



**Remote  
monitoring  
during isolation:  
Reducing spread  
of COVID-19**



# InteliCare

- Utilises smart sensors and artificial intelligence (AI) to keep health professionals and family members informed, while reducing the risk of transmission
- Enables people at-risk to live independently and be remotely monitored
- Reduces need for physical interaction, reliving pressure on the healthcare system
- Sends automatic notifications of deterioration and overall wellness



## **SELF-ISOLATION RISK FOR AGED AND DISABLED DURING COVID-19**

Quarantine of high-risk people brings a **duty of care**.



## **AI SOLUTION TO INDEPENDENT LIVING**

Allowing independent living while reducing risk is the heart of InteliCare.



## **SUBSTANTIAL COST & RISK SAVINGS**

Reduce staff visits, hospital bed load, direct transmission risks and **undetected deterioration or deaths**.



## **PROVEN SYSTEM ALREADY USED BY GOVT AND AGED CARE CLIENTS**

**Systems operational** within the Western Australian government



## **UNLOCKS REMOTE PATIENT HEALTHCARE**

Combine with **Telehealth and ePharmacy** for remote patient management

# How it Works

Overcomes fundamental limitations and reliance on post-event duress systems for care monitoring

80% of falls, people with alarms didn't use them and 27% resulted in the person laying on the floor for 1+ hours<sup>1</sup>

## Step 1

**Easy to install smart sensors incorporated through the home**

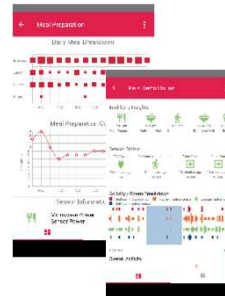
Self-installable or we can install



## Step 2

**Movements monitored immediately, improved over 5 days**

AI learns normal domestic behavior (i.e. sleep amount, bathroom use and regularity of kitchen appliance use).



## Step 3

**Push Notifications**

Care providers are notified:

- All okay" daily: or
- Of a variety of alerts escalating in urgency subject to the concern (e.g. failure to arise will issue the highest urgent alert).



**Early incident detection**  
to assist in reducing liabilities and enabling better care



**Clinicians**  
Remotely monitor deterioration and triages multiple patients

EXISTING GOVERNMENT CONTRACTS



Government of Western Australia  
WA Country Health Service



Government of Western Australia  
Department of Communities

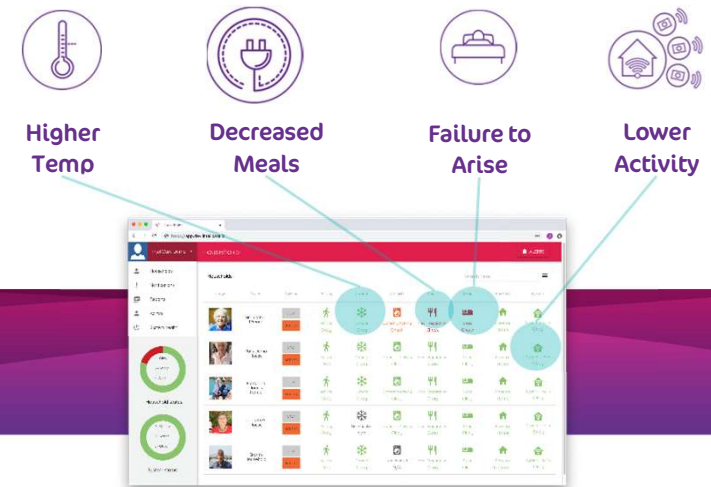
1. Fleming J., Brayne C., "Inability to get up after falling, subsequent time on floor and surrounding help" (2008).

# InteliCare & COVID-19

## Critical element in a Telehealth digital pathway pandemic response

Relieves stress on the health system and mitigates:

- Risk of imposed-isolation when hospitals reach capacity.
- Exposure in aged care facilities by care providers and family members.



### Step 1:

#### Remote Diagnoses and Treatment

Telemedicine based screening for first consult

Teleconsult with GPs and other clinicians

Digital ePrescription from GPs to pharmacies & home delivery

Connect 24/7 patients/GP/carers

### Step 2:

#### Remote Care Triaging

Data driven response based on clear trends

Carers respond to those most in need

Reduces infection pathways from carers doing welfare checks

Removes risk of undiscovered death in quarantine



## Execution and Outcomes

### Recommendation:

Immediately mobilise several thousand InteliCare systems

Small window of opportunity before virus widely effects those in high risk categories

### No-lose rollover post crisis:

Deploy into HCP waiting list

120,000 people nationally, address Royal Commission

OR

Reduce hospital readmissions

Deployable pool proven to reduce readmissions for elderly

PLUS

Ongoing cost reduction to healthcare sector post pandemic



- Ramp up:
  - 6 weeks lead time initial 3,000-5,000
  - Ramp up to 100,000 over subsequent weeks
  - In discussion with component suppliers to expedite
- Need 50% upfront payment to cover mobilisation and order costs, with subsequent milestone payments
- Possible additional Govt support:
  - Defence Aid to Civil Community (DACC) for installs
  - Dept of Health at-home Registered Nurses to monitor
  - DFAT to expedite overseas supply chains