

« Enjeux et priorités dans le contexte mouvant de la recherche en sciences infirmières »

Assemblée des membres 2014

Réseau de recherche en interventions
en sciences infirmières du Québec



Quebec Nursing Intervention
Research Network

Members' Assembly 2014

"Challenges and priorities in the changing context of nursing research"

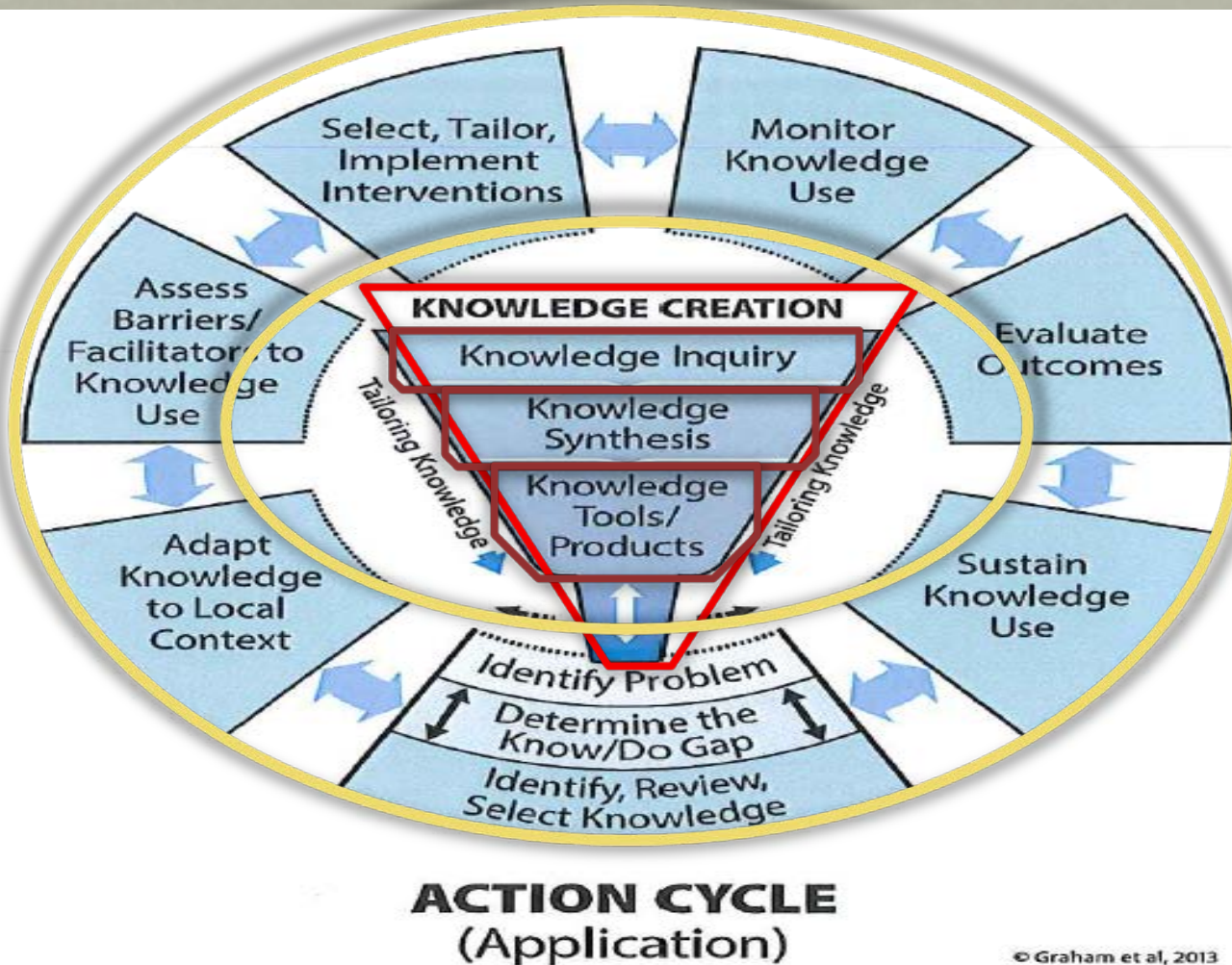
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McGill Faculty Club, 3450 McTavish Street, Montréal, Québec H3A 0E5, Ballroom



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KNOWLEDGE TO ACTION FRAMEWORK



IMPLEMENTATION OF CLINICAL PRACTICE STANDARDS FOR THE SAFE ADMINISTRATION OF CHEMOTHERAPY ON NON-ONCOLOGY / HEMATOLOGY UNITS



Virginia Lee, N, PhD

Luisa Luciani Castiglia, N, MScA, CON(C)

Louise Fullerton, N, MScA

Sonia Castiglione, N, MScA

Myriam Skrutkowski, N, MSc, CON(C)

THE MCGILL UNIVERSITY HOSPITAL CENTRE



CURRENT CONTEXT

**The majority of chemotherapy is
given in out-patient oncology
settings**



CURRENT CONTEXT

**However, approximately 1/3 of
chemotherapy treatments
are given outside of oncology
settings.**



CHEMOTHERAPY IN NON-ONCOLOGY SETTINGS

High risk activity

- Clinicians require specific knowledge and skills
- Systems policies are needed to promote safety

(ASCO/ONS, 2009, 2012, 2013; CANO/ACIO, 2011; DQC, 2012)



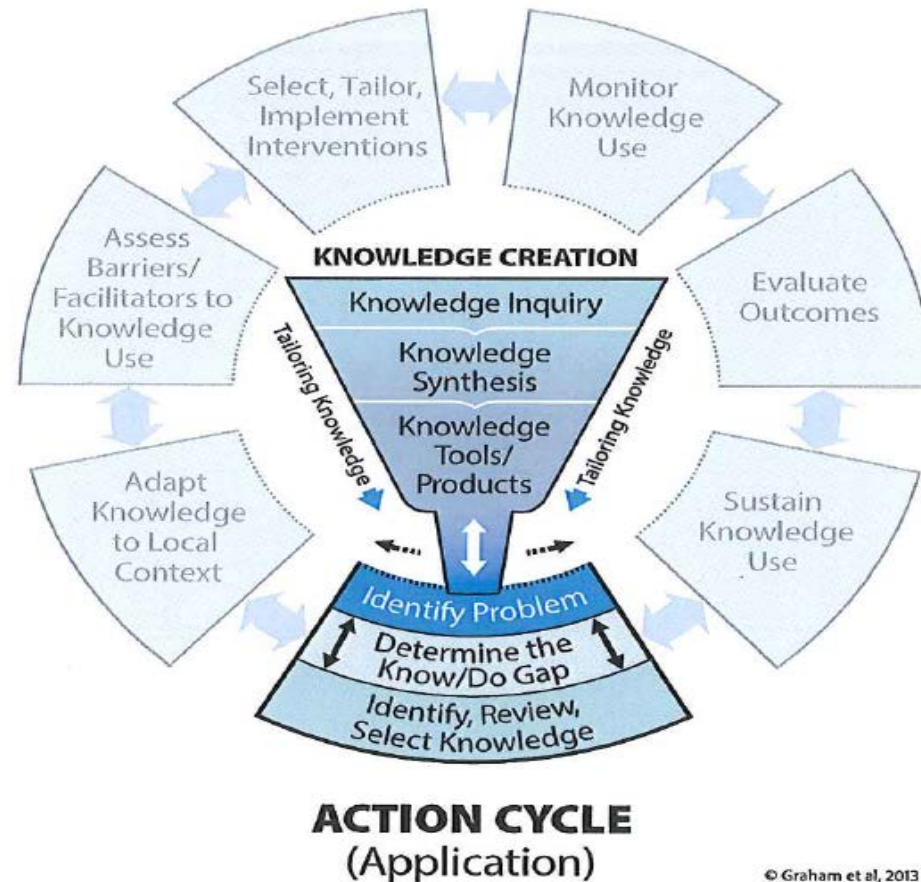
CHEMOTHERAPY IN NON-ONCOLOGY SETTINGS

Low frequency activity

- Difficult for generalist nurses to develop and maintain competence, to plan and coordinate care



Identify the problem
select the knowledge
determine 'know-do' gap



OBJECTIVE

- The objective of this study was to tailor implementation strategies to enable and ensure that non-oncology nurses acquire and practice according to same best practice standards for the safe administration of chemotherapy

INTEGRATED KNOWLEDGE TRANSLATION APPROACH



1. To adapt the knowledge to local context by exploring the experience of nurses who administer chemotherapy on non-oncology units



2. To identify barriers and facilitators to applying best practice recommendations for chemotherapy administration outside of oncology settings.



3. To select, tailor, and implement strategies for safe chemotherapy administration and care of patients on non-oncology units



1. To adapt the knowledge to local context Survey method

Nous voulons connaître votre opinion!
Bref sondage
An English version will follow on the next page

Étude exploratoire sur le travail des infirmières administrant la chimiothérapie – Unités médicales ou chirurgicales

Le présent sondage fait partie d'un projet de recherche plus vaste au sein du Centre universitaire de santé McGill. On vous demande de participer à cette partie de l'étude, car vous travaillez dans un domaine de pratique non relié à l'oncologie où des patients atteints d'un cancer reçoivent des traitements de chimiothérapie.

Cette partie de l'étude comprend un bref sondage anonyme. L'objectif est de comprendre les problèmes pouvant exister et de trouver des stratégies pour s'assurer que les patients qui ont reçu un diagnostic de cancer et reçoivent une chimiothérapie dans une unité non spécialisée en oncologie, ont accès aux meilleures pratiques relatives à la chimiothérapie.

Ce sondage s'adresse à toutes les infirmières soignantes des unités médicales ou chirurgicales qui ont administré une chimiothérapie au moins une fois. Il s'agit d'une étude exploratoire des différents facteurs qui influencent l'expérience des infirmières qui administrent une chimiothérapie dans une unité non spécialisée en oncologie (p. ex. la formation, l'expérience, les inquiétudes, les solutions, etc.). Cela prendra environ 15 à 20 minutes pour remplir ce questionnaire.

En répondant au présent sondage, vous donnez implicitement votre consentement. Il est possible que l'on vous demande de participer à un groupe de réflexion plus tard, mais vous n'êtes pas tenues d'y participer même si vous avez répondu au présent sondage.

Veuillez retourner le questionnaire dans l'enveloppe préadressée et affranchie.

Votre expérience est importante.
Merci de votre contribution à cette étude!

Pour obtenir de plus amples renseignements sur cette étude, veuillez communiquer avec
Virginia Lee, inf., Ph.D.
MUHCnursingresearch@gmail.com

Note sur le français : Pour des raisons de concision, la forme féminine englobe la forme masculine, lorsque le contexte s'y prête.

We want to hear from you!
Brief Survey
Exploring the Work of Nurses who Administer Chemotherapy on Medical or Surgical Units

This survey is part of a larger research project taking place within the McGill University Health Centre. You are being asked to participate in this part of the research project because you work in a non-oncology setting where chemotherapy treatment may be administered to cancer patients.

This part of the study involves a brief survey to be completed anonymously. The purpose of this survey is to understand the issues and identify strategies to ensure the delivery of best practice to patients with a cancer diagnosis who are receiving chemotherapy in non-oncology settings.

The survey applies to all staff nurses on medical or surgical units who have administered chemotherapy at least once in the past. This survey explores the different factors influencing the experience of nurses who administer chemotherapy on non-oncology units (e.g. education, experience, worries, solutions, etc...). The questionnaire will take approximately 15 to 20 minutes to complete.

By completing the attached survey, consent is implied. There is the possibility of being invited to attend a focus group at a later date but there is no obligation to attend the focus group if you agree to complete this survey.

Please return the survey using the stamped pre-addressed envelope provided.

Your experience matters.
Thank you for contributing to this study!

For more information about the study, please contact
Virginia Lee, N., Ph.D.
MUHCnursingresearch@gmail.com

ARRISQ/Offservice CTX Survey Version 10.2 Sep17, 2014

Adaptation of Verity survey



Section B: Formation/Education

5. Qualifications professionnelles (cochez tout ce qui s'applique)/Professional qualifications (please tick all that apply):

	Obtenu/Obtained	En cours/Currently undertaking
a. DEC en soins infirmiers/ DEC in nursing	<input type="checkbox"/> 1	<input type="checkbox"/> 2
b. B.Sc. en sciences infirmières ou baccalauréat en soins infirmiers / BSc. or Bachelor in Nursing	<input type="checkbox"/> 1	<input type="checkbox"/> 2
c. M.Sc. en sciences infirmières ou maîtrise (MSc. or MSc.(A) in nursing)	<input type="checkbox"/> 1	<input type="checkbox"/> 2
d. Formation en oncologie/CNA en soins infirmiers (Any other qualifications (please specify))	<input type="checkbox"/> 1	<input type="checkbox"/> 2

Si vous êtes infirmière, avez-vous reçu une formation en chimiothérapie?/Since you are a nurse, have you received any teaching on chemotherapy?

- ☐ 1
☐ 2
☐ 3

Pour les questions 7a, 7b, 8a et 8b, si OUI, répondre à la question 7a, 7b, 8a et 8b.

Si NON ou INCERTAIN, aller à la question 9. /IF NO or UNCERTAIN, go to Question 9.

2014

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Exploring the work of nurses who administer chemotherapy

Rebecca Verity^{a,*}, Theresa Wiseman^a, Emma Ream^a, Emma Teasdale^b, Alison Richardson^a

^aKing's College London, Florence Nightingale School of Nursing & Midwifery, James Clerk Maxwell Building, 57 Waterloo Road, London SE1 8WA, UK
^bKing's College London, Cancer Research UK London Psychosocial Group, Institute of Psychiatry, London, UK

KEYWORDS

Cytotoxic;
Oncology nurses;
Chemotherapy;
Education;

Summary

There is little research exploring nurses' experiences of, and attitudes towards, the chemotherapy administration process. There is also limited work investigating practitioners' educational preparation for this aspect of cancer nursing. The aim of this study was to describe nurses' experiences, attitudes and educational preparation for the



Survey – Preliminary results

- Target Sample : N= 86 nurses • Response rate (2 wks): 21 / 86 (24% RR)
- Have administered IV chemotherapy at least once in past
 - Site : MGH n=11
 - RVH n= 6
- 3 medical and 3 surgical adult inpatient units
 - Unit: Medicine n=12
 - Surgical n=6
- Experience as RN: 2 -28 yrs
- Experience with chemo admin:
- 6 mths – 26 years



Survey - Preliminary results

Education preparation

- 15 /18 (83%) received chemotherapy-related education since graduation

Amount:

6-10 hrs (n=9)

Less than 1 hour (n=4)

Format:

Workshop (n=6)

in-service (n=1)

informal(n=1)

self-learning (n=1)



Survey - Preliminary results

Education received (N=19)

Topic	(n)
Safe practice (eg. Independent double check)	14
Safe handling of cytotoxics	13
Extravasation	12
Management of chemotherapy side-effects	11
Management of hypersensitivity reactions	8
Psychosocial support to pts/fx	8
Patient education around chemotherapy	6



Survey - Preliminary results Education (N=19)

Would like more education about...	(n)
Management of hypersensitivity reactions	18
Extravasation	17
Management of chemotherapy side-effects	
Patient education around chemotherapy	
Psychosocial support to pts/fx	
Safe practices (eg. Independent double check Safe handling of cytotoxics)	14

Always worried about	n
Extravasation	12
Handling chemotherapy spills	11
Handling cytotoxic drugs ; Risk of exposure to self	9
Understanding chemotherapy prescriptions/ protocols ; Treatment side effects ; Education/knowledge deficits of other nursing staff	8
Patient hypersensitivity ; Giving information about side effects;	7
Disposal of cytotoxics	6
Supporting the patient emotionally	4
Supporting the relatives emotionally	4
Patient distress about their treatment	3



2. To assess barriers / facilitators to knowledge use Focus groups

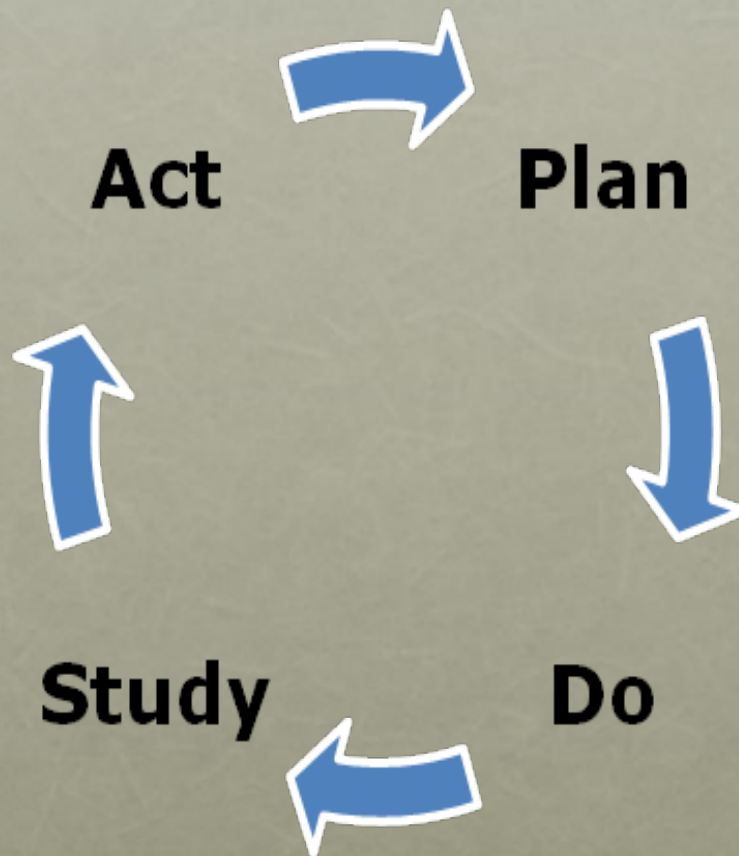


To gain in-depth information into barriers and facilitators; develop tailored strategies to support best practice

- N=10-24 nurses
- 5-6 nurses in each focus group
- Audio-recorded

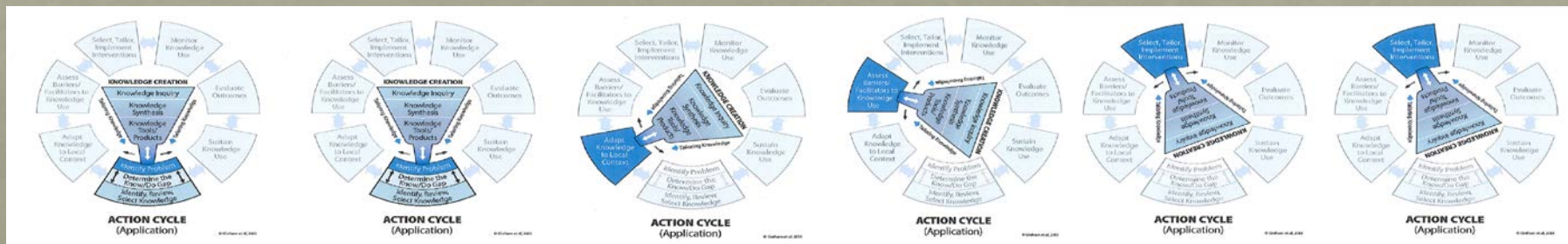
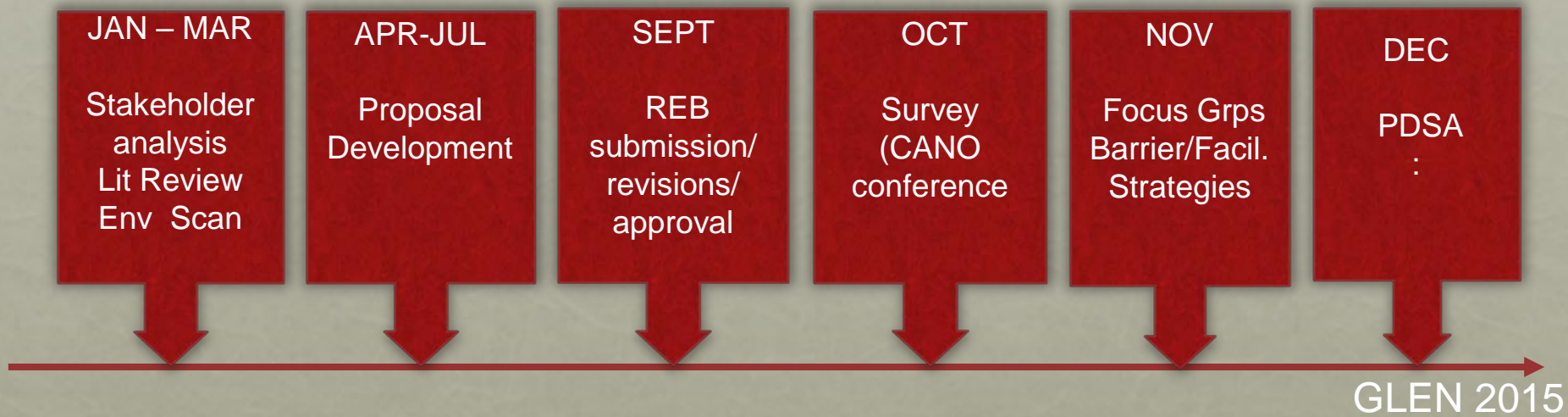


3. To select , tailor and implement strategies PDSA cycle

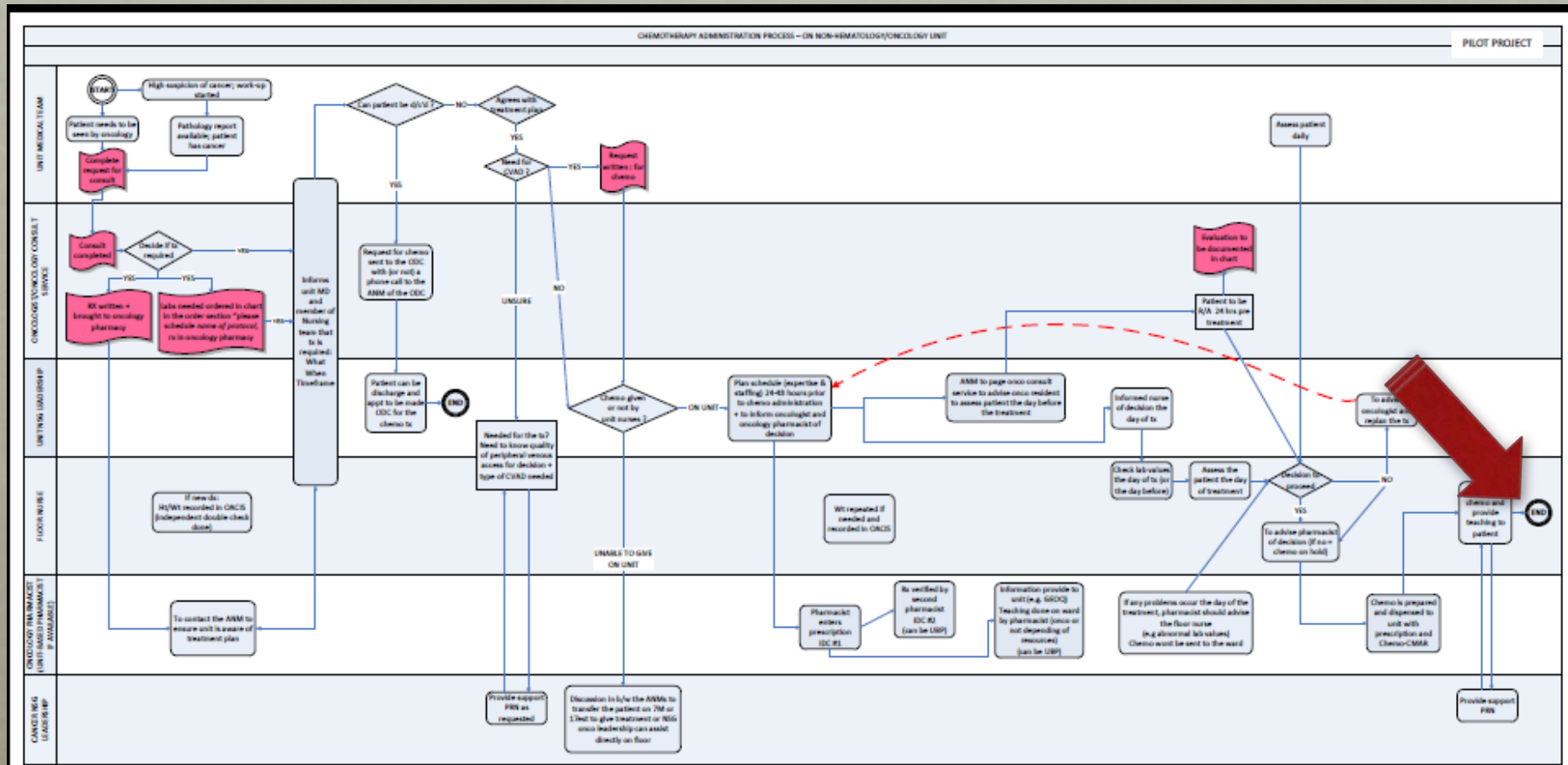


- Small scale so as not to disturb the entire system N=4 nurses
- Helps to identify intended and unintended consequences
- Engages and elicits feedback from the stakeholder (staff nurses) , which supports implementation and sustainability of changes
- Continuous testing and refinement of the strategies builds confidence and belief that improvement is possible

Timeline



SUPPLEMENTS ONGOING QUALITY IMPROVEMENT PROJECT



Future projects

- To explore processes and clinical practice in relation to oral chemotherapy
- To consider a future study to explore the experience of nurses in oncology
- To promote patient engagement through active participation in future QI projects related to chemotherapy administration