

Pain Assessment & Task Orchestration

PainChek & Ascom

How the PainChek® pain assessment process works

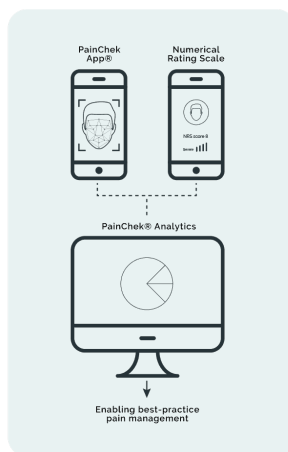
During a PainChek® assessment, a camera-enabled smartphone or tablet is used to perform a real-time, AI driven analysis of the person's face, recording micro expressions proven to be indicative of pain. The assessor's clinical observations on pain related behaviours such as movement and voice are then recorded through an intelligently automated framework, standardising the observation format. This data is used to generate an overall pain rating – the key clinical output of the PainChek® assessment.

Where the NRS assessment is used, the PainChek® app guides the assessor to ask a standardised question, quantifying the level of pain being experienced, and if relevant, the location of pain.

PainChek® Analytics: Informing best-practice pain management

All pain assessment data is stored securely and centrally via the cloud, and documented

in PainChek®'s detailed reporting suite, PainChek® Analytics. This allows the caregiver to monitor the effect of medication and other nonpharmacological treatments over time.



How Ascom's orchestration platform works

When the requirement for a pain assessment to be carried out is identified within the PainChek solution, a task requesting a pain assessment will be generated in Ascom's Ofelia orchestration platform via an API call.

Ofelia is an integration and orchestration platform designed to aggregate data from disparate systems enabling critical insight and the workflow management of critical information and events.

Upon receipt of a request the Ofelia platform will generate a task and distribute it to individuals or groups, this can be based on role, location, event type etc.

When a task is received, the user can choose to accept or reject the task based on their availability, once accepted all other users that received the task will be notified that the task has been accepted and that they no longer need to respond. If the task is not accepted in a configurable time frame or each user rejects the task it can be escalated to other groups/users or redistributed. **Escalation chains are fully configurable to ensure no task is lost.**

When a task is accepted the status of the task can be moved through different statuses to provide visibility and auditability such as accepted, in progress, completed etc.

Care Home Benefits

- Providing best practice through automated task management and operational efficiencies
- Improved compliance for pain assessments
- **Improve quality of care (e.g. Reduction in medication administration due to timely pain assessments, reduction in falls)**
- Insights through data platform for effective and efficient pain assessment and management
- Supporting the digitisation of the care home
- Full integration between Ascom and PainChek for complete audit trail shared with care record.

Carer/Nurse Benefits

- **Automated reminders for pain assessments**
- Mobilising the tasks/reminders; removing the reliance of the central console
- Full integration means reducing duplication of work through digital working
- Ownership and accountability.

Resident Benefits

- Contributes to reducing/minimising pain for the resident
- Reducing non-essential medication requirements
- **Removing unnecessary disturbances for pain assessments and medication administration.**



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