

Major Trauma and the Clinical Frailty Score



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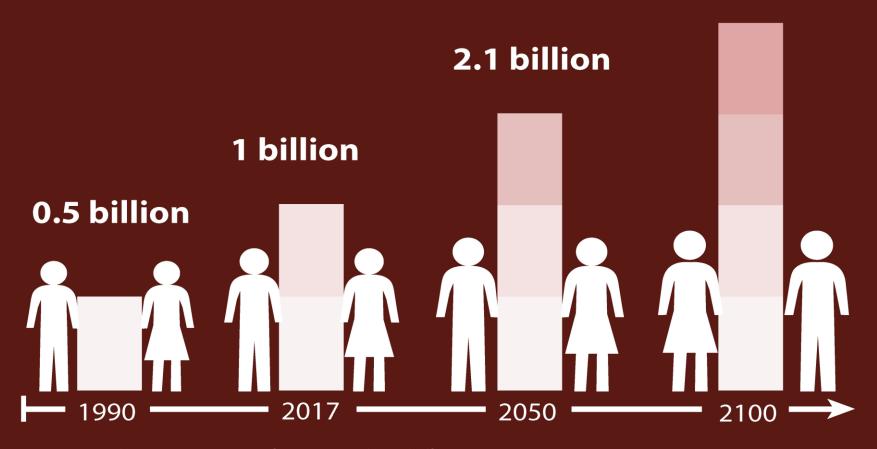


A multidimensional loss of reserves- energy, physical ability, cognition and health (Rockwood et al)

Ageing Population Projected global population aged 60 years or over



3.1 billion



Source: United Nations Department of Economic and Social Affairs, Population Division, World Population Prospects: The 2017 Revision Produced by: United Nations Department of Public Information







Frailty screening and a frailty pathway decrease length of stay, loss of independence, and 30-day readmission rates in frail geriatric trauma and emergency general surgery patients

Engelhardt, Kathryn E., MD; Reuter, Quentin, MD; Liu, Jessica, MD; Bean, Jonathan F., MD; Barnum, Joliette, MD; Shapiro, Michael B., MD; Ambre, Allison, DPT; Dunbar, Amanda; Markzon, Mara; Reddy, Tara N., MD; Schilling, Christine, MFS; Posluszny, Joseph A. Jr., MD

<u>JAMA Surg.</u> 2014 Aug;149(8):766-72. doi: 10.1001/jamasurg.2014.296.

Superiority of frailty over age in predicting outcomes among geriatric trauma patients: a prospective analysis.

Joseph B¹, Pandit V¹, Zangbar B¹, Kulvatunyou N¹, Hashmi A¹, Green DJ¹, O'Keeffe T¹, Tang A¹, Vercruysse G¹, Fain MJ¹, Friese RS¹, Rhee P¹.

Author information

Clinical Frailty Scale



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



 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.



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



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



 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.



 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.



 Severely Frall – 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).



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



Terminally III – Approaching the end of life.
 This category applies to people with a life expectancy < 6 months, who are not otherwise evidently frail.</p>

Where dementia is present, the degree of frailty usually corresponds to the degree of dementia:

- Mild dementia includes forgetting the details of a recent event, though still remembering the event itself, repeating the same question/story and social withdrawal.
- 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.
- Severe dementia they cannot do personal care without help.

K. Rockwood et al. A global clinical measure of fitness and frailty in elderly people. CMAJ 2005;173:489–495 © 2011-2012 Version 1.3. All rights reserved Videx Canada.



How do we use CFS?

Clinical Frailty Scale



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Frailty Trauma Triage Tool FT³

Age>60 with history of TRAUMA (including falls from standing/collapse)

FEATURES INDICATING A HIGH RISK OF SIGNIFICANT INJURY

Severe Pain Acute SOB >=2 Central Body areas affected Anticoagulated NEWS >3 in single domain Sats <94% or new oxygen requirement GCS <15 Cognitive impairment (through alochol/ drugs/ dementia etc) Seizure Neurological deficit Clinical Frailty Score >=4

Move to RESUS

Consider activating
Trauma Team or Frailty
Trauma Team
If Resus not available
activate Frailty Trauma
team

Activate Frailty Trauma Team via the Attending consultant phone 0800-0000, or the Bleepholder 0000-0800





Future Work









CFS PREDICTING MAJOR TRAUMA

USE OF CFS IN TRIAGE TOOLS

USING CFS TO DECIDE WHEN TO PALLIATE

CFS TO DECIDE ADMISSION TO MDT TRAUMA WARD?