



PREHABILITATION TOOLKIT

This toolkit includes primary drivers and change ideas which may be used for surgical patient prehabilitation.



Watch Video
BC Surgical
Prehabilitation
Overview

TOOLKIT **OBJECTIVE**

To improve patients' surgical outcomes and experiences through mental and physical preparation prior to surgery.

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WELCOME

Welcome to the BC Surgical Prehabilitation Toolkit.

This toolkit was created by the BC Surgical Optimization
Working Group and vetted by 15 provincial sites involved
in the Surgical Patient Optimization Collaborative (SPOC).

SPOC is a provincial collaborative, bringing care teams from
across the province together in the pursuit of improving
patients' readiness for elective surgery.

Introduction to the Surgical Patient Optimization Collaborative (SPOC)

Background

After successful implementation of the Enhanced Recovery After Surgery (ERAS) Collaborative, a Doctors of BC and Specialist Services Committee initiative that aimed to improve outcomes for elective colorectal surgery patients in 2015-16, there was widespread specialist interest in continuing to improve surgical patient outcomes across different types of surgery. This impetus, along with literature highlighting the significant impact prehabilitation can have on improving patients' surgical outcomes, led to the initiation of the Surgical Patient Optimization Collaborative (SPOC) launched in May of 2019.

The Collaborative

In May 2019 SPOC launched in 15 sites across the province, providing system change strategies, funding support, and shared learning to interdisciplinary teams. Quarterly learning sessions provided support as the teams worked to implement process changes based on this toolkit.

Surgical patient optimization is a multidisciplinary, structured, and personalized prehabilitation program designed to assist patients in preparing for surgery.

Prehabilitation before major surgery can lead to a faster recovery, better patient experiences and outcomes, and savings for the health care system. Best practices for surgical prehabilitation focus on both mental and physical aspects of surgery by decreasing presurgical risk factors and increasing a patient's functional capacity. Surgical Patient Optimization Collaborative [SPOC] improves the experience for surgical patient's by:

- Using a patient-centered and multidisciplinary approach
- Supporting care providers to implement change processes
- Using preoperative surgical wait times
- Integrating available community resources
- Improving patient outcomes

The Toolkit

This change toolkit is organized in a series of drivers that are important when prehabilitating patients for surgery. There are four primary drivers:

- 1. Activate patients in their own care;
- 2. Implement clinical tools to prehabilitate patients prior to surgery;
- 3. Introduce a refined process to allow for surgical prehabilitation, and;
- 4. Improve the spread and sustainability of effected change.

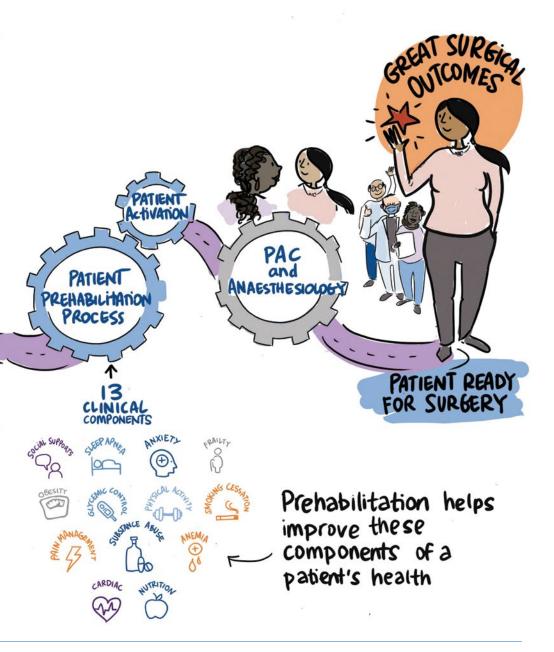
Scope

This toolkit includes primary drivers and change ideas that may prove useful for health care providers looking to prehabilitate patients before surgery. This toolkit is not meant to dictate the practice of clinicians, rather to provide options that are available to both providers and patients throughout British Columbia. Clinicians are encouraged to use the toolkit at their own discretion based on the best interest of the patient.

PATIENT SURGICAL PREHABILITATION JOURNEY

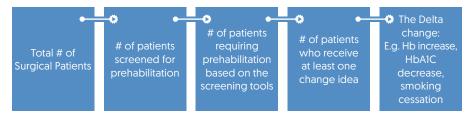
Aim: To improve patients' surgical outcomes by optimizing their mental and physical health before surgery.





Prehabilitation Performance Indicators

The following measures can be used as indicators to alert a team of any improvement that may be needed in the process of prehabilitation.



Post-operative patient outcomes should be recorded when optimizing patients for surgery (Appendix A)

Family and Caregiver Partners

Patient partners such as family members or other caregivers should be included as part of the prehabilitation team. To effectively involve patient partners in the prehabilitation process, the language, culture, and health literacy of both the patient and their partners should be considered.

The desired outcomes of both the patient and the patient partner should be considered when making decisions about surgery. This includes, but is not limited to, how much they would like to know about the process, what to expect from surgery, and what they expect their condition to be like after surgery.

The patient passport can be shared with the patient partner to facilitate their involvement in the prehabilitation process.

Adapted from Agency for Clinical Innovation | The Perioperative Toolkit

Implementing the Toolkit

For best chances of success in implementing the changes in this toolkit there must be appropriate planning of objectives, team member roles, and milestones. Communication with all relevant parties about the plan and the reason for implementing the toolkit will also increase the chances of success with patient prehabilitation. Finally, assessment of the process through objective and subjective measures allows for improvement of the process and can help lead to lasting change.

Adapted from Agency for Clinical Innovation | The Perioperative Toolkit[†]

Revisions to the Toolkit

This toolkit is a collection of the best practices and knowledge available at the time of development. Any feedback can be directed to the Specialist Services Committee, sscbc@doctorsofbc.ca and appropriate changes will be made to the best ability of the development team.

KEY DEFINITIONS

Primary Drivers

Areas of focus identified from literature which need to be addressed to create change.

Patient Activation

A patient's understanding, ability and willingness to manage and be involved in their own health and health care.

Clinical Components

The aspects of a patient's health that can affect surgical outcomes.

Optimization

Synonymous with prehabilitation.

Secondary Drivers

Factors that need to be addressed to successfully implement the primary drivers.

Screening Tool

Assessment of a surgical patient to determine whether or not prehabilitation is needed for each clinical component.

Change Ideas

Actionable items that health care providers can use to prehabilitate patients.

Measurement

A measure of whether the patients selected for intervention were successfully prehabilitated.

^{*}www.aci.health.nsw.gov.au/__data/assets/pdf_file/0010/342685/The_Perioperative_Toolkit.pdf

ACKNOWLEDGMENTS

The BC Surgical Prehabilitation Toolkit was first developed by the Specialist Services Committee of Doctors of BC in 2019, with the support and expertise of all members listed below.

Over countless hours, the following individuals came together as a working group and faculty of experts to create and refine the contents of this toolkit. We thank them for their contribution to BC health care.

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PRIMARY DRIVER

Activate patients in their care

SECONDARY DRIVERS

CLINICAL COMPONENTS

PRIMARY DRIVER

Implement clinical tools to prehabilitate patients prior to surgery

SECONDARY DRIVERS

PROCESS IMPROVEMENT

PRIMARY DRIVER

Introduce a refined process to allow for prehabilitation

SECONDARY DRIVER

S·P·R·E·A·D

PRIMARY DRIVER

Address the human aspects of change, to ensure change endures and is spread widely

SECONDARY DRIVERS

PRIMARY DRIVER

Activate patients in their care

SECONDARY DRIVERS

- Assess patients' level of activation
- Assist patients to self-manage and engage in actions supporting their health and health care
- Implement a Shared Decision-Making process with patients



PATIENT PASSPORT FOR SURGICAL PREHABILITATION

Activate patients in their care

Assess patients' level of activation

Change Ideas

- Understand Health Literacy
- Measure patients' Health Literacy levels (See Appendix B)
- Understand the definition of Patient Activation
- Use a Patient Activation scale in the discussion with your patients to assess their level of activation (See Appendix C)

Appendices

Appendix B · Realm-SF Score Sheet

Appendix C · Patient Activation Measure



Level 1

Disengaged and overwhelmed

Individuals are passive and lack confidence. Knowledge is low, goal-orientation is weak, and adherence is poor. Their perspective: "My doctor is in charge of my health."



Level 2

Becoming aware, but still struggling

Individuals have some knowledge, but large gaps remain. They believe health is largely out of their control, but can set simple goals. Their perspective: "I could be doing more."



Taking action

Individuals have the key facts and are building self-management skills. They strive for best practice behaviors, and are goal-oriented. Their perspective: "I'm part of my health care team."



Level 4

Maintaining behaviors and pushing further

Individuals have adopted new behaviors, but may struggle in times of stress or change. Maintaining a healthy lifestyle is a key focus. Their perspective: "I'm my own advocate."

Increasing Levels of Activation

©2020 Insignia Health. Patient Activation Measure® (PAM®) Survey Levels. All rights reserved.



Assist patients to self-manage and engage in actions supporting their health and health care

Change Ideas

- Educate patients about their health condition, symptoms, surgery and prehabilitation interventions
- Assist patients in tracking symptoms with a symptom diary/tracker (See Appendix D)
- Guide patients on how to track their medications and medical records
- Help patients develop skills to self-manage their health and health care
- Encourage patients to participate in group activities that promote health and wellbeing

Appendices

Appendix D · Diary of Symptoms

Activate patients in their care

Implement a Shared Decision-Making process with patients

Change Ideas

- Initiate a shared decision-making process with patients (See Appendix E)
- Set health care goals with patients (See Appendix F)
- Build a collaborative care plan with patients
- Have patients ask questions about their diagnosis, treatment & support (See Appendix G)
- Identify and action any further opportunities to improve post-surgical management

Appendices

Appendix E · SHARE Approach Model

 $\textbf{Appendix} \ \textbf{F} \cdot \textbf{My Personal Action Plan}$

Appendix G · Ask Me 3

PRIMARY DRIVER

Implement clinical tools to prehabilitate patients prior to surgery

SECONDARY DRIVERS

- Anemia
- Anxiety
- Cardiac
- Frailty
- Glycemic Control
- Nutrition
- Obesity
- Pain Management
- Physical Activity
- Sleep Apnea
- Smoking Cessation
- Social Supports
- Substance Use

LINICAL COMPONENTS







Anemia



Screening Tools

- Hemoglobin closest to surgical decision date (referral hemoglobin)
- Ferritin closest to surgical decision date (referral ferritin)

Change Ideas

- Primary Care Provider for management and investigation of anemia
- Refer to internal medicine or hematology
- Treatment Algorithm for Anemia
 - > Oral Iron
 - > IV Iron
 - > Erythropoietin

Measurements

- Preoperative* Hemoglobin
- Calculate change from referral hemoglobin
- Calculate difference from hemoglobin target

^{*} Ensure appropriate in-hospital and post-operative follow up and care

^{*} post treatment

^{*} as close to surgery date as is feasible

ANEMIA TREATMENT ALGORITHM

High risk: Historic Transfusion Rate of greater than 5-10% Low Risk: Historic Transfusion Rate of less than 5-10% *Ganzoni Formula:

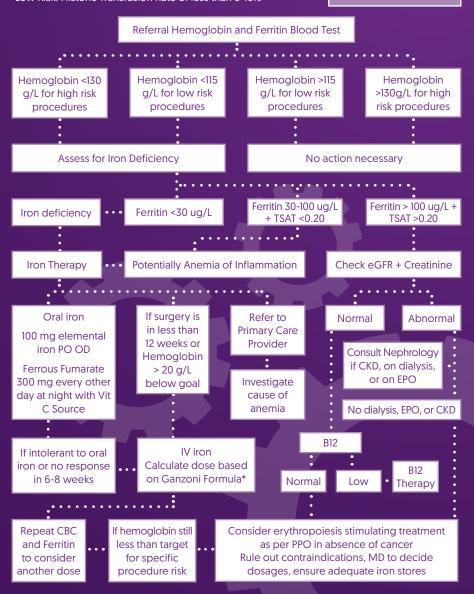
Iron Deficit [mg] =

Patient Weight [kg] x

(target Hgb [g/L] – Actual

Hgb[g/L]) x 2.4 + Iron

Stores [mg]







Anxiety

Watch Video



Screening Tools

• All patients should be optimized for pre-operative anxiety

Change Ideas

- Primary Care Provider assessment for preliminary counselling, coordinating referrals and additional resources
- Psychiatrist/psychologist assessment
- Meditation, mindfulness, or other relaxation practices

- Pre-operative discussion with the patient about upcoming procedure and any related worries
- Workplace wellness programs
- Heretohelp.bc.ca
- BounceBackBC
- anxietycanada.com

Measurements

Patient reported adequate supports in place prior to surgery

^{*} Ensure appropriate in-hospital and post-operative follow up and care







Implement clinical tools to prehabilitate patients prior to surgery

Cardiac



Screening Tools

Revised Cardiac Risk Index

Change Ideas

BNP or NT-proBNP

If pre-operative BNP ≥ 92 ng/L, or NT-proBNP ≥ 300ng/L

OR If no pre-operative BNP or NT-proBNP available but patient has met the criteria for screening

Then Obtain: ECG on arrival in PACU

Troponin on arrival in PACU & on postoperative days 1, 2, and 3

- Primary Care Provider to arrange lab investigations and refer to cardiology if BNP is elevated. Post-op follow up by Primary Care Provider is also warranted.
- Cardiac Treatment algorithm

Measurements

One or more change ideas completed

^{*} Ensure appropriate in-hospital and post-operative follow up and care

CARDIAC ALGORITHM

PATIENTS

Patients age is ≥ 45 yrs, or 18-44 yrs with known significant cardiovascular disease undergoing non-cardiac surgery requiring overnight hospital admission

TIMING OF SURGERY

PREOPERATIVE ASSESSMENT

Elective Surgery

Assessment of pre-operative risk using RCRI

If a patient's age is ≥ 65 yrs, RCRI ≥ 1 or age 45-64 yrs
with significant cardiovascular disease

order NT - proBNP/BNP

Positive NT - proBNP ≥ 300 ng/L or BNP ≥ 92 ng/L

NT - proBNP or BNP not available Negative NT - proBNP < 300 ng/L or BNP < 92 ng/L

POSTOPERATIVE MONITORING

Measure Troponin daily x 48 - 72 hrs Obtain ECG in PACU Consider in-hospital shared-care management

Post-operative follow up by Primary Care Provider for management and investigation of cardiac disease No additional routine post-operative monitoring

CARDIAC SCREENING TOOL

Revised Cardiac Risk Index



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INSTRUCTIONS				
Note: this content was updated Jan				
external validation studies, sugges risk (see <u>Evidence</u> for more).	ting that the origina	I RCRI had significa	antly underestimated the	
When to Use ✔	Pearls/Pitfalls ✓		Why Use ✓	
High-risk surgery				
Intraperitoneal; intrathoracic; supraing	guinal vascular	No 0	Yes +1	
History of ischemic heart disease		No 0	Yes +1	
History of myocardial infarction (MI); hositive exercise test; current chest pa				
due to myocardial ischemia; use of nit				
or ECG with pathological Q waves				
History of congestive heart failure		No 0	Yes +1	
Pulmonary edema, bilateral rales or Sa paroxysmal nocturnal dyspnea; chest a			100 . 1	
paroxysmai nocturnai dyspnea; cnest i showing pulmonary vascular redistribi				
History of cerebrovascular disease				
Prior transient ischemic attack (TIA) or	stroke	No 0	Yes +1	
			1/4	







Frailty



Screening Tools

Clinical Frailty Scale

Change Ideas

- Medication Review
 - > Beers Criteria and Forta Classification
- Referral to Geriatric or Internal medicine for medical and frailty assessment and prehabilitation
- Referral to Physiotherapy and/or Occupational Therapy based on need

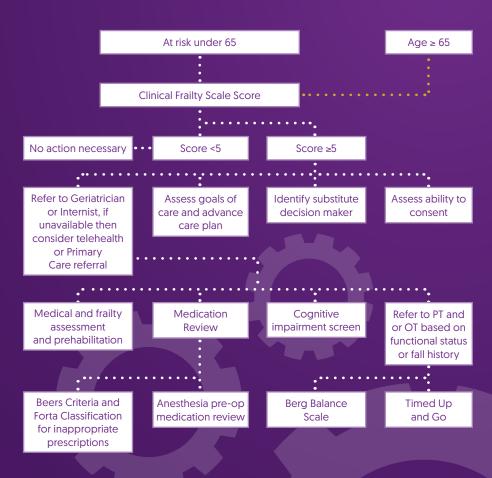
- Assessment of goals of care and advance care plan
- Identification of substitute decision maker
- Assess ability to consent
- Cognitive impairment screen

Measurements

• Patient reported adequate supports in place prior to surgery

^{*} Ensure appropriate in-hospital and post-operative follow up and care

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Clinical Frailty Scale*



I Very Fit – People who are robust, active, energetic and motivated. These people commonly exercise regularly. They are among the fittest for their age.



2 Well – People who have no active disease symptoms but are less fit than category 1. Often, they exercise or are very active occasionally, e.g. seasonally.



3 Managing Well — People whose medical problems are well controlled, but are not regularly active beyond routine walking.



4 Vulnerable – While not dependent on others for daily help, often symptoms limit activities. A common complaint is being "slowed up", and/or being tired during the day.



5 Mildly Frail — These people often have more evident slowing, and need help in high order IADLs (finances, transportation, heavy housework, medications). Typically, mild frailty progressively impairs shopping and walking outside alone, meal preparation and housework.



6 Moderately Frail – People need help with all outside activities and with keeping house. Inside, they often have problems with stairs and need help with bathing and might need minimal assistance (cuing, standby) with dressing.

Clinical Frailty Scale · PG 2 of 2





7 Severely Frail – Completely dependent for personal care, from whatever cause (physical or cognitive). Even so, they seem stable and not at high risk of dying (within ~ 6 months).

8 Very Severely Frail – Completely dependent, approaching the end of life. Typically, they could not recover even from a minor illness.





9. Terminally III - Approaching the end of life. This category applies to people with **a life expectancy** < 6 months, who are not otherwise evidently frail.

Scoring frailty in people with dementia

The degree of frailty corresponds to the degree of dementia. Common **symptoms in mild dementia** include forgetting the details of a recent event, though still remembering the event itself, repeating the same question/story and social withdrawal.

In moderate dementia, recent memory is very impaired, even though they seemingly can remember their past life events well. They can do personal care with prompting.

In severe dementia, they cannot do personal care without help.

- * I. Canadian Study on Health & Aging, Revised 2008. 2. K. Rockwood et al. A global clinical measure of fitness and frailty in elderly people. CMAI 2005;173:489-495.
- © 2007-2009. Version I.2. All rights reserved. Geriatric Medicine Research, Dalhousie University, Halifax, Canada. Permission granted to copy for research and educational purposes only.







Glycemic Control



Screening Tools

Glycemic Control Screening Questions

Change Ideas

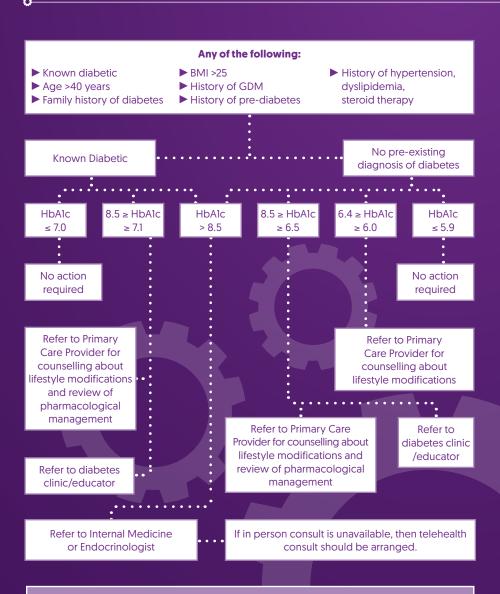
- Primary Care Provider for counselling about diagnosis, lifestyle modifications, and pharmacological management
- Internal Medicine or Endocrinologist assessment
- Diabetes clinic/educator assessment
- Medication review
- Limited resource settings can use telehealth to arrange specialty care
- Diabetes Canada My Action Plan

Measurements

- HbA1c 90 days after first HbA1c
- Repeat HbA1c every 90 days or if clinically indicated

^{*} Ensure appropriate in-hospital and post-operative follow up and care

GLYCEMIC CONTROL ALGORITHM



Follow Up hemoglobin A1c every 3 months or earlier if clinically indicated

GLYCEMIC CONTROL SCREENING TOOL

Glycemic Control Screening Questions

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	YES	NO
Previously diagnosed with diabetes	-	
Age over 40	-	-
Family history of diabetes	-	-
History of hypertension, dyslipidemia or steroid use	-	
BMI >25		
History of gestational diabetes mellitus	-	-
History of pre-diabetes	-	

If **YES** to any of the above questions then a pre-operative screening hemoglobin A1c test is recommended.







Implement clinical tools to prehabilitate patients prior to surgery

Nutrition



Screening Tools

Canadian Nutrition Screening Tool
 (Other option: PONS - Perioperative Nutrition Screen)

Change Ideas

- Primary Care Provider assessment, motivational interviewing and basic nutrition counselling
- Dietitian assessment
- Healthlinkbc.ca or *811
- Healthy Eating for Seniors Handbook
- Canada's Food Guide

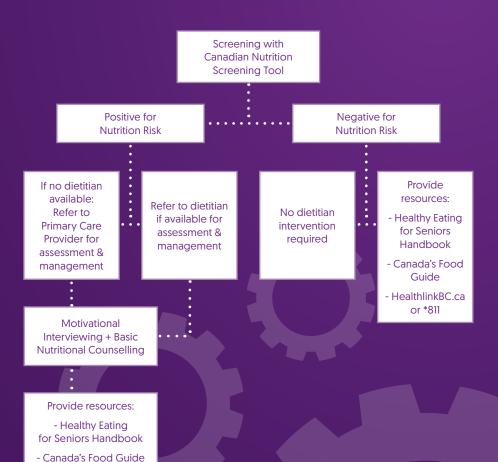
Measurements

Repeat CNST

^{*} Ensure appropriate in-hospital and post-operative follow up and care

- HealthlinkBC.ca or *811

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NUTRITION SCREENING TOOL

Canadian Nutrition Screening Tool



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CANADIAN NUTRITION SCREENING TOOL (CNST)

Name:	Age:	Weight:	Room:

Identify patients who are at risk for malnutrition

Two "YES" answers indicate nutrition risk[†]

	Date: Admission		Date:	
			Rescreening	
Ask the patient the following questions*		No	Yes	No
Have you lost weight in the past 6 months WITHOUT TRYING to lose this weight? If the patient reports a weight loss but gained it back, consider it as NO weight loss.				
Have you been eating less than usual FOR MORE THAN A WEEK?				

^{*} If the patient is unable to answer the questions, a knowledgeable informant can be used to obtain the information. If the patient is uncertain regarding

Patients at nutrition risk need an assessment to confirm malnutrition

Nutrition screening using a valid tool can generate a significant volume of requests for nutrition evaluation. Subjective Global Assessment (SGA) is a simple and efficient first-line assessment of nutritional status that can be used following a positive screening and to help prioritize cases.

If a patient is malnourished (SGA B or C), an in-depth nutrition assessment, along with treatment, is required by a registered dietitian.

The Canadian Nutrition Screening Tool was rigorously validated and tested for reliability in Canadian hospitals. Non-expert raters completed the tool and it was compared to the SGA conducted by a dietitian or trained nutrition researcher.

† If a patient is not at risk, rescreen within a week. Only consider weight change in the past week.

Validation and reliability testing of the Canadian Nutrition Screening Tool was funded by an unrestricted





It the patient is unable to answer the questions, a knowledgeable informant can be used to obtain the information. If the patient is uncertain regarding weight loss, ask if clothing is now fitting more loosely.





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Implement clinical tools to prehabilitate patients prior to surgery

Obesity



Screening Tools

Body Mass Index (BMI)

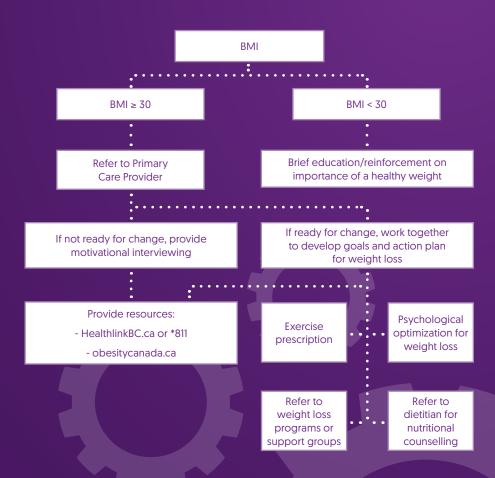
Change Ideas

- Refer to primary care provider if BMI ≥30 or below 18.5
- Motivational Interviewing
- HealthlinkBC.ca or *811
- Obesitycanada.ca
- Exercise prescription
- BC Centre for Disease Control
- Weight loss programs or support groups
- Psychological optimization for weight loss
- Refer to dietitian for nutritional counselling

Measurements

Repeated BMI

^{*} Ensure appropirate in-hospital and post-operative follow up and care







Implement clinical tools to prehabilitate patients prior to surgery

Pain Management



Screening Tools

Pain Screening Questions

Change Ideas

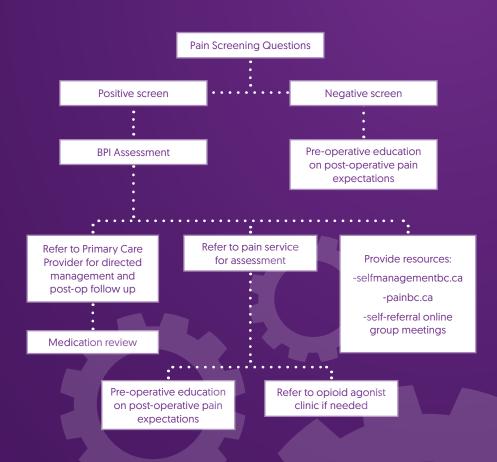
- Brief Pain Inventory (See Appendix I)
- Pre-operative education on post-operative pain expectations
- Pain service assessment
- Selfmanagementbc.ca

- Self-referral online group medical visits
- Medication review
- Painbc.ca
- Opioid agonist therapy clinic
- Primary Care Provider for directed management and post-op follow up

Measurements

One or more change ideas completed

^{*} Ensure appropriate in-hospital and post-operative follow up and care



PAIN MANAGEMENT SCREENING TOOL

Pain Screening Questions

In the past 4 weeks, have you been taking more than twice a week any non-prescription medications or products to manage pain? For example: Tylenol, anti- inflammatory, cannabis products	☐ Yes ☐ No If yes, please describe:
In the past 4 weeks, have you been using any non-medical therapies specifically to manage pain? For example: Physiotherapy, occupational therapy, massage	☐ Yes ☐ No If yes, please describe:
In the past 4 weeks, have you been prescribed any medications or products to manage pain? For example: Gabapentin, Tylenol #3, tramadol, anti-depressants	☐ Yes ☐ No If yes, please describe:
In the past 4 weeks, how much did pain interfere with your normal activities at work or at home?	 □ Not at all □ A little bit □ Moderately □ Quite a bit □ Extremely







Physical Activity



Screening Tools

The Physical Activity Vital Sign Calculator

Change Ideas

- Primary Care Provider for Clinical Frailty Scale assessment and preliminary counselling
- Referral to Physiotherapist or Kinesiologist
- Healthlinkbc.ca or *811
- Canadian Physical Activity Guidelines
- 6 Minute Walk Test
- SMART Goal Setting

Measurements

Repeat Physical Activity Vital Sign Calculator

^{*} Ensure appropriate in-hospital and post-operative follow up and care

Physical Activity as a Vital Sign Screening If meeting Canadian If not meeting CPAG then refer to a Primary Physical Activity Guidelines Care Provider for preliminary counselling and (CPAG, eq. 150 minutes/ Clinical Frailty Scale (CFS) assessment week of moderate to vigorous activity) then no action required. Can refer to **CFS Score CFS Score CFS Score** CFS Score Healthlinkbc.ca or *811 for more info. 1-2 3-4 of 5-6 7 or more Requires Exercise not appropriate Physiotherapy referral No Yes - Follow CPAG of - 3x per week PT will assess and - 3x per week, 150 minutes per set up exercise - 20-40 min. - 30-60min. week with 2 days program per session per session for strength and resistance - Emphasis on - Focus on aerobic training (50-75% strength (50-75% - No restriction on of exercise time). of exercise time), exertion (RPE 3-9) then aerobic then strength, then balance. exercise. then balance. - RPE 3-4 - RPE of 3-5 **SMART Goal Setting** Provide resources: - Healthlinkbc.ca or *811 - CPAG

PHYSICAL ACTIVITY SCREENING TOOL

The Physical Activity Vital Sign Calculator



The Physical Activity Vital Sign
On average, how many days per week do you engage in moderate to strenuous exercise (like a brisk walk)?
On average, how many minutes do you engage in exercise at this level? minutes
otal minutes per week of physical activity (multiply #1 by #2) minutes per week
sing the Physical Activity Vital Sign
National guidelines recommend 150 minutes per week of moderate intensity physical activity. Moderate intensity activity is usually done where an individual can talk, but cannot "sing". Examples include: brisk walking, slow biking, general gardening, and ballroom dancing.
In place of moderate intensity activity, an individual can also complete 75 minutes of vigorous intensity physical activity. Vigorous intensity activity is done at a pace where individuals can no longer talk and are somewhat out of breath. Examples include: swimming laps, playing singles tennis, and fast bicycling.
Individuals can also achieve 150 "minutes" through a combination of moderate and vigorous intensity physical activity, with 1 minute of vigorous activity being equal to 2 minutes of moderate activity.
If activity is done throughout the day, individuals are encouraged to perform activity in "bouts" that are at least 10 minutes in length.
If your patient is NOT achieving 150 minutes a week of physical activity, advise them to gradually increase either their frequency or duration until they are capable of safely performing 10 minutes bouts of activity and achieve national recommendations.
ne Physical Activity Vital Sign – Other Considerations
A comprehensive assessment of physical activity should include promotion of active living throughout the day to reduce sedentary time, as well as muscle strengthening and flexibility exercises as recommended by the Physical Activity Guidelines for Americans.
If you wish to add a question on muscle strengthening activities, we would recommend the following question: $\frac{1}{2}$
www.many days a week do you perform muscle strengthening exercises, such as bodyweightercises or resistance training?





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Implement clinical tools to prehabilitate patients prior to surgery

Sleep Apnea



Screening Tools

- STOP-Bang Questionnaire
- Home Sleep Apnea Test HSAT

Change Ideas

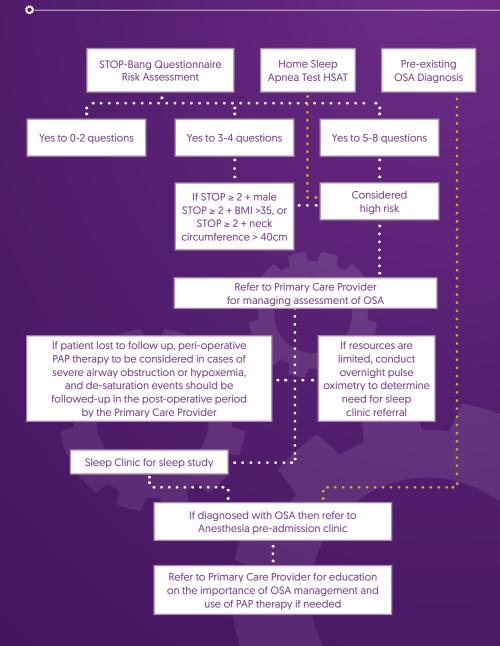
- Primary Care Provider for education on the importance of OSA management and use of the equipment
- Sleep Clinic assessment
- Specialist assessment
- If resources are limited, conduct overnight pulse oximetry to determine need for sleep clinic referral
- BC Guidelines for Sleep Apnea

Measurements

One or more change ideas completed

^{*} Ensure appropriate in-hospital and post-operative follow up and care

SLEEP APNEA ALGORITHM



SLEEP APNEA SCREENING TOOL

STOP-Bang Questionnaire



C

STO	P-Bar	ng Questionnaire
		you have Apnea (OSA)?
		following questions below to determine if you might be at risk.
Yes	No O	Snoring? Do you Snore Loudly (foud enough to be heard through closed doors or your bed-partner elbows you
		for snoring at night)?
Yes	No	Tired?
		Do you often feel Tired, Fatigued, or Sleepy during the daytime (such as falling asleep during driving or talking to someone)?
Yes	No O	O _{bserved} ?
		Has anyone Observed you Stop Breathing or Choking/Gasping during your sleep?
Yes	No O	Pressure?
Yes	No	Do you have or are being treated for High Blood Pressure ?
O	0	Body Mass Index more than 35 kg/m ² ?
		Body Mass Index Calculator om / kg inches / lb
		Height: Weight:
		Calculate
		BMI:
Yes	No	
O	0	Age older than 50 ?
Yes	No	Neck size large ? (Measured around Adams apple)
		Is your shirt collar 16 inches / 40cm or larger?
Yes	No	Gender = Male ?
		See Result
	eneral pop	ulation Yes to 0 - 2 questions
OSA -	Intermedia	te Risk: Yes to 3 - 4 questions : Yes to 5 - 8 questions
or Yes	to 2 or mo	re of 4 STOP questions + male gender re of 4 STOP questions + BMI > 35kg/m²
		re of 4 STOP questions + pwil > 30kg/m ⁻ re of 4 STOP questions + neck circumference 16 inches / 40cm
AND DESCRIPTION OF THE PARTY OF		







Smoking Cessation



Screening Tools

• Has the patient smoked tobacco in the past 6 months?

Change Ideas

- Quitnow.ca
- Primary Care Provider for assessing willingness for change, counselling and motivational interviewing
- Healthlinkbc.ca or *811
- BC Smoking Cessation Program
- Stop Smoking Video *
- BC.211.ca or *211
- Smoker's helpline

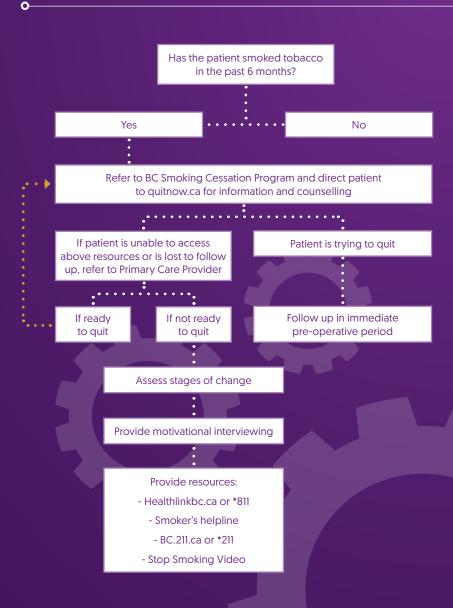
Measurements

- Date of last smoked tobacco
- Did patient decrease smoking before surgery?

^{*} Ensure appropriate in-hospital and post-operative follow up and care

^{*} www.youtube.com/watch?v=nylJo7VCdPE

SMOKING CESSATION ALGORITHM







Social Supports



Screening Tools

All patients should be optimized for social support

Change Ideas

- Confirm friend/family/caregiver support and include them in meetings with patient
- Social worker assessment
- Homecare assessment
- Primary Care Provider assessment for preliminary support and management of allied health professional care

- BC.211.ca or *211
- Healthlinkbc.ca or *811
- Connect with community supports

Measurements

Patient reported adequate supports in place prior to surgery

^{*} Ensure appropriate in-hospital and post-operative follow up and care







Substance Use



Screening Tools

CAGE-AID

Change Ideas

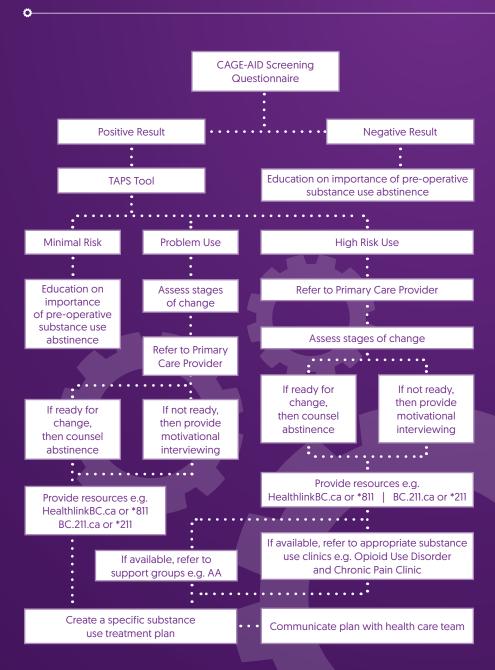
- Primary Care Provider for assessment, creating a substance use treatment plan and to coordinate plan with surgeon
- Healthlinkbc.ca or *811
- Treatment groups

- Alcohol abuse intervention
- O BC.211.ca or *211
- Referral to pharmacist
- Counselling
- Medication supplements
- TAPS Tool (See Appendix H)

Measurements

- Decreased substance usage
- Date of last substance use

^{*} Ensure appropriate in-hospital and post-operative follow up and care



SUBSTANCE USE SCREENING TOOL

CAGE-AID



Ö

The CAGE Adapted to Include Drugs (CAGE-AID) Questionnaire is an adaptation of the CAGE for the pactering for alcohol and drug problems. The CAGE-AIDS focuses on lifetime use.	ourpose o	f conjoir	itly
When thinking about drug use, include illegal drug use and the use of prescription drug use other th	an prescr	ribed.	
Questions			Point
	0	Yes	+1
: Have you ever felt that you ought to <u>C</u> ut down on your drinking or drug use?	0	No	+0
$oldsymbol{A}$: Have people $\underline{\mathtt{A}}$ nnoyed you by criticizing your drinking or drug use?	0	Yes	+1
	0	No	+0
$oldsymbol{G}$: Have you ever felt bad or $oldsymbol{G}$ uilty about your drinking or drug use?		Yes	+1
		No	+0
F: Have you ever had a drink or used drugs first thing in the morning	6	Yes	14
to steady your nerves or to get rid of a hangover (Eye opener)?		No	+1
		0 po	ints
Interpretation:			
One or more "yes" responses is regarded as a positive screening test, indication possible need for further evaluation.	substan	ce use a	nd

This tool was developed by Richard Brown, MD and Laura Saunders at the University of Wisconsin.



PRIMARY DRIVER

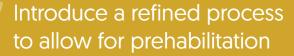
Introduce a refined process to allow for prehabilitation

SECONDARY DRIVERS

 Adapt/modify existing processes to allow for patient prehabilitation to take place

ROCESS IMPROVEMENT

PROCESS IMPROVEMENT



Adapt/modify existing processes to allow for patient prehabilitation to take place

Change Ideas

- Process map current and future state
- Analysis of existing documentation
- Facilitated discovery workshops
- Individual staff or small group interviews
- Direct work observation
- Business analysis design

PRIMARY DRIVER

Address the human aspects of change, to ensure change endures and is spread widely

SECONDARY DRIVERS

- S Support
- P Positive Culture
- R Resources
- E Engagement
- A Adoption/Ability
- D Desired Results

SPREAD AND SUSTAINABILITY

SPREAD AND SUSTAINABILITY

SUPPORT

Effective and supportive leadership is critical in change. Leaders need to be visible, encouraging, and authentic. Leaders solicit and respond to feedback, demonstrating care and active listening.

Themes

- Visible and Visionary Leadership
- Encouragement and Support
- Feedback and Ideas
- Communication

POSITIVE CULTURE

Culture reflects the attributes, beliefs, perceptions & values employees share. Change leaders must understand the role that culture plays on staff behaviour and their ability to deliver improvements.

Themes

- Model the Way
- Rewarding Patient Care
- Common Vision and Practices
- Learning Culture

RESOURCES

Teams and individuals must feel capable to transition into the new desired state. Change leaders need to be able to provide time and access to knowledge (both intellectual and psychological) needed for staff to implement the required skills and behaviours.

Themes

- Capacity
- Investment

- Training and Education
- Accessibility

Pages 64 & 65 offer a high level summary of the Spread and Sustainability Resource Cards.



Access a digital copy of the full resource cards here

ENGAGEMENT

The degree of person-centeredness in a system is reflected in superior decision making, design and care. Large-scale engagement is the best way to guarantee spread and sustainability in change. Change leaders need to roles, and feels that they have a voice in the change process.

Valued Contribution

Involvement

• Understanding Motivation

Ownership

ADOPTION

Understanding why errors occur and tackling poor design and procedures is key to improvement. Hearing, listening and responding to the voices of staff and patients is key to ensuring the successful implementation of a change. Change leaders need to ensure that reasons for change, processes, and required skills are made clear to maximize adoption.

Themes

• Keep it simple

• Reason for Change

• PDSA Cycles

Contextual Implementation

DESIRED RESULTS

All improvement will require change, but not all change will result in improvement.

Evaluation is vital to our understanding of which methods and innovations work to improve quality. Where there is a clear benefit from a change, innovation or improvement, that modification will be adapted and spread more rapidly.

Themes

• Impact measurement

Data Collection

Monitoring Improvement Outcomes
Innovation

APPENDIX A

Post-Operative Patient Outcomes Definitions

Superficial Incisional SSI	Superficial incisional SSI is an infection that involves only skin or subcutaneous tissue of the surgical incision.
Deep Incisional SSI	Deep Incisional SSI is an infection which involves deep soft tissues. Deep soft tissues are typically any tissue beneath skin and immediate subcutaneous fat, for example fascial and muscle layers
Organ/Space SSI	Organ/Space SSI is an infection that involves any part of the anatomy [e.g., organs or spaces], other than the incision, which was opened or manipulated during an operation.
Wound disruption	The spontaneous reopening of a previously surgically closed wound.
Pneumonia	Pneumonia is an infection of one or both lungs caused by bacteria, viruses, fungi, or aspiration. Pneumonia can be community acquired or acquired in a health care setting.
Intraoperative OR Postoperative Unplanned Intubation	The placement of an endotracheal tube or other similar breathing tube [Laryngeal Mask Airway (LMA), nasotracheal tube, etc.] and ventilator support.
On Ventilator > 48 Hours	Total cumulative time of ventilator-assisted respirations exceeding 48 hours.
Pulmonary Embolism	Lodging of a blood clot in the pulmonary artery with subsequent obstruction of blood supply to the lung parenchyma. The blood clots usually originate from the deep leg veins or the pelvic venous system.
Progressive Renal Insufficiency/Acute Renal Failure Requiring Dialysis	Progressive Renal Insufficiency: the reduced capacity of the kidney(s) to perform its function in comparison to the preoperative state. Acute Renal Failure Requiring Dialysis: A clinical condition associated with significant decline of kidney function in comparison to the preoperative state.
Urinary Tract Infection	An infection in the urinary tract (kidneys, ureters, bladder, and urethra).
Stroke/Cerebral Vascular Accident (CVA)	An interruption or severe reduction of blood supply to the brain resulting in severe dysfunction.
Intraoperative or Postoperative Cardiac Arrest Requiring CPR	The absence of cardiac rhythm or presence of a chaotic cardiac rhythm requiring the initiation of cardiopulmonary resuscitation.
Intraoperative or Postoperative Myocardial Infarction	Blockage of blood flow to the heart causing damage or death to part of the heart muscle.
Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	Transfusion of red blood cells, whole blood, autologous blood, and cell-saver products.
Vein Thrombosis Requiring Therapy	New diagnosis of blood clot or thrombus within the venous system (superficial or deep) which may be coupled with inflammation and requires treatment.
Sepsis	Sepsis takes a variety of forms and spans from relatively mild physiologic abnormalities to septic shock Sepsis: systemic response to infection. Septic Shock: Sepsis is considered severe when it is associated with organ and/or circulatory dysfunction.
Still in Hospital > 30 Days	The patient remains in the acute care setting at your institution continuously for > 30 days after the principal operative procedure.
Postoperative Death > 30 Days of Procedure if in Acute Care	Death occurring > 30 days after the principal operative procedure, as a direct result of the surgery and/or associated with postoperative complications and the patient has remained in the hospital in the acute care setting at your site.
Hospital Readmission	Patients who were discharged from their acute hospital stay for their principal operative procedure, and subsequently readmitted as an inpatient to an acute care hospital setting.
Unplanned reoperation	A return to the OR that was not planned at the time of the principal operative procedure.
4	Report at baseline, September 2019 to May 2021
Average Acute LOS	
Average Complication rate	Report at baseline, September 2019 to May 2021

APPENDIX B

Realm-SF Score Sheet



Ç

	REALM	1-SF Score Sheet	
Patient ID #:		Date:	Examiner Initials:
	Behavior		
	Exercise		
	Menopause		
	Rectal		
	Antibiotics		
	Anemia		
	Jaundice		
	TOTAL SCORE	·	
Administering the REAL	M-SF:		
Suggested Introduction:			
	der to improve communic		oking at words providers often use h care providers and patients. Her
Starting at the top of the say 'pass' and move on t		rd aloud to me. If yo	ou don't recognize a word, you can
Interviewer: Give the pa	•		more than 5 seconds on a words, it is not visible to the participant.

PATIENT ACTIVATION MEASURE® (PAM®)



Increasing Activation Starts with Measurement

The Patient Activation Measure® (PAM®) is a 10- or 13-item survey that assesses a person's underlying knowledge, skills and confidence integral to managing his or her own health and healthcare.

PAM segments individuals into one of four activation levels along an empirically derived 100-point scale. Each level provides insight into an extensive array of health-related characteristics, including attitudes, motivators, and behaviors. Individuals in the lowest activation level do not yet understand the importance of their role in managing their own health, and have significant knowledge gaps and limited self-management skills. Individuals in the highest activation level are proactive with their health, have developed strong selfmanagement skills, and are resilient in times of stress or change.

Disengaged and overwhelmed Individuals are passive and lack confidence. Knowledge is low, goal-orientation is weak, and adherence is poor. Their perspective:

"My doctor is in charge

of my health."

Level 2

still struggling
Individuals have some
knowledge, but large
gaps remain. They
believe health is largely
out of their control, but
can set simple goals.
Their perspective: "1
could be doing more."

Becoming aware, but

🔒 Level 3

Taking action

Individuals have the key facts and are building self-management skills. They strive for best practice behaviors, and are goal-oriented. Their perspective: "I'm part of my health care team."

Level 4

and pushing further Individuals have adopted new behaviors, but may struggle in times of stress or change. Maintaining a healthy lifestyle is a key focus. Their perspective: "I'm

my own advocate."

Maintaining behaviors

Increasing Levels of Activation

©2020 Insignia Health. Patient Activation Measure® (PAM®) Survey Levels. All rights reserved.

PAM is Backed by Extensive Research

The Patient Activation Measure survey is a unidimensional, interval level, Guttman-style question scale developed by Dr. Judith Hibbard, Dr. Bill Mahoney and colleagues at the University of Oregon. PAM was created and tested using Rasch analysis and classical test theory psychometric methods. Related versions include Caregiver PAM and Parent PAM, and over 35 validated translations.

To date, over 500 peer-reviewed published studies worldwide have documented the PAM survey's ability to measure activation and predict a broad range of health-related behaviors and outcomes. This foundation in research consistently demonstrates that individual self-management improves significantly as activation increases, and has led to endorsement of PAM as a performance measure by the National Quality Forum.

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Rev.20200505



PATIENT ACTIVATION MEASURE®



PAM® Applications

The Patient Activation Measure survey is reliable and valid for use with all patients, including those managing chronic conditions and engaged in disease prevention efforts. PAM is widely used today in population health management programs, disease and case management systems, wellness programs, medical home projects, care transitions, value-based programs, and much more. PAM is applied in three key manners:

Patient Activation Measure® (PAM®) Application



- Improving segmentation and risk identification. Traditional risk models rely upon past utilization and
 have been shown to miss over half of the individuals in the lower two activation levels. Research
 consistently shows that lower activation is an indicator for disease progression, like <u>diabetes</u> or <u>depression</u>,
 as well as increased ED visits, hospital admissions, and <u>ambulatory care sensitive (ACS)</u> utilization.
- 2. Tailoring Support to PAM Level. Hundreds of health-related characteristics have been mapped to PAM Levels, offering a wealth of insight into a person's self-management abilities. This insight guides patient support to establish goals and action steps that are realistic and achievable for each individual. An activation-based approach to coaching and education, whether provided by phone, in clinic, online or inhome, has been proven to deliver significantly improved outcomes. Insignia Health's coaching model (Coaching for Activation®) and consumer-facing Web-based program (Flourish®) make over a decade of activation research and experience actionable for health care organizations and the people they serve.
- Measuring Impact. Even a single point change in PAM score is meaningful. By periodically readministering the PAM survey, the impact of patient support strategies and programs can be understood well in advance of traditional outcome measures.

About Insignia Health

Insignia Health specializes in helping health systems, health plans, hospitals, care management services, and other organizations assess patient activation and develop strategies for helping individuals become more successful managers of their health and health care. Insignia Health applies its proprietary family of health activation assessments to measure each individual's self-management competencies. The Patient Activation Measure® and over 15 years of health activation research form the cornerstone of a complementary suite of solutions that help clinicians, coaches and population health providers improve health outcomes and lower costs. Insignia Health supports health activation efforts of over 250 health systems and organizations around the world.

InsigniaHealth.com

APPENDIX D

Diary of Symptoms



Diary of Symptoms

You can complete this form online and then print the form for easy reference. Only text that is visible on the form is printed; scrolled text will not print. Any text you enter into these fields will be cleared when you close the form; you cannot save it.

You can help your doctor diagnose and treat your condition by being prepared to answer questions about your symptoms. Since some symptoms are difficult to describe, it is helpful to write down information about your symptoms as you experience them during your daily activities.

While waiting for your appointment, keep a diary of your symptoms. This form may help. Describe the symptom for which you are keeping this diary:

Day	1	2	3	4	5	6	7
Time of day the symptom starts							
Time of day the symptom bothers you the most							
Does the symptom come and go during the day?							
Is the symptom affected by any of the following: • Activity • Rest • Stress • Recent changes in your eating patterns, such as skipping meals. • Prescription or over-the-counter medicines (name							
of medicine and time of day it affects your symptom)	Time:	Time:	Time:	Time:	Time:	Time:	Time:
Medicine name:							
Medicine name:							
Alcohol or caffeinated drinks (number and time) Number of drinks: Time of day:							
Smoking or the use of other tobacco products							
What other symptoms do you have:							
Rate how you felt today: 1 – Great 2 – Okay 3 – Not good 4 – Bad							
Other information about your symptoms: © 1995-2018 Healthwise, Incorporated, Healthw	ujea Haalthui	se for evenue	nealth decision	and the Hes	althuisea logo s	200	

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health**wise**®



The SHARE Approach: A Model for Shared Decision Making

The SHARE Approach is a five-step process for shared decision making that includes exploring and comparing the benefits, harms, and risks of each option through meaningful dialogue about what matters most to the patient.



Seek your patient's participation.

elp your patient explore & compare treatment options.

Assess your patient's values and preferences.

Reach a decision with your patient.

Evaluate your patient's decision.

Shared decision making occurs when a health care provider and a patient work together to make a health care decision that is best for the patient. The optimal decision takes into account evidence-based information about available options, the provider's knowledge and experience, and the patient's values and preferences.







Both health care professionals and patients benefit from using shared decision making.

Benefits to Health care Professionals:

- Improved quality of care delivered
- Increased patient satisfaction

Benefits to Patients:

- Improved patient experience of care
- Improved patient adherence to treatment recommendations

Using the SHARE Approach builds a trusting and lasting relationship between health care professionals and patients.



The Agency for Healthcare Research and Quality (AHRQ) provides a collection of tools and training resources to support the implementation of shared decision making in practice. Refer to the AHRQ Shared Decision Making Toolkit Website to locate resources such as:



SHARE Approach Workshop Curriculum:

Collection of training guides, slides, videos, and other resources to support the training of health care professionals on shared decision making and SHARE Approach implementation



SHARE Approach Tools:

Collection of reference guides, posters, and other resources designed to support AHRQ's SHARE Approach implementation



SHARE Approach Webinars:

Accredited webinars that review topics related to the implementation of patientcentered outcomes research in shared decision making



SHARE Approach Success Stories:

AHRQ's SHARE Approach tools and resources are used by organizations nationwide to implement shared decision making in health care. These case studies highlight stories of successes and best practices by describing the use and impact of the AHRQ's SHARE Approach strategies and tools by health systems, clinicians, academicians, and other professionals.

These resources provide health care professionals with the training and tools they need to implement the SHARE Approach in their practice.

Go to: www.ahrq.gov/shareddecisionmaking









My Personal Action Plan

No matter what your health goal is, creating a specific plan can help you succeed.

Follow the steps to put you on a path toward meeting your goal.

You can fill out this form online, but the information can't be saved. Or you can simply print it and then fill it out by hand.

Step 1

Know your own reason.

Why is this change important to you? Make sure it's something that you really want to do.

Step 2

Set a specific long-term goal.

What is a long-term goal that you can reach in about 6 to 12 months?

Step 3

Set your short-term goals.

How can you create short-term goals that you take week by week to reach your long-term goal?

Step 4

Prepare for slip-ups or setbacks.

What might get in the way of reaching this goal? You may already know that things like time, money, or emotions could get in the way. How might you get around these things?



Plan for support and rewards.

Who can help you meet your goals? Maybe friends, family, or a support group? And how will you reward yourself? A movie, a special meal, an hour to yourself can be a treat.



See your success.

How will your life be different after you make this change?



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Every time you talk with a health care provider ASK THESE 3 QUESTIONS



What is my main problem?

When to ask questions

You can ask questions when:

- You see a doctor, nurse, pharmacist, or other health care provider.
- You prepare for a medical test or procedure.
- You get your medication.

2

What do I need to do?

What if I ask and still don't understand?

- Let your health care provider know if you still don't understand what you need.
- You might say, "This is new to me. Will you please explain that to me one more time?"
- Don't feel rushed or embarrassed if you don't understand something. Ask your health care provider again.



Why is it important for me to do this?

Who needs to ask 3?

Everyone wants help with health information. You are not alone if you find information about your health or care confusing at times. Asking questions helps you understand how to stay well or to get better.





To learn more, visit ihi.org/AskMe3

Ask Me 3 is a registered trademark licensed to the Institute for Healthcare Improvement. IHI makes Ask Me 3 materials available for distribution. Use of Ask Me 3 materials does not mean that the distributing organization is affiliated with or endorsed by IHI.

Write your health care provider's answers to the 3 questions here:

1. What	is my m ai	in problem?
---------	-------------------	-------------

2. What do I need to do?

3. Why is it important for me to do this?

Asking these questions can help you:

- Take care of your health
- Prepare for medical tests
- Take your medications the right way

You don't need to feel rushed or embarrassed if you don't understand something. You can ask your health care provider again.

When you Ask 3, you are prepared. You know what to do for your health.



Your providers want to answer 3

Are you nervous to ask your provider questions? Don't be. You may be surprised to learn that your medical team wants you to let them know that you need help or more information.

Like all of us, health care providers have busy schedules. Yet they want you to know:

- All you can about your health or condition.
- Why their instructions are important for your health.
- Steps to take to keep you healthy and any conditions under control.

Bring your medications with you the next time you visit a health care provider. Or, write the names of the medications you take on the lines below.

Like many people, you may see more than one health care provider. It is important that they all know about all of the medications you are taking so that you can stay healthy.

Ask Me 3° is an educational program provided by the Institute for Healthcare Improvement / National Patient Safety Foundation to encourage open communication between patients and health care providers.





TAPS

Tobacco, Alcohol, Prescription medication, and other Substance use Tool

The Tobacco, Alcohol, Prescription medication, and other Substance use (TAPS) Tool consists of a combined screening component (TAPS-1) followed by a brief assessment (TAPS-2) for those who screen positive.

This tool

- Combines screening and brief assessment for commonly used substances, eliminating the need for multiple screening and lengthy assessment tools
- Provides a two stage brief assessment adapted from the NIDA quick screen and brief assessment (adapted ASSISTlite)
- May be either self-administered directly by the patient or as an interview by a health professional
- · Uses an electronic format (available here as an online tool)



National Institutes of Health - Turning Discovery into Health

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1903	Date: (mon Subject's Ini	tials :	(year)	Study Name Protocol #: _		
PLEASE USE BLACK INK PEN	Study Subj	Brief Pain	Inventor	Revision: 07/		
			ain from time	to time (such	as minor he	eadaches, sprains, and
	No	o arago urbaro var	, feel pain [hit on V on the	over that h	uuta tha maat
z. On the diagr	am, snade in th	e areas where you Front	i teel pain. F	ur an x on the Back		urts the most.
		Right V	Left	Lott S	Right	
					-) 6	
		141) 1	₹	
		W)	
3. Please rate in the last		arking the box be	side the nun	nber that best	describes y	our pain at its worst
0 No Pain	1	3	5	6 7	□8	9 10 Pain As Bad As You Can Imagine
	e your pain by e last 24 hour		x beside the	number that	best desc	ribes your pain at its
]1	3 4	<u></u> 5	6	□8	9 10 Pain As Bad As You Can Imagine
5. Please rate	your pain by m	arking the box be	side the nun	ber that best	describes y	our pain on the average.
0 No Pain	1	3 4	5	6 7	□ 8	9 10 Pain As Bad As You Can Imagine
6. Please rate	your pain by m	arking the box be	side the nun	ber that tells h	now much p	pain you have right now.
0 No Pain]1	3 4	<u></u> 5	6 🔲 7	□8	9 10 Pain As Bad As You Can Imagine
Page 1 of 2	2	Copyrigh	nt 1991 Charles S Pain Research			



1903 LEASE USE ACK INK PEN	Subjec	(month) t's Initial: Subject	$\overline{}$) (9	year)	Protoco PI:				
7. What tre	atment	s or me	dications	are you	ı receivii	ng for you	pain?			
8. In the la mark the						reatments ows how n				
0% 10% No Relief	6 20 	0%]	30%	40%	50%	60%	70%	80%		100% Complete Relief
9. Mark the with you		side the	number t	hat desc	ribes ho	w, during tl	ne past 24	hours, pai	n has inte	erfered
A. Gener 0 Does Not Interfere	al Acti	ivity 2	□3	□ 4	□ 5	□6	□ 7	□8	<u> </u>	10 Completely Interferes
B. Mood ODoes Not Interfere	1	<u> </u>	□3	□ 4	□ 5	□6	□7	□8	□9	10 Completely Interferes
C. Walki 0 Does Not Interfere	ng abil] 1	ity 2	□3	<u> </u>	□ 5	□6	_ 7	□8	□9	10 Completely Interferes
D. Norm	_	_		_				_		
0 Does Not Interfere	」 1	∐2	∐3	∐4	□ 5	□6	∐ 7	∐8	∐9	10 Completely Interferes
E. Relati 0 Does Not Interfere	ons wi	th oth	er peopl	e 4	□ 5	□6	□ 7	□ 8	□9	10 Completely Interferes
F. Sleep 0 Does Not Interfere	1	_2	□3	□4	□ 5	□6	□7	□8	□9	10 Completely Interferes
G. Enjoy O Does Not Interfere	ment o	of life	□3	□4	□ 5	□6	□ 7	□8	□ 9	10 Completely Interferes
Page 2 of 2			С	Pai	91 Charles S n Research Il rights rese		iD			

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