**Appendix A. Descriptive Comparison of Frailty and Triage Acuity by Prognostic Factors**

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| --- | --- | --- | --- | --- | --- | --- |
| Variable | Most Frail^N = 660 (%) | Least FrailN = 1256 (%) | *p* | Higher Acuity\*N = 1674 (%) | Lower AcuityN = 416 (%) | *p* |
| Age *M* (SD) \* | 82.2 (7.3) | 81.6 (7.4) | < .001 | 82.1 (7.3) | 82.7 (7.5) | .18 |
| Lives Alone |  177 (27.2) | 528 (42.5) | < .001 | 611 (36.9) | 168 (40.6) | .16 |
| Gender (Female)  | 409 (62) | 750 (59.7) | .34 | 1024 (61.1) | 258 (62) | .75 |
| Caregiver Distress† | 86 (6.9) | 277 (41.9) | < .001 | 302 (18.1) | 89 (21.4) | .12 |
| Cognitive Impairment ‡ Premorbid § Admission || Potential Delirium ¶ | 269 (40.8)334 (50.7)385 (58.3) | 28 (2.2)67 (5.4)118 (9.4) | < .001< .001< .001 | 251 (12.1)350 (21.1)443 (26.5) | 81 (19.6)92 (22.4)105 (25.2) | .02.54.61 |
| ADL Impairment  Bathing Premorbid § Admission || Acute Decline from Premorbid \*\* Personal Hygiene Premorbid § Admission || Acute Decline from Premorbid \*\* Dressing Lower Body Premorbid § Admission || Acute Decline from Premorbid \*\* Locomotion Premorbid § Admission || Acute Decline from Premorbid \*\* | 472 (71.5)581 (88.4)111 (16.9)260 (39.4)373 (56.9)117 (17.9)356 (53.9)486 (73.6)133 (20.2)243 (36.8)432 (65.9)194 (29.8) | 190 (15.1)509 (40.8)319 (25.6)14 (1.1)120 (9.6)107 (8.5)71 (5.7)325 (25.9)255 (20.4)28 (2.2)348 (28)320 (25.7) | < .001< .001< .001< .001< .001< .001< .001< .001.94< .001<. 001.06 | 560 (33.8)954 (58.1)399 (24.3)225 (13.6)418 (25.2)196 (11.9)354 (21.2)702 (42.1)349 (21)239 (14.4)698 (42.1)457 (27.8) | 152 (37.3)220 (54.1)67 (16.5)72 (17.3)116 (28)46 (11.2)101 (24.3)178 (43.2)81 (19.9)54 (13.1)152 (37.5)97 (24.1) | .19.14 .001.04.23.69.17.69.61.52.09.14 |
| Any ADL Impairment†† Pre-Morbid § Admission || | 494 (74.9)605 (91.7) | 222 (17.7)603 (48) | < .001< .001 | 617 (36.9)1067 (63.7) | 159 (38.2)244 (58.7) | .16.06 |
| IADL Status Difficulty with Medications ‡‡ Difficulty with Stairs §§ | 415 (62.9)557 (87.4) | 121 (9.6)545 (43.4) | < .001< .001 | 479 (28.7)973 (58.4) | 117 (28.2)252 (60.8) | .85.36 |
| Impaired Comprehension ||| | 68 (10.3) | 0 (0) | < .001 | 59 (3.5) | 15 (3.6) | .94 |
| Conditions and Symptoms Poor Self-Reported Health ¶¶ Premorbid § Admission || Depressive Symptoms \*\*\* Expresses Anhedonia ††† Any Behaviours ‡‡‡ Hallucinations or Delusions Falls (last 90 days) Traumatic Injury  Daily and Severe Pain §§§ Dyspnea |||| Premorbid § Admission || Unstable Condition ¶¶¶ Decrease food/fluids\*\*\*\* Weight Loss †††† | 99 (15)198 (30)230 (34.9)343 (51.9)54 (8.2)101 (15.3)298 (45.2)58 (43.61)146 (22.1)182 (27.6)227 (34.4)466 (70.6)281 (42.6)108 (16.4) | 47 (3.7)186 (14.8)157 (12.5)392 (32.2)3 (0.2)16 (1.27)299 (23.8)75 (56.39)225 (17.9)208 (16.6)314 (25)413 (32.9)279 (22.2)52 (4.1) | < .001< .001< .001< .001< .001< .001< .001< .001.03< .001<. 001< .001< .001< .001 | 135 (8.1)351 (20.9)337 (20.1)635 (37.9)44 (2.6)99 (5.9)512 (31)113 (7)311 (18.6)367 (21.9)518 (30.9)795 (47.8)529 (31.8)149 (9) | 32 (7.7)65 (15.6)80 (19.23)121 (29.1)18 (4.3)26 (6.3)153 (37.7)34 (8.4)73 (17.6)56 (13.5)68 (16.4)187 (45.1)94 (22.7)39 (9.5) | .8.01.68< .001.07.8.01.33.63< .001< .001.33< .001.74 |
| ED Visitation in the Prior 90 Days | 303 (46.2) | 478 (38.1) | < .001 | 679 (40.6) | 192 (46.3) | .04 |
| ^ Frailty was measured using the emergency department frailty index, with the top 33% percentile labelled as “most frail.”\* Triage acuity was measured with the CTAS, with CTAS of 1 – 3 labelled as “higher acuity.”ADL = activities of daily living; IADL = impaired activities of daily living.† Primary informal helper(s) expresses feelings of distress, anger, or depression‡ Modified independent or any impairment in making decisions regarding tasks of daily living.§ Premorbid: the 3-day period prior to the onset of the current acute illness or episode.|| Admission: the past 24 hours or time since acute illness or episode that prompted the ED visit.¶ Acute change in mental status from person’s usual functioning (e.g., restlessness, lethargy, difficult to arouse, altered environmental perception).\*\* Acute decline from premorbid: at admission, new impairment relative to premorbid.†† Any supervision or any physical assistance in bathing, personal hygiene, dressing lower body, and/or locomotion.‡‡ Difficulty remembering to take medicines, opening bottles, taking correct drug dosages, giving injections, or applying ointments.§§ Supervision or any assistance during full flight of stairs (12 to 14 stairs).||| Sometimes, rarely, or never understands direct communication.¶¶ When asked, “In general, how would you rate your health?” person responds “Poor.”\*\*\* When asked, patient reports feeling sad, depressed, or hopeless in past 3 days.††† When asked, patient reports little interest or pleasure in things they normally enjoy.‡‡‡ In the past 3 days, presence of any one or more of the following: verbal abuse, physical abuse, socially inappropriate, or disruptive behavior, inappropriate public sexual behavior, or public disrobing.§§§ Pain that is severe or excruciating in past 3 days.|||| Dyspnea at rest or present when performing normal day-to-day activities.¶¶¶ Conditions/diseases make cognitive, ADL, mood, or behavior patterns unstable (fluctuating, precarious, or deteriorating).\*\*\*\* Noticeable decrease in the amount of food usually eaten or fluids usually consumed.†††† Weight loss of 5% or more in last 30 days; OR of 10% or more in past 180 days. |