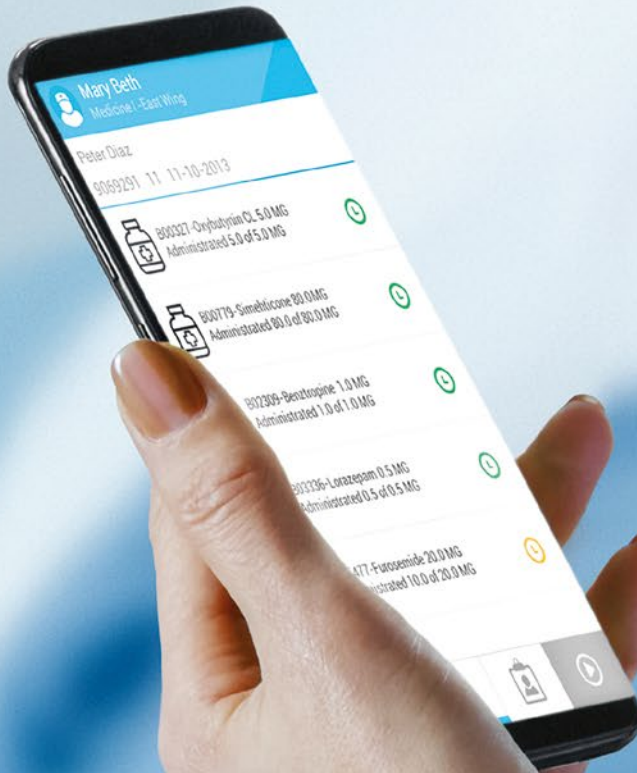# JAC

Advancing medicines management

Scan4Safety & GS1 Compliance

PharmaTRAC®

Delivering Closed Loop Prescribing and Administration

BIQ
Health Solutions

JAC

Compliance with EU regulations

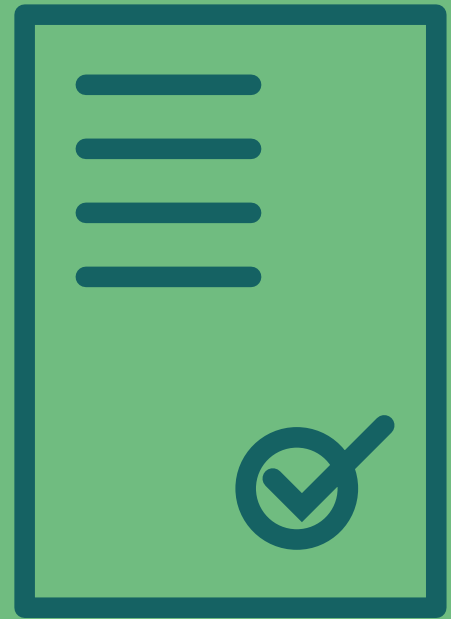The NHS is determined to improve patient safety and to minimise medication errors.

To reduce administration error and improve patient safety, JAC are introducing Pharma**Trac**® from BIQ into the NHS to ensure that no mistakes are made while giving medication to patients.

What is Pharma**Trac**®**?**

Pharma**Trac**® is a bedside scanning solution designed to ensure patient safety through the validation of medication administration.

Pharma**Trac**® allows healthcare providers to deliver Closed Loop medicines management by allowing the Pharmacy to create 2D barcodes.

These barcodes can be placed in the dose pack containing all relevant information for the medications including lot number and expiry date.

At the patient bedside, nurses use a handheld device to compare 3 elements:

- Patient
- Patient prescription
- Medication to be administered

Nurses scan the wristband of the patient, then the individual drugs prior to administration. Pharma**Trac**® compares the prescription of the patient with the scanned data to ensure both medicine and patient are correct.

Advantages of
Pharma**TRAC**®

The implementation of Pharma**Trac**® in hospitals provides:

1 ### Bedside Validation
Significantly reduces administration errors by matching the patient with the prescribed medication

2 ### Tracking
Tracks medication from pharmacy to patient

Tracks medication batches and expiry dates up to the moment of administration

3 ### Record of Events
Near misses are monitored and errors are avoided

4 ### Prepares patient medication
Pharma**Trac**® allows nurses to prepare medication for patients in advance using the handheld device

5 ### Ensures the 5 rights of administration
Right patient | Right medication | Right dose | Right time | Right route

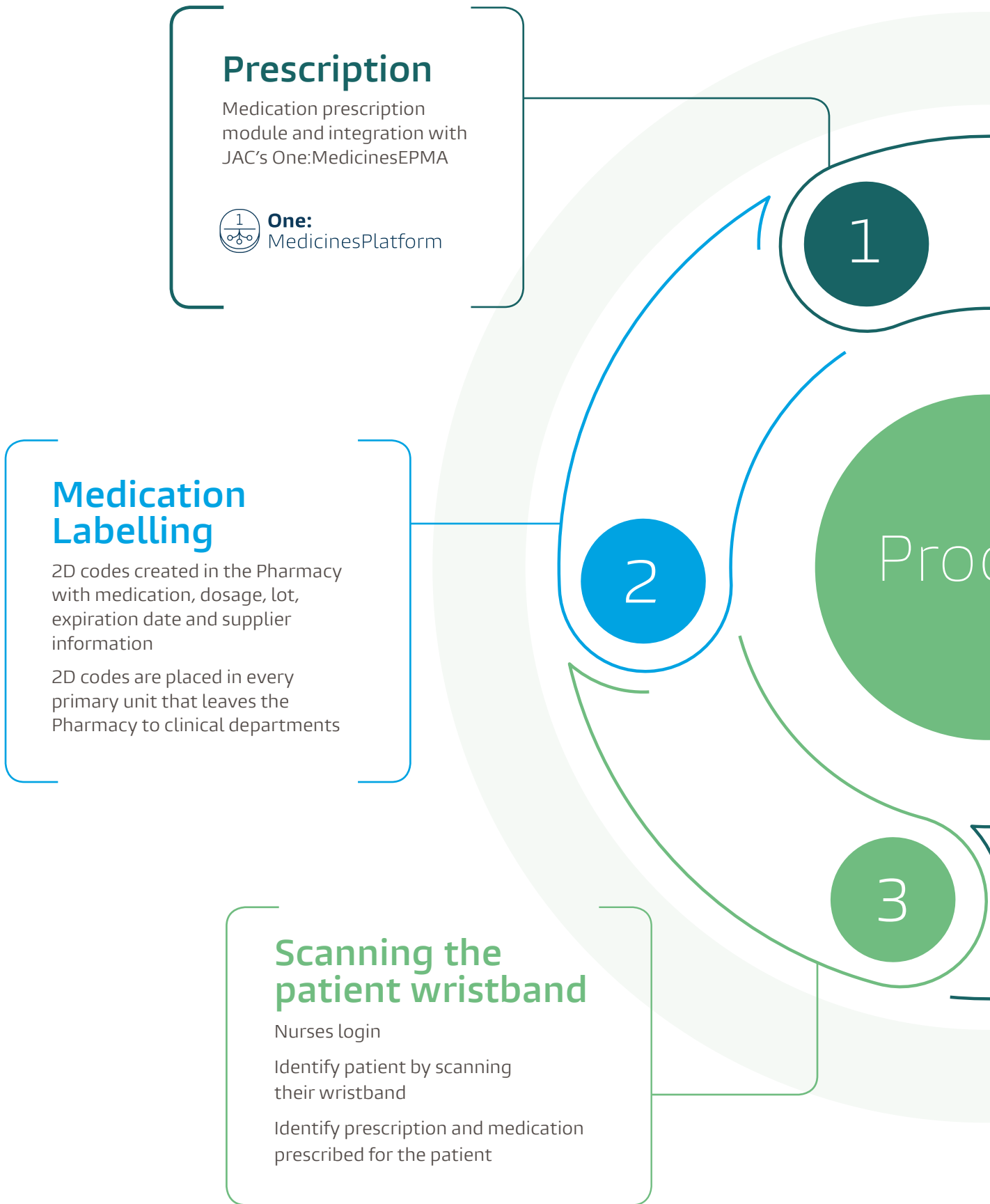**6** ### Paper free medication records
Supports NHS paper free initiative

7 ### Compliance with the guidelines
of WHO, JCI, Level 5 in HIMSS and other accreditation models

8 **GS1** ### Compliant with GS1
Supports compliance with Scan4Safety and GS1 NHS initiatives

9 ### Closed Loop Administration
Compliance as defined by NHS England

Prescription

Medication prescription module and integration with JAC's One:MedicinesEPMA

One:
MedicinesPlatform

1

Medication Labelling

2D codes created in the Pharmacy with medication, dosage, lot, expiration date and supplier information

2D codes are placed in every primary unit that leaves the Pharmacy to clinical departments

2

Pro

Scanning the patient wristband

Nurses login

Identify patient by scanning their wristband

Identify prescription and medication prescribed for the patient
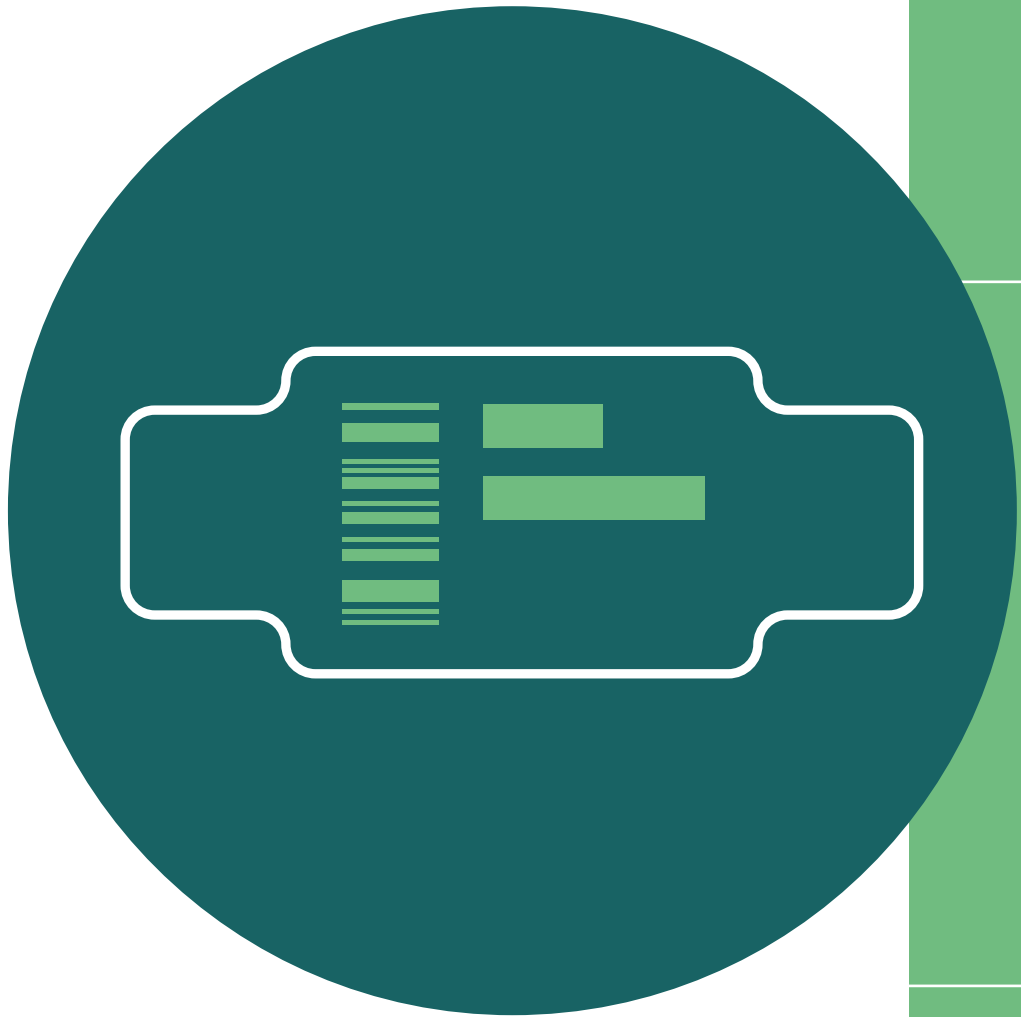
3

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4

cess

Matching

Confirm the administration method on the handheld device. Pharma**Trac**® alerts when:

- The medication does not match the prescription

- The expiration date is not valid

- The dosage is not correct

- The administration route method does not match the one that has been prescribed

- The batch has been marked for recall

- When the prescribed medication is not administered the system requires a justification

Scanning Each Medication

Identification of the medication, concentration, lot number and expiration date

All this medication data is generated from JAC's One:MedicinesPSC pharmacy system so no extra product install is required.

Pharma**TRAC**®
System
Components

Wristband

- For a correct identification of the patient the wristbands should be comfortable, resistant and contain at least one unique patient identifier

- To easily print patient wristbands Pharma**Trac**® uses a bespoke labelling system (EKLabel) which can be integrated with the PAS where label printing is not already available within the Trust

- Compatible with all wristband formats, allows layout configuration and is prepared for printing all barcode types

Handheld Devices

- Prepared for wireless or offline use

- Tumble and liquid resistant

- Easy and fast capture reading of barcodes

- Lightweight

- Battery autonomy of 6 or 12 hours

- Vibration alerts

- Display with touch panel

- Supplied with a cradle for charging and sending data on the offline option

Thermal Printers

- Used to print wristbands and labels

- Ready for use with thermal desktop printers

- Option of using pre-existing printers or supplied with Pharma**Trac**® solution

Handheld Devices Software

- Administration preparation at the bedside by scanning packs to validate correct product selection

- Developed for intuitive use with graphic icons for a quick user experience

- Login using Trust ID badge, or password according to local hospital reference
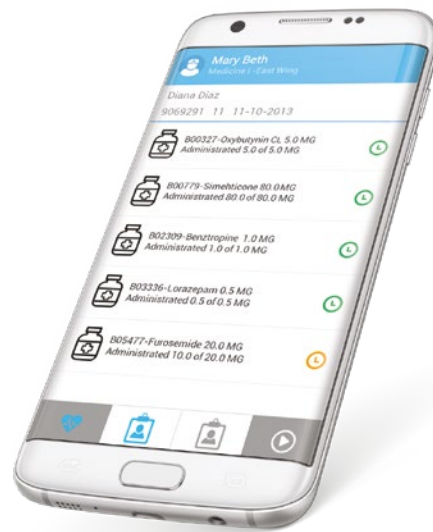
- Graphics, sound and vibration alerts

Software Front End

- Web front end for managing handheld devices and customising how they work

- Suite of reports for monitoring performance

Delivering GS1 compliance.

Delivering Closed Loop Prescribing and Administration

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PharmaTRAC®

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BIQ
Health Solutions

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