




PainChek

Intelligent Pain Assessment

PainChek

*“The world’s first intelligent
pain assessment tool”*

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Giving a **voice**
to people that
cannot reliably
verbalise pain

Documenting the
voice of those
who **can reliably**
self-report

Operating
Universally for
those who
fluctuate
between the
two

Problem Of Managing Pain In Dementia

Pain is common

- Up to **80%** of people in aged care experience **chronic pain**¹
- More than **70%** of people in aged care have **dementia**²

Over 50% of people living with dementia have undetected and untreated pain¹

- Pain is difficult to assess
- Tools to assess pain are often not used or use subjective rating scales
- Difficult to use existing methods in practice
- Adverse impact on quality of care, operational efficiency and compliance



¹ Aged Care Awareness

² CPEC London School Of Economics Nov 19

³ Carter, D (2015) Dementia and Homecare: Driving Quality and Innovation by the UK Homecare Association

Behavioural Symptoms



>90% of people with dementia affected by BPSD, often caused by pain.

Greater the pain = Greater BPSD & severity

Pain group **3.8 times** more likely to experience BPSD

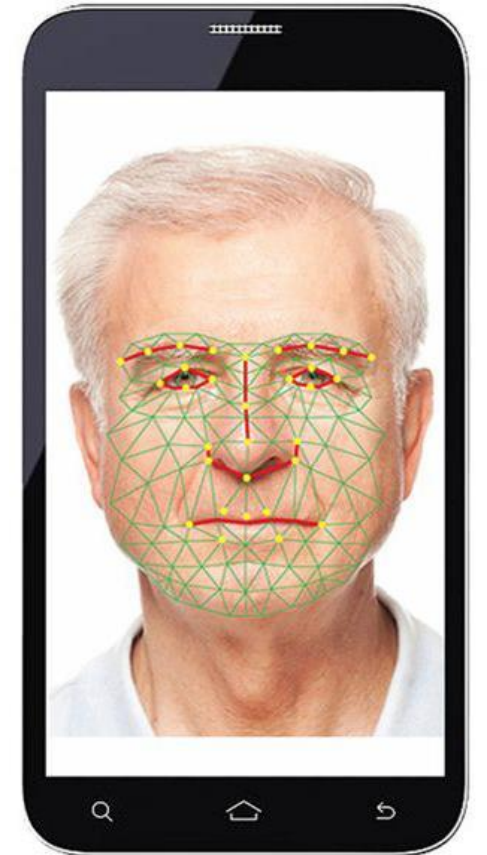
25.3% more
neuropsychiatric
behaviours

33.6% higher
severity of
behaviours

31.4% more
distress to
caregivers



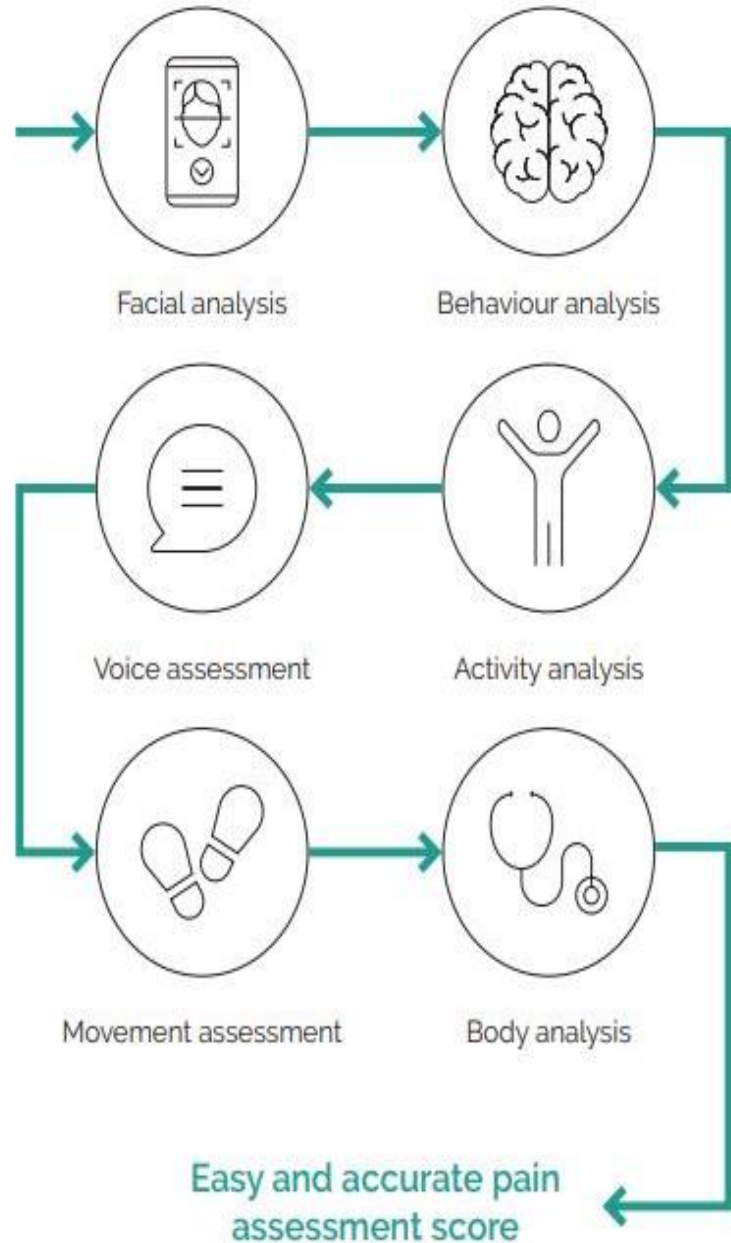
The PainChek Solution



Pain Domains

PainChek assesses pain across 6 key areas. These are the:

- Face
- Behaviour
- Voice
- Activity
- Movement
- Body

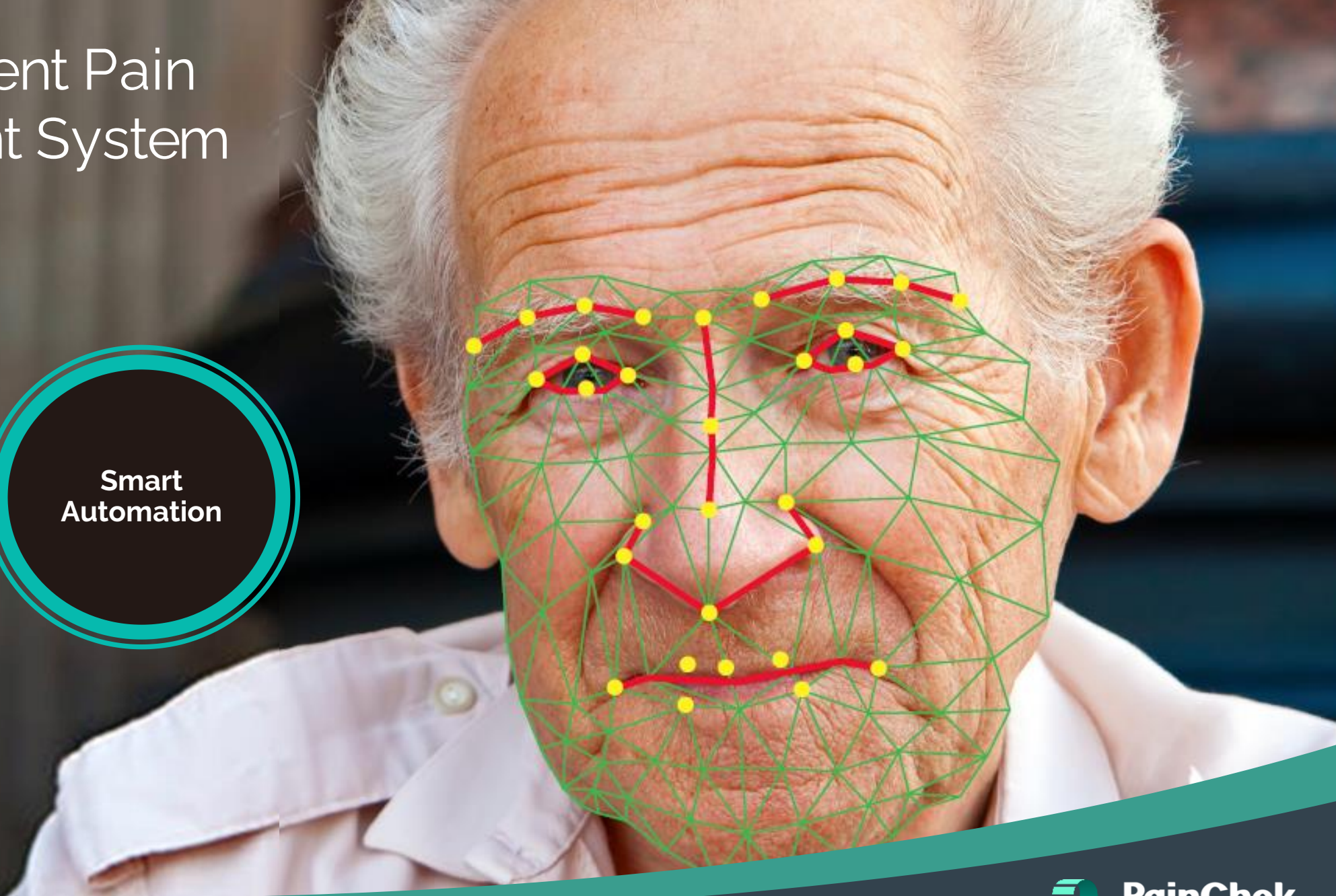


An intelligent Pain Assessment System

Uses AI to detect microfacial feature

Smart Automation

Documented at the **Point of Care**



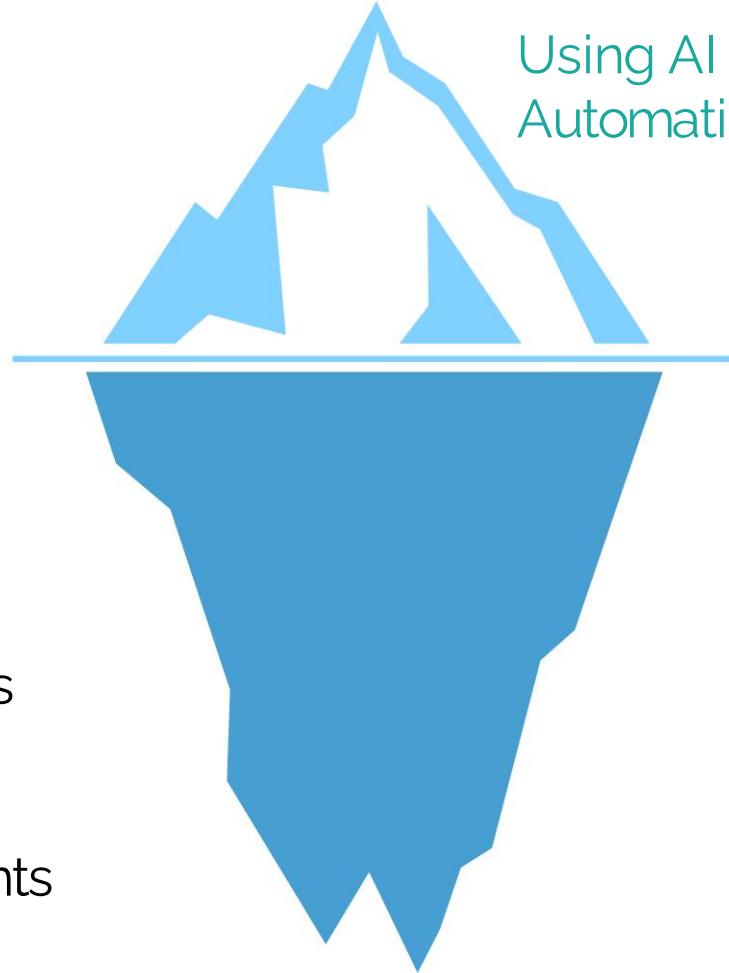
Learnings from implementation



Resident Benefits

- Improved diagnosis
- Improve BPSD
- Reduce use of antipsychotics
- Improve use of analgesics
- Preventing falls
- Reduce safeguarding incidents
- Complete pain profile

Using AI and Smart Automation at POC



Care Giver Benefits

- Provide training
- Solve documentation issues
- Maintain interaction with residents
- Improve communication
- Repurposing staff
- Empower staff/staff confidence
- Influencing positive change
- Saves time

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Any questions?

