

The Swedish national quality registry for  
hard-to-heal  
leg, foot and pressure ulcers

Updated information December 17, 2018

# Registry of Ulcer Treatment (RUT)



- Leg, foot and pressure ulcers
- 120 parameters
- Registration and follow-up
- Data base for research and comparison
- Best practice & education
- Research network



Approx 9 500 registrations

- Municipalities – 18%
- Primary care - 40%
- Hospital care - 42%

National follow-up 2017

- 73% healed
- 13% deceased
- 3% amputated
- 11% change of care-giver

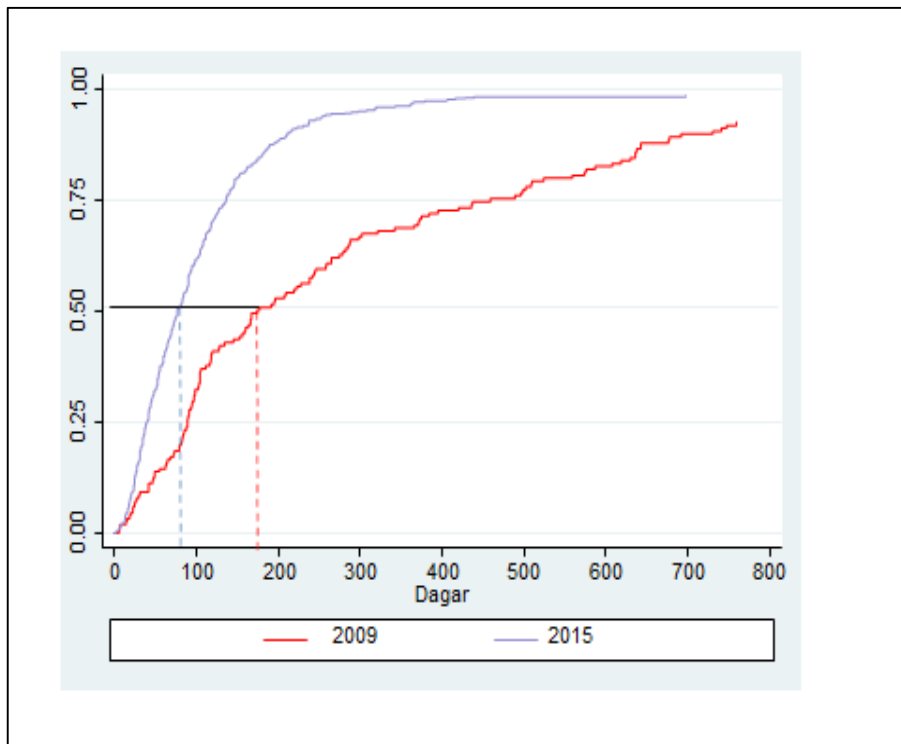


RiksSår is based on experiences from everyday clinical wound management at Blekinge Wound Healing Center

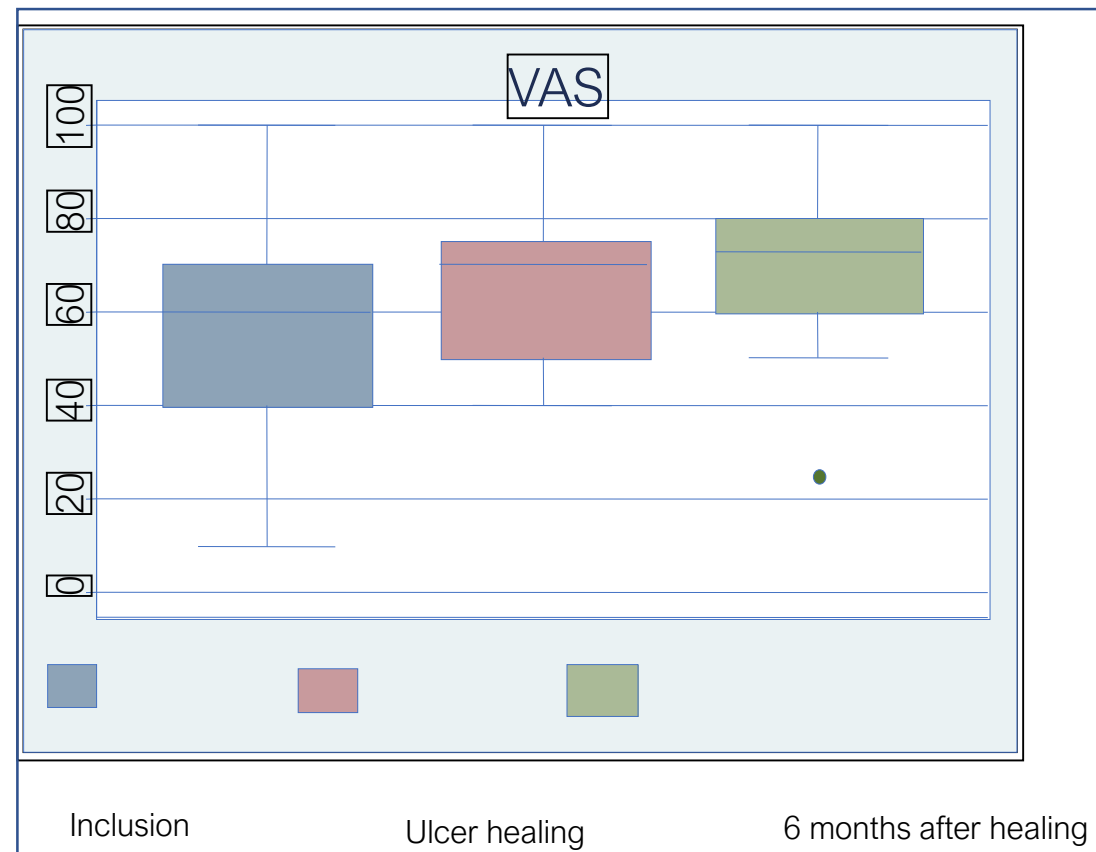
RiksSår was initiated in 2004

Blekinge Wound Healing Center  
County of Blekinge

# Significant reduction of ulcer healing time and improved health related quality of life



Significant reduction of ulcer healing time  
(by 64%) 146 – 53 days



Health related quality of life (EQ-5D)

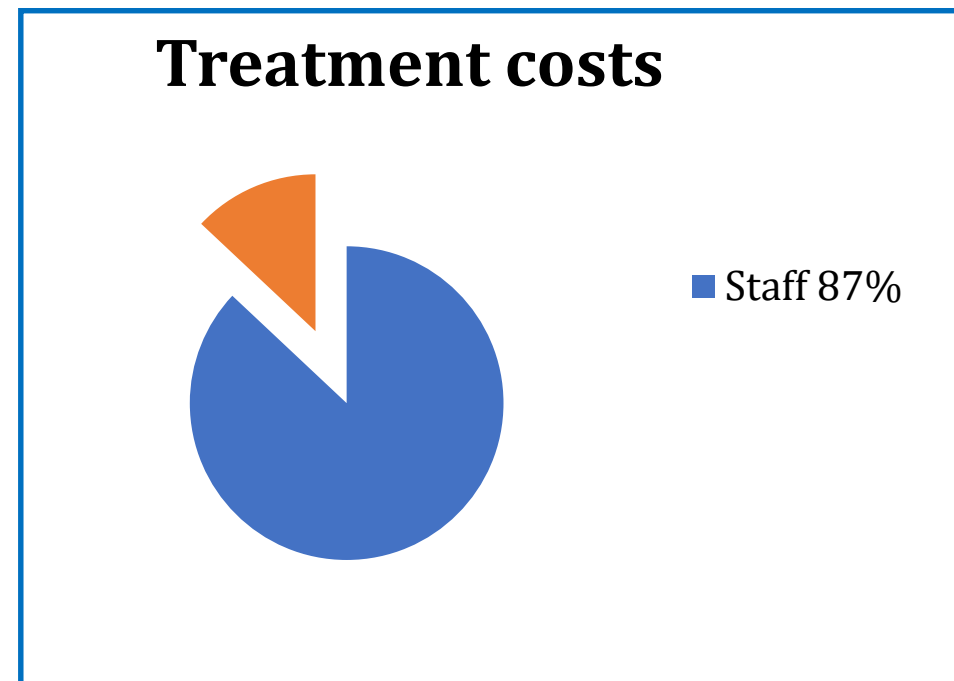
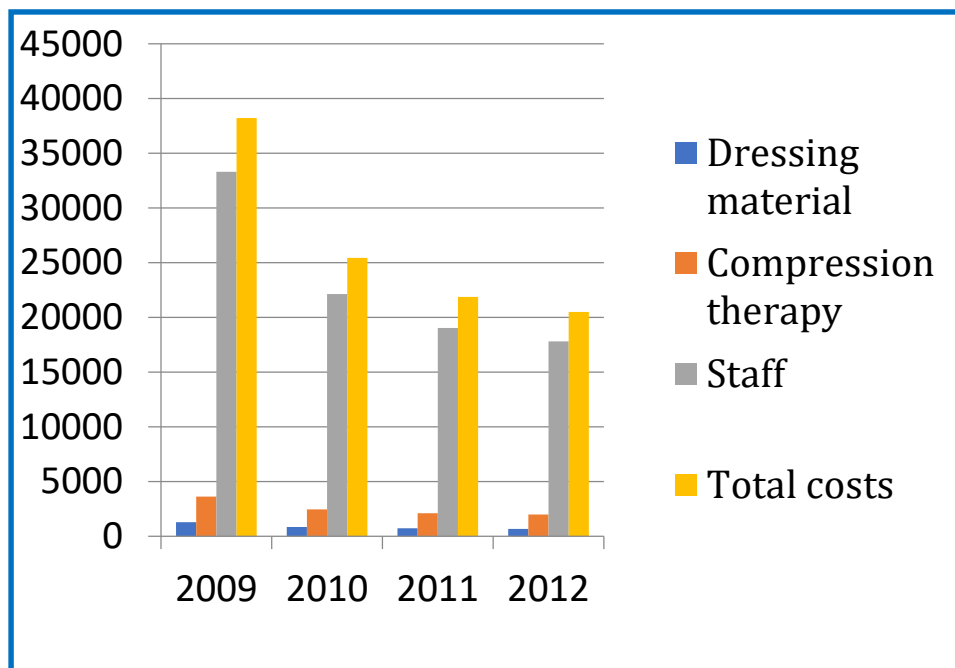
Rut F Öien, Henrik W Forssell. Ulcer healing time and antibiotic treatment before and after the introduction of the Registry of Ulcer Treatment: an improvement project in a national quality registry in Sweden. *BMJ Open* 2013, 3:e003091. doi:10.1136/bmjopen-2013-003091.

RiksSår's annual report 2016

Oien RF, Akesson N, Forssell H. Assessing quality of life in patients with hard-to-heal ulcers using the EQ-5D questionnaire.

*J Wound Care* 2013 Aug;22(8):442-7.

# Significant reduction of treatment costs (by 46%, SEK)



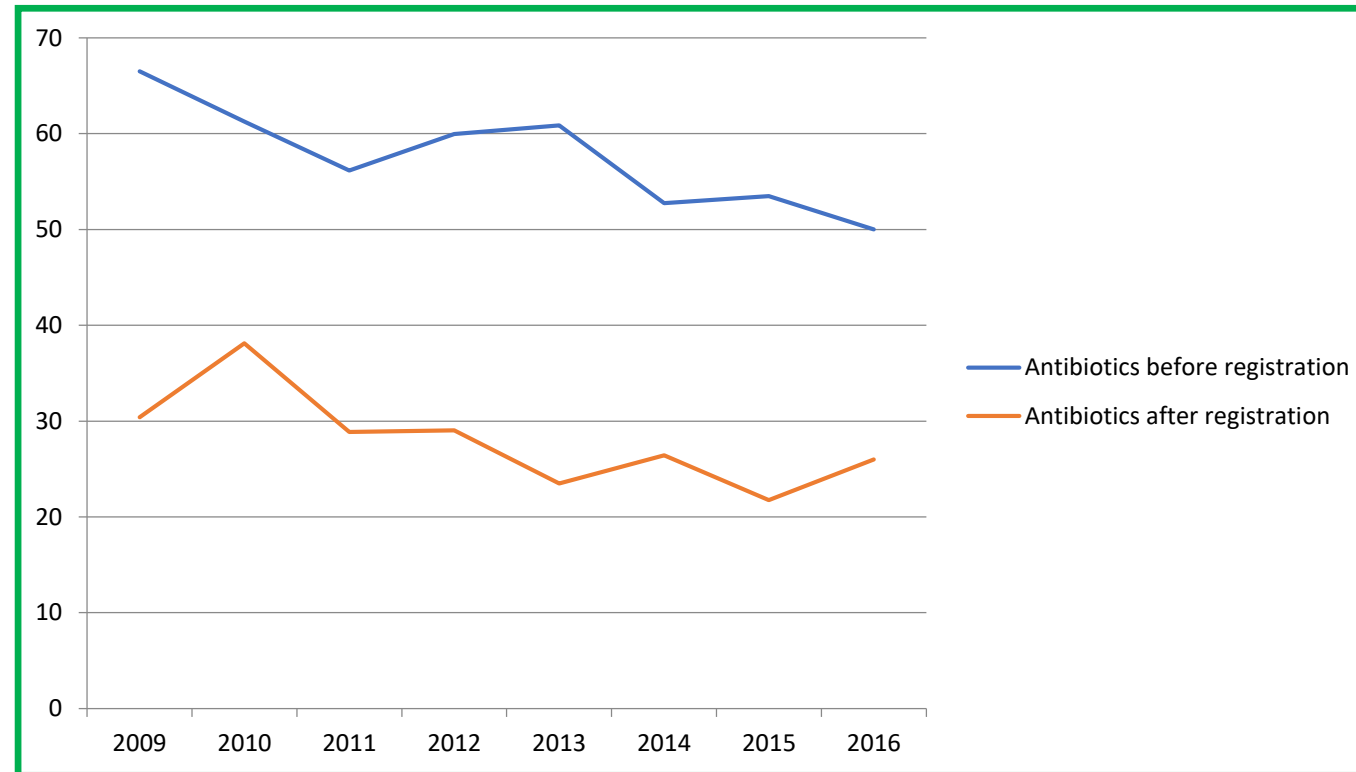
Ref:

Öien RF, Forssell H, Ragnarson Tennvall G. Cost consequences due to reduced ulcer healing times - analyses based on the Swedish Registry of Ulcer Treatment.

*Int Wound J.* 2015 Jun 30. doi: 10.1111/iwj.12465. [Epub ahead of print]

Öien RF. Mall för omhändertagande minskade kostnader för svårläkta sår. *Läkartidningen.* 2015;112:DL7I Lakartidningen.se 2015-07-24

# Antibiotic treatment before and after registration in RiksSår 2009 - 2016



Rut F Öien, Henrik W Forssell. Ulcer healing time and antibiotic treatment before and after the introduction of the Registry of Ulcer Treatment: an improvement project in a national quality registry in Sweden. *BMJ Open* 2013, 3:e003091. doi:10.1136/bmjopen-2013-003091.

RiksSår's annual report 2016

# PhD students using RiksSår data base for register-based research



Hanna Wickström

M.D. Specialist in Family Medicine  
***Telemedicine and wound management***

Ref: Wickström HL, Öien RF, Fagerström C, Anderberg P, Jakobsson U, Midlöv P. Comparing video consultation with inperson assessment for Swedish patients with hard-to-heal ulcers: registry-based studies of healing time and of waiting time. *BMJ Open*. 2018 Feb 15;8(2):e017623. doi: 10.1136/bmjopen-2017-017623



Nina Åkesson

RN, RPN, District Nurse, MSc  
***Antibiotic/antimicrobial treatment***

Ref: Åkesson N. et al., Antibiotic prescription to patients with hard-to-heal ulcers linked to patient-related factors (to be submitted)

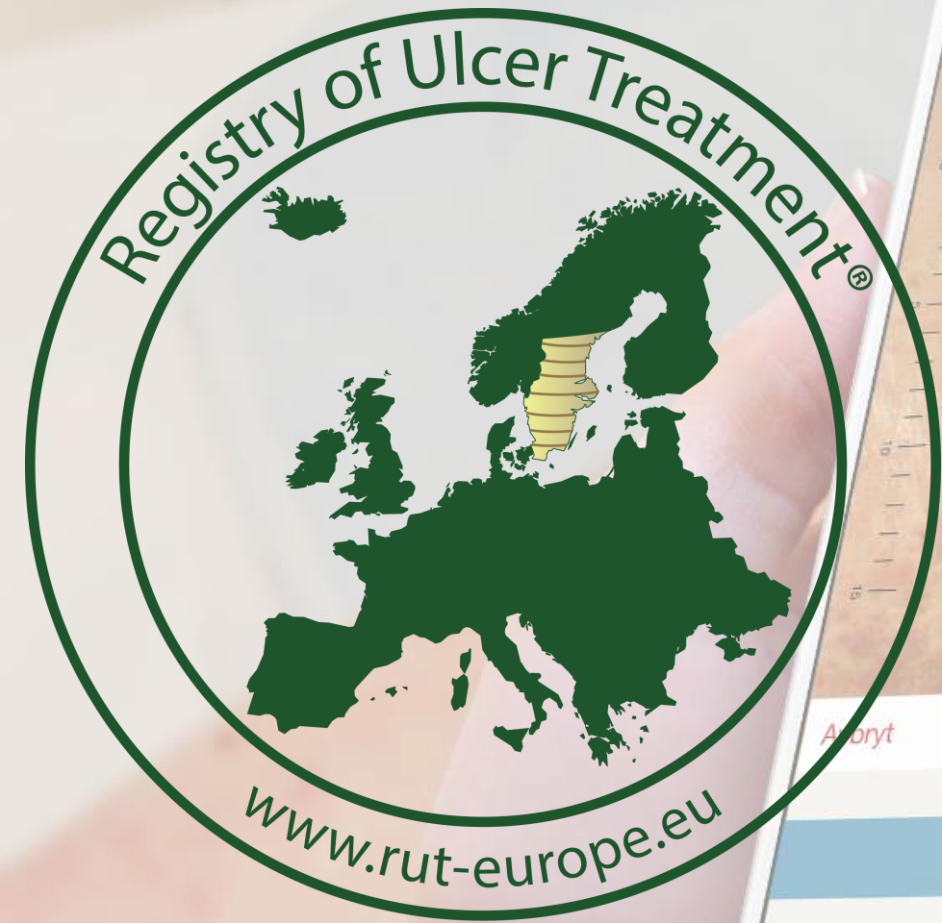


Joakim Niklasson

Occupational therapist, MSc.  
***Patients' involvement in wound management***

Niklasson J et al. The patient – an underexploited resource in the treatment of hard-to-heal ulcers (to be carried out in 2019)



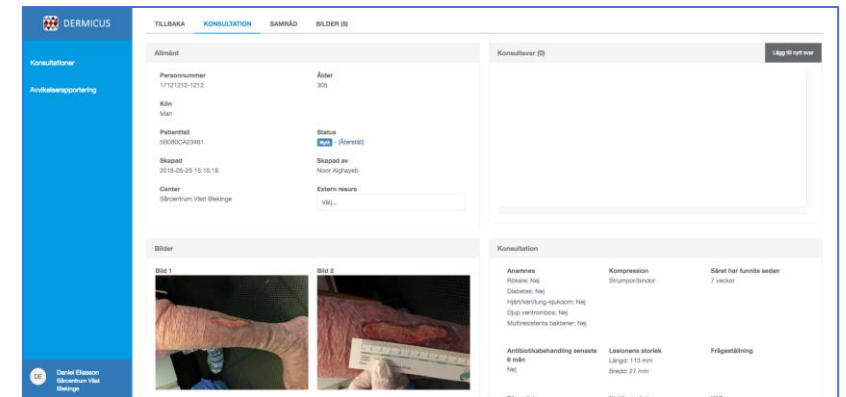


**GNOSCO**



# Digital Decision Support System

- To be used during treatment
- CE-certified platform & mobile app
- Easy and secure way of collect data & photos
- Educational features
- Facilitates multidisciplinary collaboration
- Platform for Center of Excellence



# DERMICUS

Secure and fast diagnosis for skin lesions

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DERMICUS is a CE-certified digital decision support platform for secure and fast diagnosis of skin lesions and wounds.

