

What's New in the International Nutrition Survey 2014

This document reviews any new changes in data collection since the the International Nutrition Survey (INS) 2013. It does not include changes in the layout or formatting of the Instructions and Case Report Forms (CRFs) or the electronic data capture system (REDCap).

New to the INS 2014, we have created separate Instructions and Case Report Forms for burn units and non-burn units. There will be one version of REDCap for all sites. We have indicated below if an update to the INS 2014 is only applicable to burn units.

REDCap System Changes

- **Query System:** New queries for inclusion and exclusion criteria have been created to help minimize ineligible patients from being entered into REDCap.
- **Additional burn unit forms:** There are 3 additional CRFs for burn units. In REDCap, these additional forms for Site Registration, Patient Information and Daily Nutrition Data will be visible to all sites but only accessible to burn sites. Screenshots and details will be available in the REDCap Manual, coming Summer 2014.

ICU Level Data Collection Changes

- **Inclusion criteria:** To accommodate burn units, site may choose locally to decrease the inclusion criteria for age to ≥ 16 .
- **Ethics Approval:** We are asking sites to indicate if ethics approval was required to participate in the INS 2014.
- **Burn units only:** On the second Site Registration form (only accessible to burn units), burn units are to indicate the average number of annual admissions to their unit and all feeding practices used for patients undergoing burn related surgeries and/or grafting.
- **Gastric residual volumes:** All sites will be asked if they monitor gastric residual volumes and, if yes, what threshold they use. Previously, this question was only asked to sites who indicated they use a feeding protocol.

Patient Level Data Collection Changes

- **Co-morbidities:** We have added options for substance abuse, including heavy or binge alcohol use, tobacco use or drug abuse history.
- **Burn units only:** On the second Patient Information form (only accessible to burn units), burn units are to indicate the patient's burn details including percent TBSA, percent 2nd and 3rd degree burns, date and type of burn injury, if full thickness burn or inhalation injury is present, and, if applicable, the inhalation injury score.

Updated: May 20th, 2014

- **Nutrition Requirements:** We have renamed 'nutrition prescription' to 'nutrition requirements' to help minimize queries. We no longer require non-burn units to enter a daily nutrition requirement (burn units will still be asked daily to enter any changes to nutrition requirements).
- **Nutrition delivery technique recommended:** Previously we asked about the initial recommendation for enteral nutrition. We have now broadened the question to include all forms of nutrition, including if NPO, oral or parenteral nutrition.
- **Calculation of protein requirements:** Previously, we only asked for the weight and method used to calculate total nutrition requirements. Now we have separate questions asking for the weight and method used to calculate energy requirements and the weight used to calculate protein requirements.
- **Burn units only:** On the second Daily Nutrition Data form (only accessible to burn units), burn units will be asked daily if the nutrition prescription changed from the previous day and, if yes, to specify the new prescription. We also ask daily if the burn patient consumed oral nutritional supplements by mouth and, if yes, the calories and protein consumed from this source. Other daily data includes any calories received from IV glucose sources not including parenteral nutrition, and if the patient received the medications oxandralone and/or propranolol.
- **Enteral Nutrition:** If you provide a formula not listed in our taxonomy, indicate if the product is polymeric, contains supplemental glutamine and/or arginine, and if it contains fish oils. We no longer ask for the calories per ml or protein grams per ml of the formula.
- **Supplements:** A new CRF was created to enter data on five supplemental products: vitamin C, zinc, glutamine, selenium and probiotics. Vitamin C and zinc data collection is new to the INS 2014.