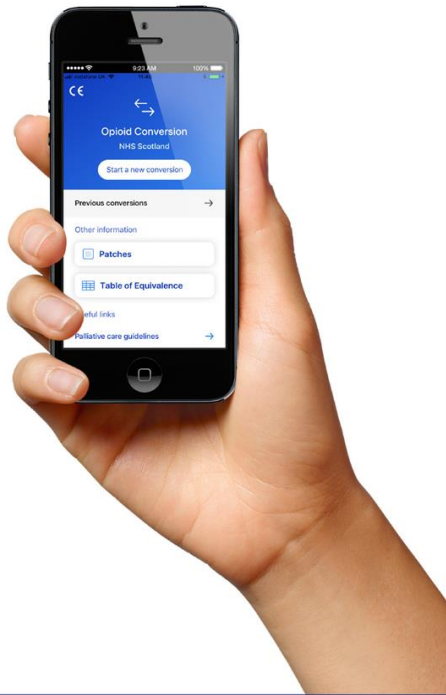




The Safer Prescription of Opioids Tool (SPOT)

A safe and easy way to support you switching opioids



The SPOT team would like to thank all the following organisations for their input, guidance and continued support to help make SPOT happen:



SPOT:

The Safer Prescription of Opioids Tool



September 2019

Dr Roger Flint MB ChB, MSc, BSc(Hons) RAMC

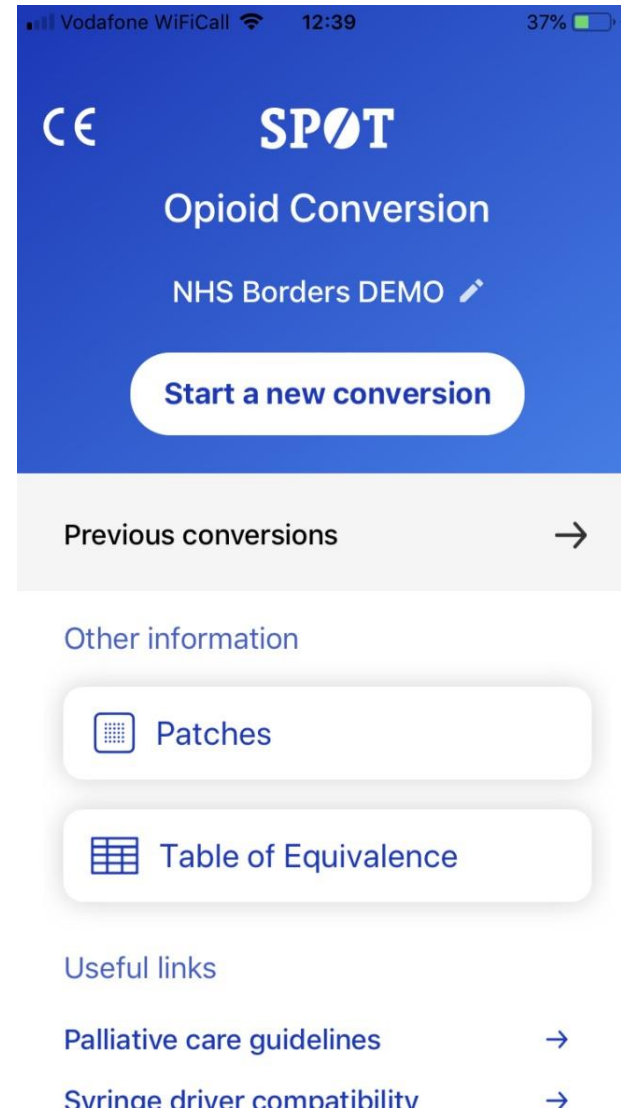
DECISION SUPPORT IN PALLIATIVE AND END OF LIFE CARE

What is SPOT?

- The **S**afer **P**rescription of **O**pioids **T**ool.
- Clinically driven, Co-designed and Clinically-validated
- Developed over 5 years in NHS Scotland
- Clinician Decision Support Tool
- Available as an Android and Apple iOS App + Website
- Access SPOT at: www.opioidcalculator.co.uk
- iPhone iOS: <https://itunes.apple.com/us/app/spot-opioid-calculator/id1442096480?ls=1&mt=8>
- Android: <https://play.google.com/store/apps/details?id=uk.co.doctorflint.spot>

How does SPOT support safe prescribing?

- Direct links from the home page to Best Practice Guidelines
- Equianalgesic opioid conversion double-check
- Quick-reference equivalence tables for opioid conversion
- Stores prescriber's own calculations to aid revalidation and education
- Displays all drug preparations available to prescribe in the organisations' formulary: Ability to direct users to consider alternatives in cases of shortage



SPOT Accreditation and Assurance

- Clinically-Validated in NHS Tayside in Primary, Secondary and Tertiary Care.
 - Proven to significantly improve the confidence of opioid prescribing in users and adherence to best-practice Guidelines.
 - Published in the International Journal of Environmental Research and Public Health - May 2019.
- Algorithms based on the Scottish Palliative Care Guidelines
- CE Marked Class 1 software medical device
- Fully indemnified
- Scottish Quality Assurance Framework for Medical Device Apps Assured (QAF) - 2019
<https://rightdecision.scot.nhs.uk/appslibrary>
- Post-marketing surveillance
- Reviewed and endorsed by the Scottish Palliative Care Guidelines
- Meets and exceeds WCA3 2.0 Accessibility Standards
- GDPR compliant



Communication

The Safer Prescription of Opioids Tool (SPOT): A Novel Clinical Decision Support Digital Health Platform for Opioid Conversion in Palliative and End of Life Care—A Single-Centre Pilot Study

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Abstract: Opioid errors are a leading cause of patient harm. Active failures in opioid dose conversion can contribute to error. Conversion is complex and is currently performed manually using tables of approximate equivalence. Apps that offer opioid dose double-checking are available but there are concerns about their accuracy and clinical validation. This study evaluated a novel opioid dose conversion app, The Safer Prescription of Opioids Tool (SPOT), a CE-marked Class I medical device, as a clinician decision support (CDS) platform. This single-centre prospective clinical utility pilot study followed a mixed methods design. Prescribers completed an initial survey exploring their current opioid prescribing practice. Thereafter prescribers used SPOT for opioid dosage conversions in parallel to their usual clinical practice, then evaluated SPOT through a survey and focus group. SPOT matched the Gold Standard result in 258 of 268 (96.3%) calculations. The 10 instances (3.7%) when SPOT did not match were due to a rounding error. Users had a statistically significant increase in confidence in prescribing opioids after using SPOT. Focus group feedback highlighted benefits in Quality Improvement and Safety when using SPOT. SPOT is a safe, reliable and validated CDS that has potential to reduce harms from opioid dosing errors.

Keywords: Clinical Decision Support Systems; Opioid Analgesics; Focus Groups; Pilot Projects; Palliative Care



SPOT NHS Borders

- Board-wide Deployment - c400 users
 - c150 Non-Medical Prescribers
 - c24 of the region's GP practices
 - c200 doctors in Borders General Hospital
 - FY1 & FY2 new start Doctors in August
- SPOT team - NHS Borders Medical Lead - Dr Annabel Howell
- Implementation -
 - January 2019:
 - Project Mobilisation Phase
 - April 2019:
 - Baselining and Measuring Project Impact
 - May 2019:
 - Project Support meetings - Bi-Monthly
 - August 2019:
 - Raising awareness activities and presentations:
 - SPOT users recruited
 - July 2020:
 - Final Report

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[South Scotland](#)

End-of-life pain relief phone app trialled at Melrose care unit

By Laura Goodwin
Innovation Correspondent

🕒 14 June 2019

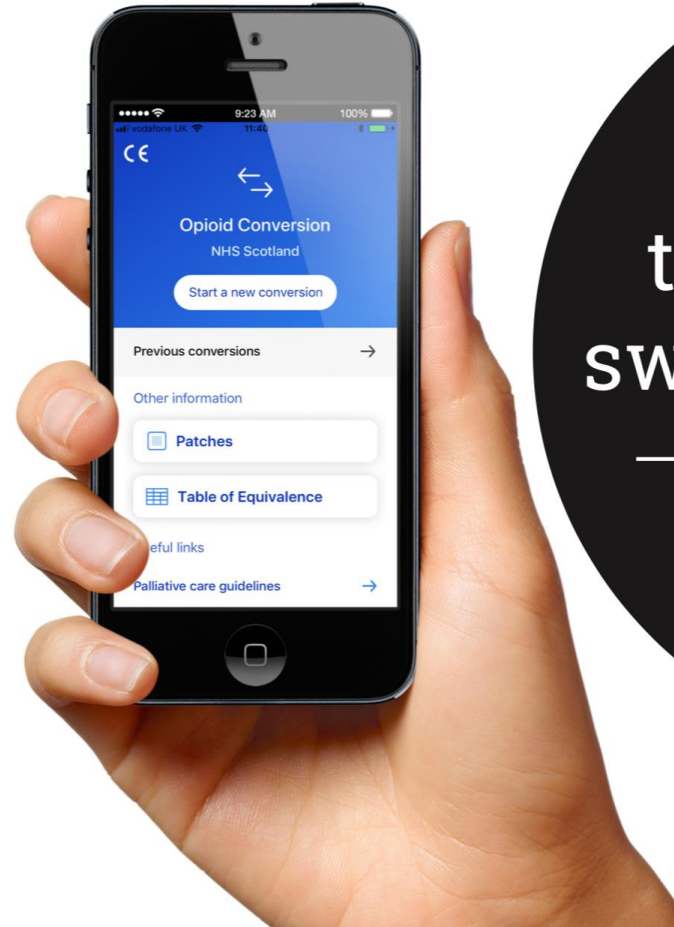
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The app was created by a doctor in light of his own experience of prescribing pain relief

SPOT user feedback

- Advanced Nurse Practitioner with GP OOH (BECS) -
“SPOT is an ideal resource for our team.”
- FY1 General Surgery -
“Just what we need – especially on a night shift”
- NHS Borders Outreach ANP -
“I like the fact that it doesn’t take away your clinical decision making”



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