

STANDARDIZING PRE-OPERATIVE MEDICATION INSTRUCTIONS FOR PATIENTS HAVING ELECTIVE SURGERIES

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DESCRIPTION

Pre-operative medication instructions are a vital safety component for patients having elective surgeries as certain medication classes can lead to peri-operative complications, such as hemorrhages and hemodynamic disturbances.

The Surgical Pre-screening clinic (SPS) at Humber River Health assesses, educates, and prepares patients for upcoming elective surgeries. A gap analysis conducted identified a lack of standardized processes regarding changes to patient's medication instructions prior to surgery. This can lead to miscommunication and increase the risk of potential peri-operative complications or delays to surgery.

To improve the peri-operative experience, a formal standardized process was created for pre-operative medication instructions; Medication Education for Developing a Well-Informed Surgical Experience (MEDWISE).

OBJECTIVE

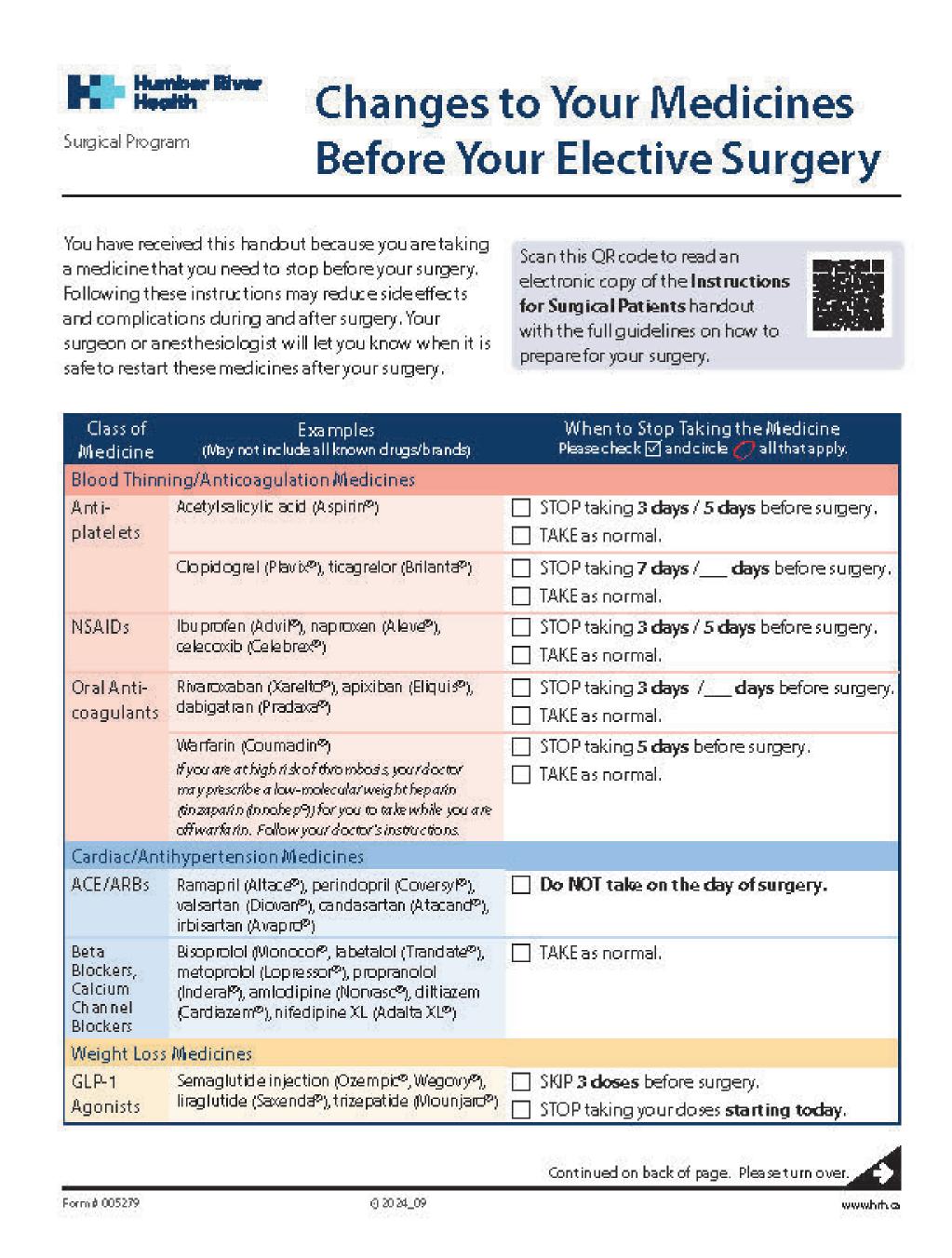
To improve communication for patients and the surgical team regarding patients' pre-operative medication instructions prior to elective surgeries.

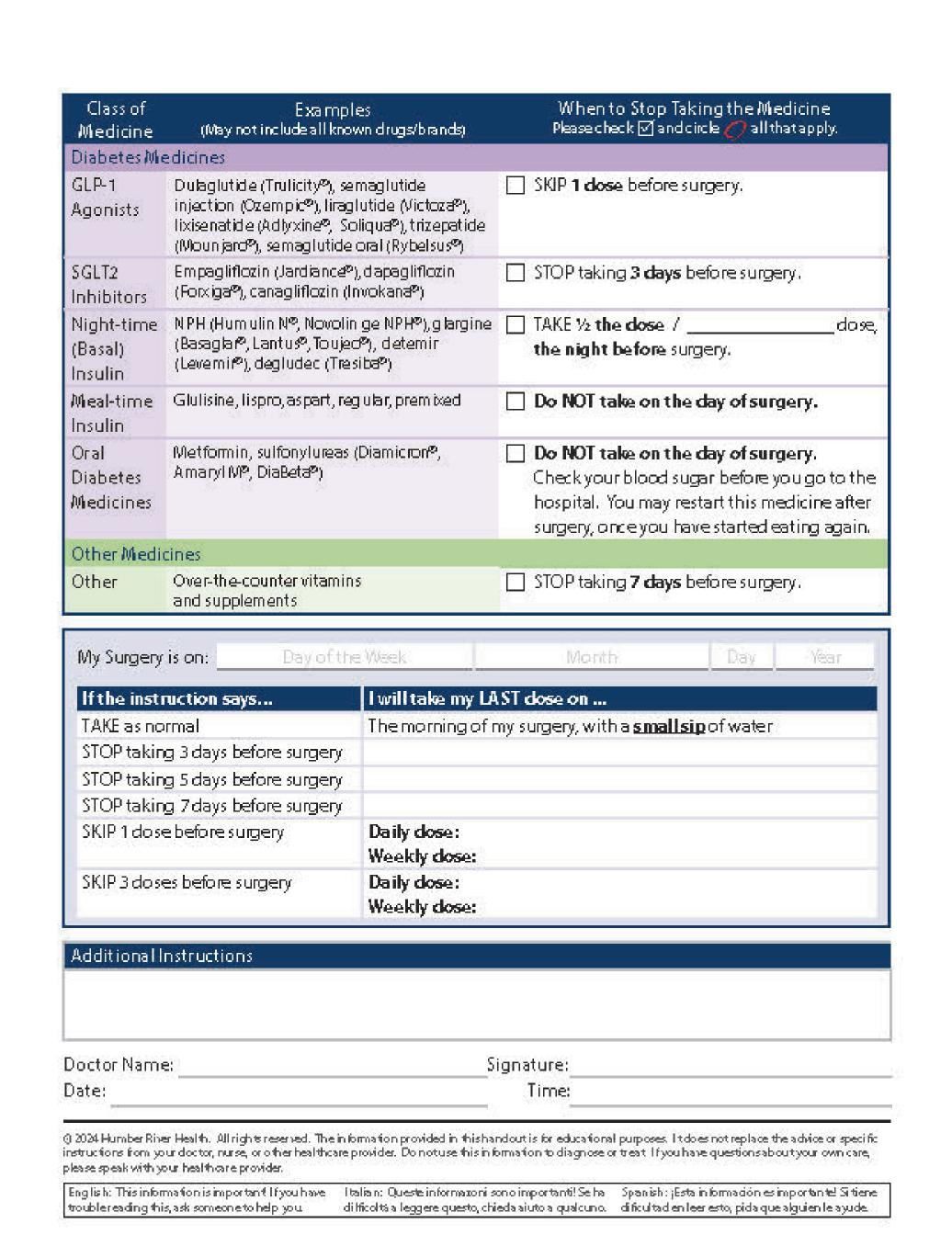
ACTIONS TAKEN

- Collaborated with Anesthesia and Medicine Internists,
 Reinventing Patient Care Council, Surgical Program
 Leadership, Health Education Development and Health
 Information Services to develop a new standardized
 form for Anesthetists to use in SPS
- Developed Implementation Plan and new Workflow Process for stakeholders and evaluation measures (i.e., post-implementation surveys)
- Provided education on roles for stakeholders
- Created MEDWISE label to attach to patient's chart for tracking across the continuum of care

Figure 1. NEW standardized instructions form used by anaesthetist in SPS.

A new standardized form was created in conjunction with the Anaesthesia leads where certain medication classes including Anticoagulants/Anti-platelets, Antihypertension medications, Diabetic medications and GLP1As that often require changes prior to a patient's surgery to prevent peri-operative complications.





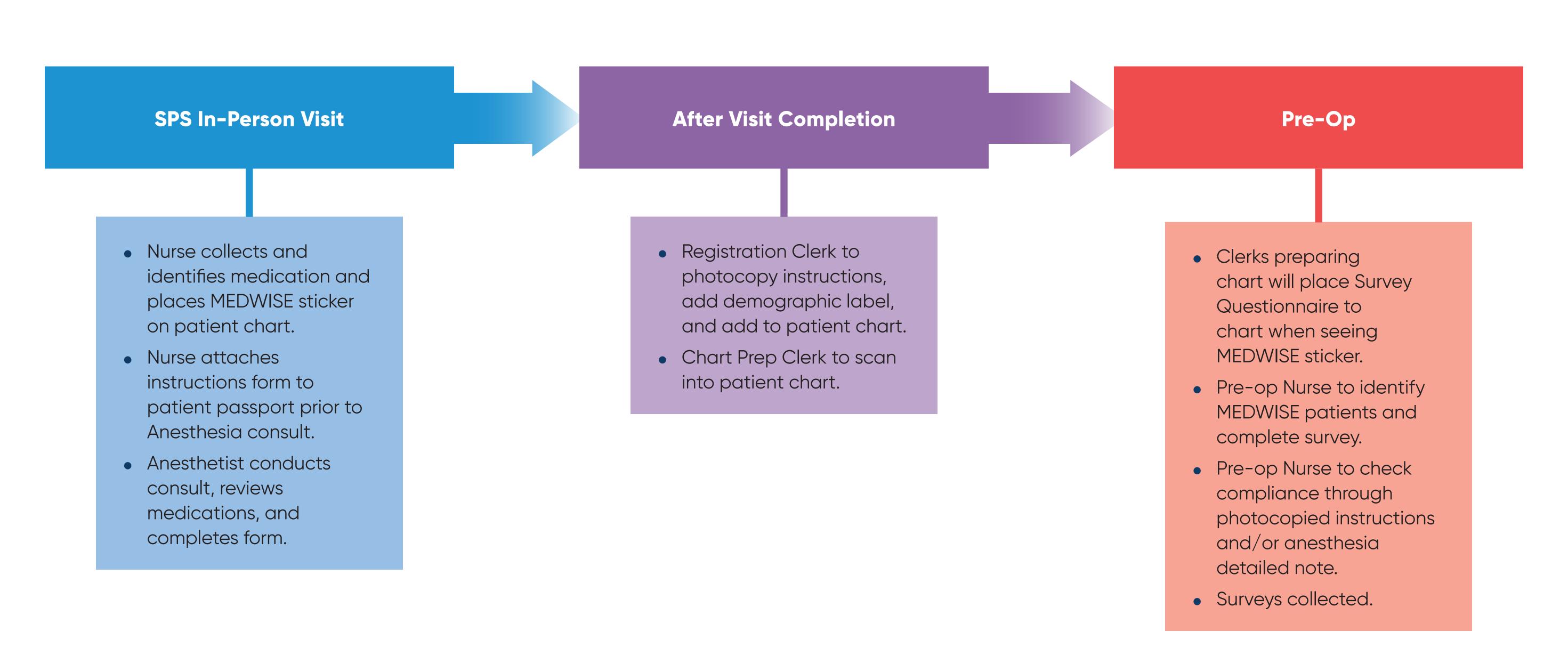


Figure 2. Standardized Workflow Process for Pre-op Medication Instructions.

SUMMARY OF RESULTS

Pilot Implementation started Oct 1st, 2024, and currently gathering evaluation measures:

- Process
 - Medication Instruction sheet compliance rate from Anesthesia
 - Scanned instruction sheet compliance in EMR
- Outcomes
 - Patient satisfaction
 - Anesthesia satisfaction
 - Compliance of instructions
- Balance
 - Cancelled surgeries
 - OR delay events

Next steps:

- Expanding use to surgeons at their community clinics
- Improve accessibility through translated forms
- Digitizing elements to streamline process

LESSONS LEARNED

Standardizing language and processes help improve communication between the surgical team and patient across their perioperative journey.

This leads to consistency with medication management recommendations; contributing to lower surgical cancellation rates, and improves patient experience, preparedness prior to surgery, and patient outcomes.