

# silhouette™

## Clinical and Business Rationale for Silhouette System

### Strategic Rationale

The Silhouette system supports key quality priorities for the NHS Strategic Plan:

**Patient Safety** – better informed care team responding faster to patients' clinical needs

**Patient Outcomes** – transparency of quantified wound healing outcomes for the first time

**Patient Experience** – digital wound images and healing graph engages patients positively

### Clinical and Business Rationale

The Silhouette system (ARANZ Medical) presents an immediate opportunity to deliver improved clinical practice and effective patient management based on the deployment of an innovative electronic wound assessment and information management system.

The Silhouette system capability supports the following transformation, as part of a clinical and cost improvement plan:

**1) Improved clinical practice effectiveness and efficiency:** accurate wound assessments are essential to deciding the right treatment plans along the care journey and achieving optimal patient safety, outcomes and experience.

The transformation opportunity is that organisations can shift wound assessment from manual, visual inspection assessment with hard copy notes to digital wound imaging, automated wound measurement, electronic wound assessment notes, automated wound healing monitoring with electronic reporting, analysis and health informatics. The imaging, measurement and assessment are non-contact, making the method highly suitable for wound management where infection risk management is crucial.

Silhouette serves to support more effective and efficient clinical practice compared to traditional approaches used in wound care practice today.

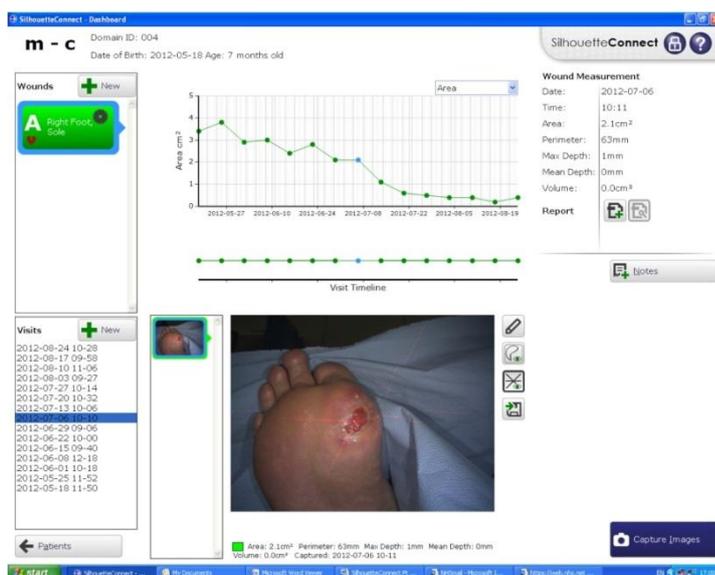
**2) Increased clarity on wound outcomes data:** embedding electronic wound assessment and information management capability within the wound management service infrastructure will provide the clinical team with high quality, quantitative data on wound outcomes achieved. This supports transparency and clarity on wound outcomes metrics for different treatment regimens.

**3) Addressing hidden costs and productivity losses in wound management pathways:** wound assessment practice has been constrained in the past by cumbersome and unreliable tools. With the availability of Silhouette technology for digital wound assessment, wound healing monitoring, data management and reporting, organisations are able to address hidden costs and productivity losses associated with traditional wound assessment practice and paper-based data capture. Some of the areas that organisations can target for improvement and capability building include:

- Efficient patient care based on right information at right time for care team
- Productivity gains through paperless data capture and data management
- Productivity gains with more efficient work flow around MDT management of patients
- Faster treatment review as earlier alert of patients not responding to treatment as expected
- Optimisation of out-patient appointments and hospital admissions
- Management of length of stay through optimal wound healing and robust discharge plan which ensures continuity of care in community
- Management of staff capacity and skills

**4) Effective clinical governance and risk management:** Silhouette supports generation and efficient management of electronic wound images, wound healing progress data, wound assessment data and treatment planning notes, together with patient wound assessment reports (PDF format). This wound data management capability provides high quality documentation and evidence of provision of care, clinical practice and outcomes to support the organisation in clinical governance and risk management.

**5) Telehealth and service innovation capability:** at the heart of the Silhouette system is a secure, web-enabled information platform, the SilhouetteCentral database, which can be accessed from multiple locations. This allows organisations to integrate the Silhouette system into a telehealth model of service delivery where patient data can be reviewed and accessed remotely by care teams to support telehealth consultations. This opens up the possibility of leveraging your specialist staff more effectively.



**SilhouetteConnect Patient Dashboard showing wound healing progress chart and measurements for patient with diabetic foot ulcer.**

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