

Supplementary File 4: Template for Extraction of Process and Outcome Domains¹

PROCESS DOMAINS	Implementation Issues
PROCESS SUB-DOMAINS	<ul style="list-style-type: none"> • Barriers • Facilitators • Challenges

OUTCOME DOMAINS	Patient and family outcomes	Quality of care outcomes	Healthcare provider and stakeholder outcomes	Healthcare use and cost	Organisation, professional and workforce issues
OUTCOME SUB-DOMAINS	<ul style="list-style-type: none"> • Health status • Health behaviours • Perceptions and experiences of healthcare 	<ul style="list-style-type: none"> • Access to care • Patient safety • Processes of care 	<ul style="list-style-type: none"> • Healthcare team performance • Acceptance of, and satisfaction with role • Role support • Job satisfaction 	<ul style="list-style-type: none"> • Cost avoidance and savings • Use of healthcare services • Revenue generation • Admission rates • Length of hospital stay 	<ul style="list-style-type: none"> • Staff recruitment and retention • Career progression • Autonomy • Identity • Continuous professional development

¹ Adapted from: Bryant-Lukosius D, Spichiger E, Martin J, Stoll H, Kellerhals SD, Fliedner M, et al. Framework for evaluating the impact of advanced practice nursing roles. *Journal of Nursing Scholarship* 2016;48(2):201-09.

Sub-sub domains within two of the main outcome domains (the others do not currently have any pre-specified sub-sub domains)

Patient and Family Outcomes	Examples of pre-specified sub-sub Domains
Health Status	<ul style="list-style-type: none"> • quality of life • symptom control • physical and mental health • morbidity • functional ability (e.g., perform activities of daily living) • disease specific indicators
Health behaviours	<ul style="list-style-type: none"> • self-management/self-efficacy • knowledge and skills • adherence • life style, involvement in healthcare decision-making
Perceptions and experience of healthcare	<ul style="list-style-type: none"> • satisfaction with care • patient-centredness • preferences • safety

Quality of Care	Examples of pre-specified sub-sub Domains
Patient safety	<ul style="list-style-type: none"> • adverse events • complication rates
Processes of care	<ul style="list-style-type: none"> • appropriateness • medication use • continuity of care • care coordination • adherence to best practices
Access to care	<ul style="list-style-type: none"> • timeliness • responsiveness • equity