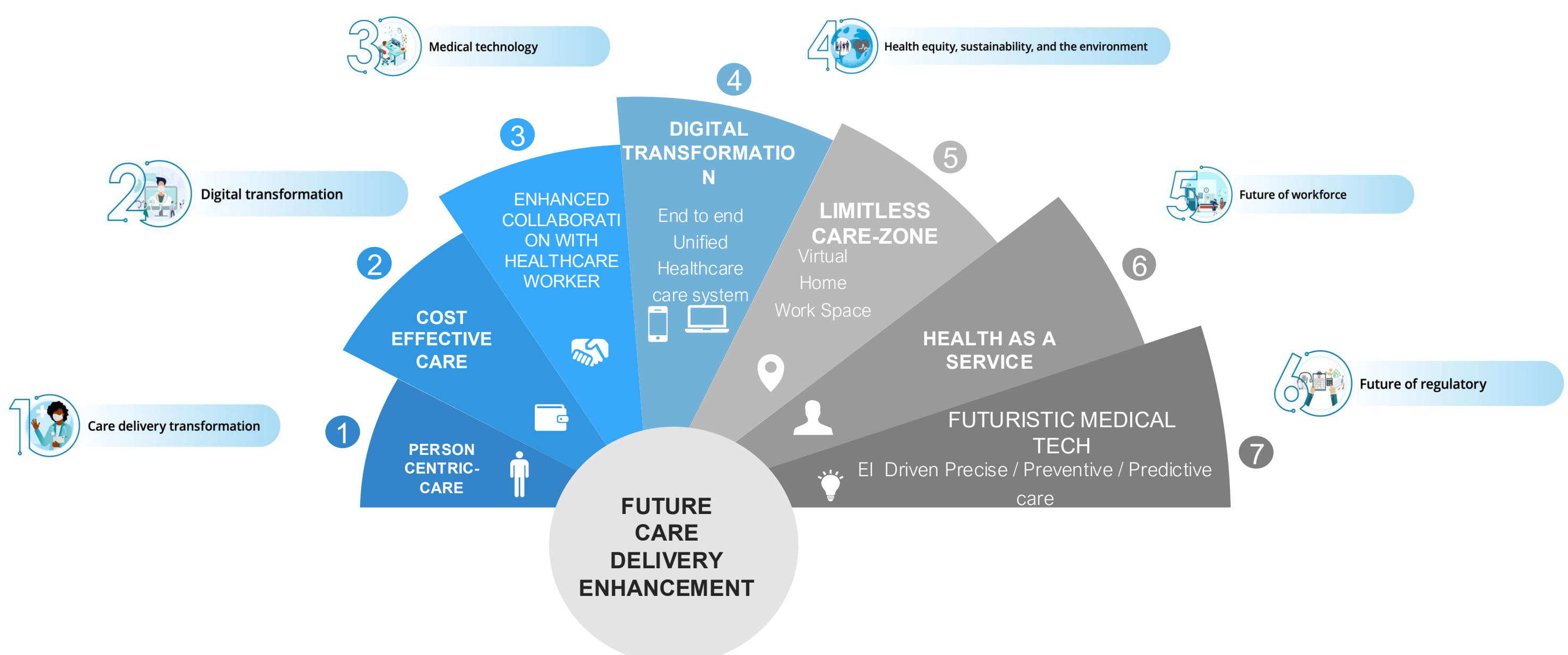


Figure 2. Unifying Digital Healthcare and Health management

### 3. Products Portfolio vs Opportunities

#### RadCard™

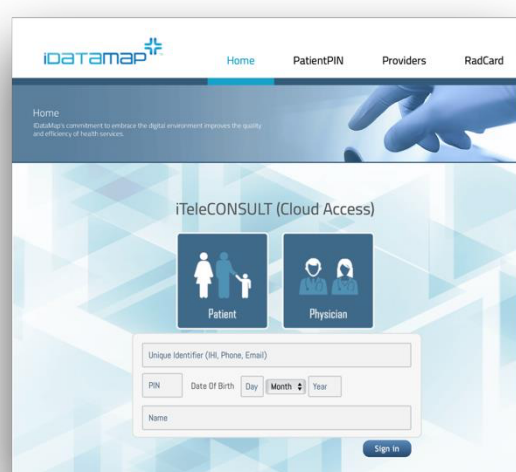


B2C  
B2B2C  
B2G2C  
B2O2C

**RadCard™**: ensures that individuals have access to comprehensive healthcare coverage, regardless of their location or background. It can be distributed through various organizations, such as healthcare providers, insurance companies, or government agencies, to ensure that everyone has equal access to healthcare services. Additionally, RadCard™ serves as a national Unified data lake communicator. It securely stores and communicates personal health information, ensuring that sensitive data remains confidential and protected from unauthorised access or leaks. This feature assures the privacy and security of individuals' health records thus providing an efficient communication means between healthcare providers and patients.

RadCard™ is Data-driven business models, which rely on the collection, analysis, and utilization of data securely towards healthcare services with upcoming personalized medicine, predictive analytics, and population health management developed specifically for [“Global Medical Passport”](#).

#### iTeleCONSULT



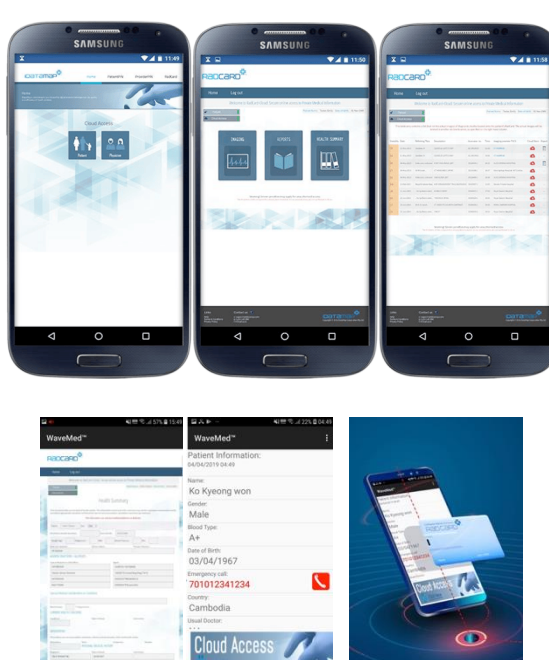
B2C  
B2B2C  
B2G2C  
B2O2C



**iTeleCONSULT**: A Virtual Medical Services within RadCard™ healthcare that specializes in delivering medical services directly to patients in the comfort of their own homes or through virtual platforms. The key objective is to provide convenient and accessible healthcare options to individuals who may have difficulty in accessing the traditional healthcare settings. Through secure remote tele-health consultations and data exchanges between patient and practitioner of their choice, iTeleCONSULT permits patients to connect with healthcare professionals for personalized care.

Through these virtual consultations, patients can discuss their symptoms, receive medical advice, and even receive prescriptions if necessary. This eliminates the need for patients to travel to a physical clinic or hospital, saving significant time and effort. The connection to the global *radDoctor's* pool expands service preferences, offering extended options for medical tourism and insurance claims/management. This feature enables patients to explore a wider range of healthcare providers and services, both locally and internationally.

#### radWave



B2B  
B2G  
B2C

**radWave**: provides a user-friendly interface for patients, doctors, and medical providers to access and manage medical records securely. *radWave* is equipped with emergency response features, allowing users to quickly contact emergency services and provide them with essential medical information. This can be crucial in situations where immediate care is needed. The app utilizes contactless Near Field Communication (NFC) of RadCard™ technology for secure connectivity that maybe integrated with various payment gateways, allowing users to conveniently make payments for medical services, prescriptions, and other healthcare-related expenses when required. *radWave* enhances medical data accessibility, emergency care, and ambulatory services through its user-friendly interface, secure data encryption, and integration with payment gateways.

RadCare™

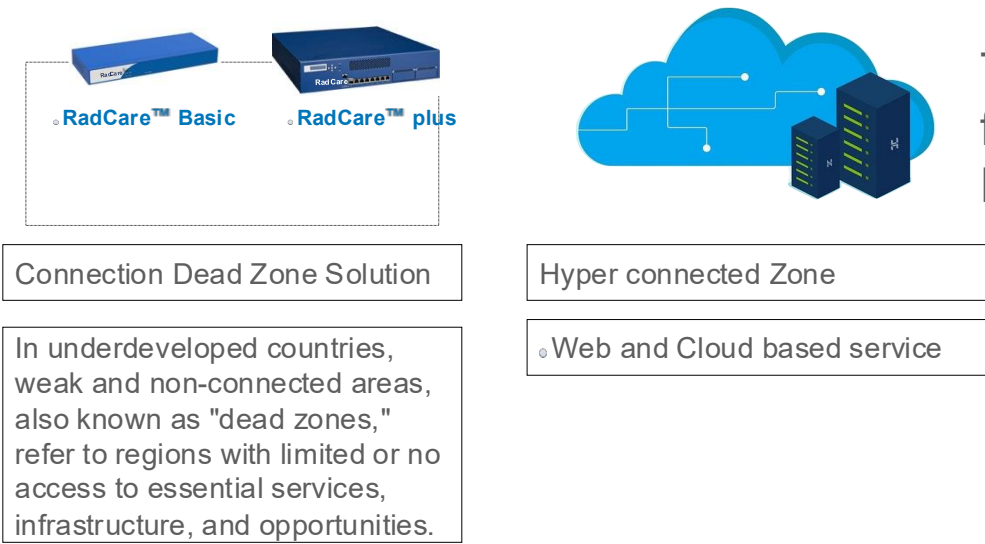


B2B

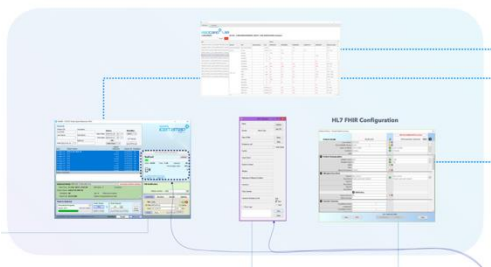
**RadCare™:** is a comprehensive Hospital Information System that provides a range of modules for different healthcare facilities, including GPs, mobile doctors, primary care centers, and poly clinics. It offers seamless integration with RadCard™,RadQR™, and RadLab™, allowing for automated data collection and distribution.

One of the key features of RadCare™ is its plug and play functionality, which caters to the needs of both remote facilities and large enterprise hospitals. It also offers remote accessibility and API integration, allowing medical service providers to access the system from anywhere. Additionally, iTeleCONSULT feature enables remote consultations for healthcare professionals via RadCare™

To support national healthcare sector reform, RadCare™ ensures a unified data stream for crucial inquiries. The system is robust, flexible, and built with international standard Diagnose Codes, ensuring a high-quality service layout.



RadQR™



B2B

**RadQR™ and RadLab™:** are software platforms that facilitate the integration of various Hospital Information Systems (HIS) and Picture Archiving and Communication Systems (PACS). These solutions enable quick and efficient transfer of data for individual patients. By adopting RadQR™, healthcare organizations can eliminate the need for CDs and DVDs, reducing plastic waste. Additionally, the use of HL7 and HL7 FHIR protocols simplifies the process of aggregating medical data, making it easier for healthcare organizations to unify their data. RadQR™ and RadLab™ are designed to streamline the integration of Hospital Information Systems (HIS) and Picture Archiving and Communication Systems (PACS). These cutting-edge solutions provide healthcare organizations with the ability to seamlessly transfer data sets for individual patients, ensuring quick and secure access to critical medical information.

RadLab™

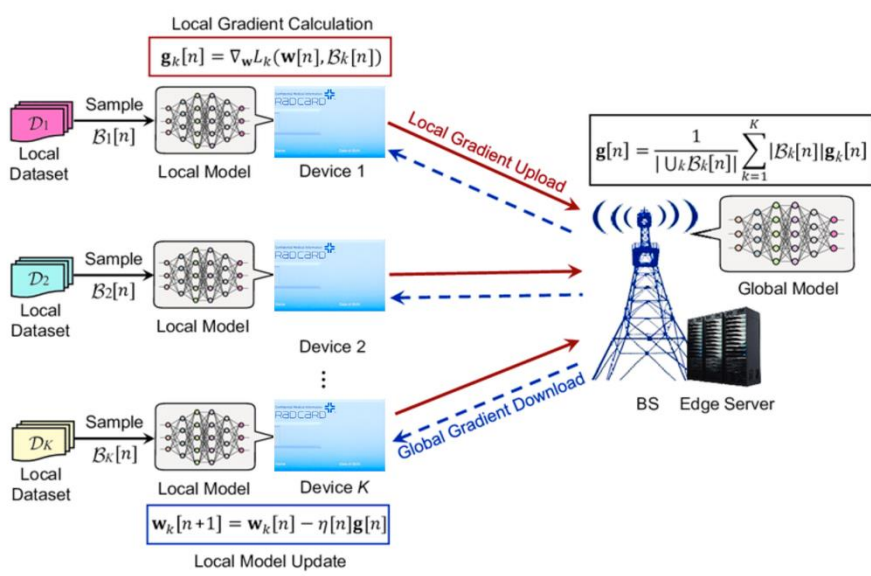
| TEST       |                    |                 | REFERENCE RANGE |          |                 |              |
|------------|--------------------|-----------------|-----------------|----------|-----------------|--------------|
| TEST       | RESULT             | REFERENCE RANGE | TEST            | RESULT   | REFERENCE RANGE |              |
| HEMATOLOGY | WBC                | 10.5            | 4.0 - 11.0      | WBC      | 10.5            | 4.0 - 11.0   |
|            | RBC                | 4.5             | 4.0 - 5.5       | RBC      | 4.5             | 4.0 - 5.5    |
|            | HGB                | 14.5            | 12.0 - 16.0     | HGB      | 14.5            | 12.0 - 16.0  |
|            | HCT                | 42.0            | 37.0 - 47.0     | HCT      | 42.0            | 37.0 - 47.0  |
|            | MCV                | 88.0            | 84.0 - 101.0    | MCV      | 88.0            | 84.0 - 101.0 |
|            | MCH                | 29.5            | 27.0 - 32.0     | MCH      | 29.5            | 27.0 - 32.0  |
|            | MCHC               | 33.5            | 31.0 - 36.0     | MCHC     | 33.5            | 31.0 - 36.0  |
|            | RDW                | 12.5            | 11.5 - 14.0     | RDW      | 12.5            | 11.5 - 14.0  |
|            | PLT                | 250             | 150 - 400       | PLT      | 250             | 150 - 400    |
|            | CLINICAL CHEMISTRY | GLU             | 95              | 70 - 100 | GLU             | 95           |
| BUN        |                    | 12              | 7 - 20          | BUN      | 12              | 7 - 20       |
| CREA       |                    | 0.8             | 0.6 - 1.2       | CREA     | 0.8             | 0.6 - 1.2    |
| ALT        |                    | 15              | 7 - 56          | ALT      | 15              | 7 - 56       |
| AST        |                    | 20              | 10 - 37         | AST      | 20              | 10 - 37      |
| ALP        |                    | 85              | 44 - 128        | ALP      | 85              | 44 - 128     |
| GGT        |                    | 10              | 0 - 41          | GGT      | 10              | 0 - 41       |
| TP         |                    | 7.5             | 6.0 - 8.3       | TP       | 7.5             | 6.0 - 8.3    |
| ALB        |                    | 4.0             | 3.5 - 5.0       | ALB      | 4.0             | 3.5 - 5.0    |
| UA         |                    | 0.5             | 0.0 - 2.8       | UA       | 0.5             | 0.0 - 2.8    |
| IMMUNOLOGY | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
| IMMUNOLOGY | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |
|            | ANCA               | 0               | 0               | ANCA     | 0               | 0            |

B2B

By implementing RadQR™ and RadLab™, healthcare organizations can enhance their operational efficiency, improve patient care, and contribute to a more sustainable healthcare ecosystem. These software solutions are designed to empower healthcare professionals with the tools they need to provide high-quality care while reducing waste and promoting interoperability.

radBloc

B2B



**radBloc:** is an upcoming machine learning approach that enables ‘model training’ across multiple decentralized RadCards that store patient data samples without the need for exchanging them that address security. The approach enables RadCard™ to collaboratively learn a shared prediction model while keeping all the training data within RadCards. radBloc utilizes an event-driven EI framework within snnTorch platform with the aim to provide an intuitive interfaces usable by patients and clinicians and address the accessibility challenge by providing a cost-effective, power efficient localized solution in emerging Predictive Medicine and Assisted Diagnostics eHealth arena.

# APPENDIX A

## PRODUCT-LINE OVERVIEW

### I. UNIQUE DIGITAL HEALTH PLATFORM

RadCard™ a unique person-centric, decentralised and distributed digital health technology, the very first of its kind unparalleled within health-care systems that securely transforms a desktop, a laptop, a tablet, or a smart-phone into a medically diagnostic viewing platform anywhere in the world without the need to download additional software and can carry all medical, travel and personal documents (including imaging) securely in absence of internet. RadCard™ places the patient at the heart of digital health, giving to the patient complete custodial ownership and control of their medical information (data) securely. In presence of internet data is not only synchronised to a backup cloud for long-term storage but more importantly facilitates secure interactions between Patient-Practitioner and Clinics via iTeleCONSULT.

Technology is based on international standards to provide the best possible interoperability and worldwide market acceptance, allowing communication with a wide range of imaging informatics and healthcare information systems, such as RIS, HIS, LIS, PACS, VNA, EHR, MyHR and other reporting and data systems DICOM and ISO/IEC14443.

As part of global validation processes, iDataMap collaborated with several hospitals, clinics/clinicians in Australia, Asia, India, and North America to deliver on this unique technology seen as the catalyst towards a more effective, efficient, innovative, and importantly, a global approach to Digital Health.

### II. MAIN FEATURES OF RadCard™ INTEGRATED TECHNOLOGY:

#### 1. Stand-alone System:

Transforms any Lap Top or PC with Windows software into a medical diagnostic platform. Does not require internet for connectivity.

Provides secure 8GB-32GB storage using un-linked wafers.

Autorun together with UFD port compatibility create a simple patient-machine interaction.

PIN controlled access:

- Provides storage and display for both simple and heavy imaging and sequences demanded by radiology and nuclear medicine imaging systems.
- Viewing of radiology images and sequences is through a medically certified DICOM Viewer suitable for medical diagnosis and assessments.

Complemented by RadQR™ platform for uploading of images from Radiology Clinics.

Provision for "Image Waiting" facility in the presence of Internet and cloud.

#### 2. Independent and Secure Vault

For Storage and retrieval of variety of records including medically related insurance and travel documents.

On-the-fly data AES128/256 encryption and decryption.

PIN encrypted data storage for personal documents. Only accessible by the secure patient PIN selection.

#### 3. Cloud Synchronization and Smart Cloud Switch: iSAVE™

Provision for synchronizations of data storage in-country cloud iSAVE™ in the presence of internet network.

Provision for in-country auto cloud selection by Smart Cloud Switch engine.

#### 4. Near Field Communication (NFC)

Inclusion of Near Field Communication with 1000B memory (SoS Integration) that can be accessed by Android smart-phones and tablets for contact-less Emergency access to patient's basic details suitable for Emergency Departments and personal attending to life-saving and time-sensitive events.

#### 5. Remote access to patient data: radWAVE™

Provision for remote access to patient data through inclusion of WaveMed™ API when internet and cloud-storage is made available.

#### 6. Provision for Uploading Radiology Imaging: RadQR™

To facilitate easy uploading of images by radiology personal RadQR™ Engine software platform that can reside either on radiology computer or a separate PC is provided.

#### 7. iTeleCONSULT

Embedded iTeleCONSULT API allows remote communication and controlled patient data accesses between Patient and Practitioner Clinician in presence of Cloud and Internet services.

#### 8. Contact Less Payment

Provision for contact-less payment processing through RadCard™ NFC interface.

#### 9. Security

RadCard™ is designed to carry a person's medical history, including medical imaging, reporting, health history, and emergency information. iDataMap has installed several security measures ensuring that all interactions with RadCard™ and HealthCare Systems remain secure, do not damage host/client systems, and are free from threat. The areas of interaction we are concerned with are:

- | Patient interaction with RadCard™
- | Radiologist/Physician interaction
- | Clinic/hospital radiological/medical imaging staff
- | Clinic/hospital reception staff
- | Unauthorised access (accidental and malicious).

Security measures play an important role in the following:

- | Allowing access to personal medical information to authorised persons only (patients and medical practitioners)
- | Protecting the integrity of patient medical information
- | Ensuring the host computer is not infected by viruses/malware
- | Ensuring the host computer's network and system remain unaffected.

III. SPECIFICATION: RadCard™ MULTI-PORT INTEGRATED SoS HW/SW PLATFORM

RadCard™ Specification

| Category          | Details                                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOFTWARE          |                                                                                                                                                                                                         |
| Supported Systems | IBM compatible PC<br>Apple Mac desktop and mini computers via emulation, laptops and notebooks                                                                                                          |
| Operating Systems | Microsoft Windows XP/ 2000/ Vista/ 7/8/ 8.1/10/11 (32/64 bit)<br>Apple Mac OS/X via Windows emulation, laptops and notebooks                                                                            |
| Capacity          | 8GB, 16GB, 32GB, 64GB                                                                                                                                                                                   |
| Data Addition     | Only possible by authorized Diagnostic Imaging Provider                                                                                                                                                 |
| Security          | Medical data is encrypted with AES (Advanced Encryption Standard) encryption<br>Encryption is based on a 256bit hash<br>Image and application support files hidden in a locked subdirectory             |
| Image Viewing     | On-board DICOM image viewer iQ-VIEW Lite 2.8.0<br>(http://www.image-systems.biz/iq-view)                                                                                                                |
| Reports           | File formats for Reports supported in RadCard™<br>*.doc, *.docx, *.odt, *.pdf, *.rtf, *.txt                                                                                                             |
| Media             | File format for Media supported in RadCard™<br>*.avi, *.mpg, *mpeg, *.mp4, *.m4v, *.wmv, *.jpg, *.bmp                                                                                                   |
| HARDWARE          |                                                                                                                                                                                                         |
| Dimensions        | W=85.6mm × H=54mm × D=1.9mm (3.370" × 2.125" × 0.08")                                                                                                                                                   |
| Weight            | 12 grams (0.4 ounces)                                                                                                                                                                                   |
| Connector         | Single sided USB connector                                                                                                                                                                              |
| Host Interface    | Versions 1.0, 1.1, 2.0, 3.0<br>UHCI (Universal Host Controller Interface)<br>OHCI (Open Host Controller Interface)                                                                                      |
| Current           | Operating Current < 40mA<br>Suspend Current < 300uA, compliant to USB spec. of < 500uA                                                                                                                  |
| Retention         | Data is retained for up to 10 years                                                                                                                                                                     |
| Durability        | Water proof<br>Sand proof<br>Heat tolerant<br>Washing machine safe<br>Car-dashboard tolerant                                                                                                            |
| Environmental     | Operating Temperature 0°C ~ +50°C<br>Storage Temperature 20° C ~ +80°C<br>Relative Humidity under operation 20% ~ 80% (non-condensation)<br>Relative Humidity under storage 5% ~ 95% (non-condensation) |
| Compliance        | EMI Compliance FCC Class B, CE, VCCI, BSMI, CTICK, MIC                                                                                                                                                  |

RadQR™ Specification

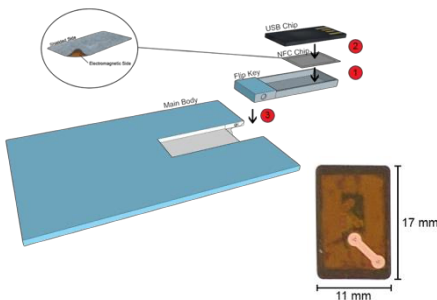
| Category                  | Details                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOFTWARE                  |                                                                                                                                                                                                                                                                                                                                                      |
| Installation              | RadQR™ is installed on a client’s workstation with PACS connectivity<br>Installed on hard drive, self-contained, requires ~140MB<br>Administrator privileges required                                                                                                                                                                                |
| PACS Communication        | A connection to the client PACS must be established to download studies<br>AE (Application Entity) Title, hostname and port number of client PACS required<br>If client PACS has no promiscuous access, or C-GET has been disabled, RadQR’s AE title, hostname and port number should be added to the client PACS list of allowed connection clients |
| RIS/HIS/LIS Communication | HL7 2.3.1 queries and reports will be used to extract report information where supported<br>HL7 2.8.x to be released ETA June 2016                                                                                                                                                                                                                   |
| Security                  | Image studies will be pushed to RadCard based on Provider ID and PIN<br>Provider PINs are available through the website ProviderPIN.com                                                                                                                                                                                                              |
| HARDWARE                  |                                                                                                                                                                                                                                                                                                                                                      |
| Supported Systems         | IBM compatible PC<br>Apple Mac desktop and mini computers, laptops and notebooks                                                                                                                                                                                                                                                                     |
| Operating Systems         | Microsoft Windows XP/2000/Vista/7/8/8.1/10 (32/64 bit)/11<br>Other operating systems supported through emulation                                                                                                                                                                                                                                     |
| Workstation               | Intel or AMD CPU running at 2.6GHz or higher<br>Ethernet network interface card and drivers<br>Monitor and graphics adaptor must support a resolution no less than 1024x768<br>2GB RAM or more<br>200MB free hard drive space<br>At least one unblocked and accessible USB port                                                                      |
| USB ports                 | Version 1.0, 1.1, 2.0, or 3.0 open port                                                                                                                                                                                                                                                                                                              |

NFC

| Category | Details                         |
|----------|---------------------------------|
| Hardware | ISO/IEC 14443 standard 13.56MHz |



Mobile APP



Desktop Application

