

Think, Plan, Do!


Prof. Judith Tanner, De Montfort University, UK

Broadcast live from the 2012 conference of the Infection Prevention Society (www.ips.uk.net)

Think, plan ... do !

Professor Judith Tanner
Chair of Clinical Nursing Research

THE E.M. COTTRELL LECTURE



ips Infection Prevention Society

Infection Prevention 2012
1-3 October 2012
ACC, Liverpool

www.infectionpreventionconference.org.uk

www.webbertraining.com October 1, 2012

SSI surveillance pilot 2008

- 5 month pilot
- Colorectal surgery
- Breast surgery
- Surveillance nurse
- SSI Definition
- Post discharge surveillance – patient follow up calls at days 10, 20 and 30

Surveillance Pilot

Colorectal

SSIs 27 % (29/105)

Breast

SSIs 10% (16/159)

Outcomes – Changes to Practice

- CQUIN targets
- Trust wide surveillance programme
- Revision of pre-op patient information leaflets
- Smoking cessation project
- Overhaul of seroma clinic
- Vacuum dressings – PCT liaison
- Publications / conferences / study days/ visits

Cost of infections

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SSI Care Bundle

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SSI Care Bundle

- DH SSI High Impact Interventions
- 6 months : July – December 2011
- Cardiac surgery
- Large bowel surgery
- Outcomes - SSI rates
- compliance

Colorectal patients

Compliance with Bundle	Number of patients	Overall SSI	Deep SSI	Superficial SSI
18%	1	0 (29%)	0	0
33%	21	4 (19%)	1	3
44%	24	5 (20%)	1	4
56%	30	9 (30%)	3	6
67%	44	13 (29%)	7	6
78%	29	13 (44%)	4	9
89%	15	1 (6%)	0	1
100%	5	1 (20%)	1	0

Rapid surveillance feedback



Pre-operative warming

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Pre operative warming - colorectal

NO PRE OP WARMING

<u>SSI</u>	<u>Superficial SSI</u>	<u>Deep SSI</u>
34% (41/121)	22% (27/121)	12% (14/121)

PRE OP WARMED

<u>SSI</u>	<u>Superficial SSI</u>	<u>Deep SSI</u>
10% (3/30)	0% (0/30)	10% (3/30)

Pre operative warming - colorectal

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SSI surveillance methods survey 2012

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<u>Data collected</u>	<u>No. of Trusts</u>
In-patient data only	10/107
In-patient and readmission only	23/107
In-patient, readmission and post discharge	67/107

30 Trusts did not send all data to HPA

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- 30 Trusts did not send all data to HPA
- Did not send post discharge data
 - Only sent mandatory data
 - Sent only 3 months data from continuous data

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“Apples and oranges”

- 10% - in patient only data
- 10% - did not report superficial SSI data
- 10% - did not use HPA SSI definition
- Several different data collection methods used

High quality post discharge surveillance SSI rates

	High Quality Surveillance
Hip 2010	1.3% (9 trusts)
Hip 2011	1.6% (11 trusts)

HPA Hip SSI rate 2010/2011 – **0.8%**

High quality post discharge surveillance SSI rates

	High Quality Surveillance
Knee 2010	3.4% (6 trusts)
Knee 2011	3.5% (13 trusts)

HPA Knee SSI rate 2010/2011 – **0.6%**

Patients’ experience of SSI

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Patients’ experience of SSIs

- Interviews with 17 patients with deep SSIs
- Cardiothoracic, orthopaedic, colorectal, C. Section

Funded by the Infection Prevention Society

Patients’ awareness SSIs

9/17 patients did not know they had an SSI

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Patients' experience

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Patients' experience

"I can't cope, I can't cope. I just can't do this."
Participant 5

"There was a stage when I just wanted to die."
Participant 13

"I was in utter despair."
Participant 1

Financial cost to the patient

"My partner had to get a job or we wouldn't have been able to pay the mortgage"
Participant 5

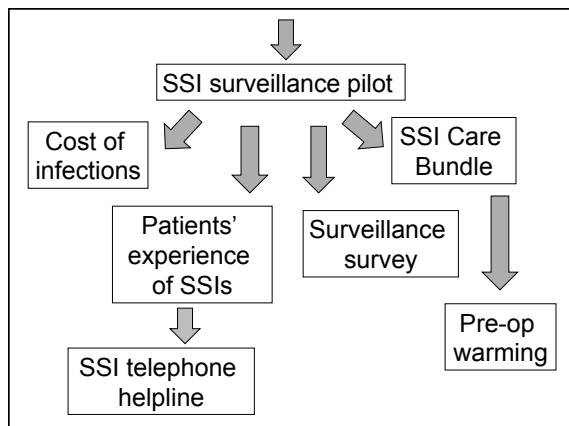
Lack of support post discharge

"It's frightening when you come home and there is nobody."
Participant 13

"You don't know who to ring. I didn't know what to do."
Participant 5

Telephone helpline to support patients with SSIs in primary care

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02 October (FREE ... WHO Teleclass – Europe) The Role of Education in Low and Middle Income Countries
Speaker: Prof. Shaheen Mehtar, Stellenbosch University, South Africa
Sponsored by WHO First Global Patient Safety Challenge – Clean Care is Safer Care

03 October (FREE ... Broadcast live from the IPS conference) A Personal View on Infection Prevention
Speaker: Prof. Andreas Voss, Radboud University, The Netherlands
Sponsored by the Infection Prevention Society (www.ips.uk.net)

11 October Evaluating Chlorhexidine Baths for the Prevention of Central Line Associated Bloodstream Infections (CLABSIs)
Speaker: Prof. Silvia Munoz-Price, University of Miami Miller School of Medicine
Sponsored by Sage Products Inc (www.sageproducts.com)

18 October (South Pacific Teleclass) Meningococcal Disease and the New Zealand Experience - Where to From Here
Speaker: Dr Tony Walls, University of Otago, New Zealand

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