

Online Supplementary Table 1 Papers That Met Inclusion Criteria

Citation number	Reference [number]	Year	Country of origin	Study population	Methodology/ Study design	Measurement instrument	Domain	Subdomain	Secondary measurement instruments
1	Baier et al. 2016. [33]	2016	Germany	n = 200, Cancer	Longitudinal	Resilience Scale (11-item); European Organization for Research and Treatment of Cancer Quality of Life Questionnaire	1,2	2,4	Comprehensive Geriatric Assessment; ADL/IADL; Barthel Index; Karnofsky Index; CCI; "Get Up and Go Test"; MMSE; Mini Nutritional Assessment; Physiologic and Operative Severity Score for the endMeration of Mortality and Morbidity; Tumour stage; Post-operative resection status; Marital status; Number of children; Housing situation.
2	Barma et al. 2016. [34]	2016	United Kingdom	n = 3,723, Inpatient rehabilitation	Longitudinal	C-reactive protein	1	4	GFR; Albumin and hemoglobin levels; Prescription data; Barthel index; Length of stay; Age; Gender; Comorbidities.
3	Best et al. 2015. [47]	2015	Canada	n = 199, Fallers	Prospective cohort	Executive function measured by 1) Stroop test, 2) Trail Making Test, 3) Backwards digit span, 4) F-A-S Test, 5) Digit Symbol Substitution Test.	1	4	Functional comorbidity index; MMSE; Physiological Profile Assessment; 4-metre walk test; IADL; International Physical Activity Questionnaire short form; GDS; Age; Sex; Education; Residential status. Demographics; St. George's Respiratory Questionnaire.
4	Cannon et al. 2018. [56]	2018	Australia	n = 159, COPD	Cross-sectional	Connor-Davidson Resilience Scale; Acceptance of Disease and Impairments Questionnaire; Pulmonary Rehabilitation Benefits and Consequences Scale;	1,2	2,3,4	
5	Colón-Emeric et al. 2019. [45]	2019	US	n = 727, Hip fracture	Longitudinal	Compilation of 10 outcomes: Self-reported ambulatory status; Instrumental Activities of Daily Living (IADL); Lower extremity physical activities of daily living (LPADL); Yale Physical Activity Scale; Gait speed; Balance via Short Physical Performance Battery or Tinetti Gait and Balance Test; Grip strength; Timed single chair stand; Lower Extremity Gain Scale; Activity monitor.	1,2	2,4	Demographics; Psychosocial characteristics; Comorbidities; Physical stressor type; Rehabilitation type.
6	Cristiancho et al. 2016. [35]	2016	US	n = 430, Fracture	Longitudinal	Montgomery-Asberg Depression Rating Scale; Functional Recovery Score	1,2	2,4	Structured Clinical Interview for DSM-IV disorders; Use of assistive devices; Type of fracture and implant; Pain; Geriatric Adverse Life Events Scale; Duke Social Support Index; State-Trait Anxiety Inventory; Short Blessed Test; Delirium Rating Scale; CIRS; Place of residence.
7	Duan-Porter et al. 2016. [36]	2016	US	n = 641, Cancer	Longitudinal	SF-36	1,2	2,4	Self-efficacy; Social support for exercise; Hospitalizations; Age; Sex; Race; Educational status; Annual income; Years since cancer diagnosis; Comorbidities; BMI; Current smoking.

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Online Supplementary Table 1 (Continued)

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8	Edward et al. 2016. [37]	2016	Australia	n = 51, Cardiac	Longitudinal	CD-RISC, SF-12	1,2	2,4	Patient Health Questionnaire; Brief Medication Questionnaire; Gender; Age; Hypertension; Tobacco use; Raised blood glucose; Physical activity; Diet; Cholesterol/lipid levels; Weight; Survival.
9	Goodbrand et al. 2017. [38]	2017	United Kingdom	n = 2797, Inpatient rehabilitation	Longitudinal	Bisphosphonate use	1	4	Barthel Index; Age; Sex; Hospitalizations; Diagnosis; GFR; Serum calcium; Serum albumin; Prescribed calcium and vitamin D supplementation; Prescribing info; Biochemistry and hematology results; Date of death.
10	Hägglund et al. 2008. [54]	2008	Sweden	n = 49, Cardiac	Cross-sectional	Resilience Scale (25 items)	1,2	2,4	SF-36; Social Provision Scale; GDS-15; Age; Gender; Single living; "General fatigue" in MFI-20.
11	Hurría et al. 2019. [63]	2019	US	n = 256; Breast Cancer	Prospective clinical trial	Return to within 10 points of their prechemotherapy European Organization for Research and Treatment of Cancer Quality of Life Questionnaire physical function subscale at 12 months.	1,2	2,4	Demographics; Tumor information; Physical Health Section-Subscale of Older American Resources and Services; Medical Outcomes Study Social Support Survey; Hospital Anxiety and Depression Scale; Blessed Orientation-Memory-Concentration test; FIM; Length of stay; Discharge destination; Mortality; Gender; Age; Marital status; Non-English speaking background; Home living environment; Admission diagnosis; Comorbidities; Medication use; MMSE; Rowland Universal Dementia Assessment Scale.
12	Kohler et al. 2017. [39]	2017	Australia	n = 29, Fracture	Longitudinal	CD-RISC	1,2	2,4	New York Heart Association classification; Society of Thoracic Surgery risk index; Frailty assessment (grip strength, slow gait); Center for Epidemiological Studies Depression Scale; Unintended weight loss; Physical Activity Scale for the Elderly; Adverse events post-surgery including rehospitalization and deaths; Duke Activity Status Index; SF-12.
13	Kotajarvi et al. 2017. [40]	2017	US	n = 103, Cardiac	Longitudinal	Not explicitly defined; <i>resilience</i> used as key word and in discussion; frailty potentially.	1,2	2,4	Age; Gender; BMI; Blood pressure; Heart rate; Medical history; Medication use; CIRS; Mortality.
14	Lagro et al. 2014. [48]	2014	Netherlands	n = 238, Fallers	Retrospective cohort	Not explicitly defined; <i>resilience</i> as key word linked to physical function; potential for blood pressure recovery pattern.	1	4	Age; Sex; Medical history; Fracture type; Surgical treatment; Duration of surgery; CIRS, ADL/IADL; C-reactive protein; Hemoglobin level; Serum creatinine; Estimated creatinine clearance; Serum albumin; Cockcroft creatinine clearance; Albumin value; Procalcitonin concentrations; Soluble CD14s and neopterin; Soluble factors IFN-inducible protein 10 and IL-6.
15	Larsen et al. 2017. [41]	2017	France	n = 102, Fracture	Longitudinal	Host immunity; heparinized blood samples; neopterin as a prognostic biomarker.	1	4	

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16	Lee et al. 2020. [57]	2020	Taiwan	n = 267; Cardiovascular disease and Sarcopenia	Cross-sectional	Resilience Scale (25 items)	1,2	2,4	Demographics; Exercise; Cardiovascular disease status.
17	Lim et al. 2019. [46]	2019	Singapore	n = 152, Hip Fracture	Longitudinal	SF-36; Connor-Davidson Resilience Scale	1,2	2,4	Demographics; Comorbidity; Fracture characteristics; Falls.
18	Mehra et al. 2008. [42]	2008	USA	n = 105, Moderate disability (defined by the SPPB)	Longitudinal	Hardy-Gill Resilience Scale	1,2	2,4	SPPB; MMSE; Age; Gender; Race; Marital status; GDS; National Health Interview Survey with ADL/IADL; Short Version Apathy Scale; Co-morbidity Disease Index
19	Milte et al. 2015. [61]	2015	Australia	n = 136, Frailty	Randomized trial	Multidimensional Health Locus of Control scale	1,2	2,4	Sociodemographic; Admission diagnosis; Length of stay; MMSE; Inter RAI Post-Acute Care (interRAI PAC); Changes in Health; End-stage disease; Signs and Symptoms scale; ADL; EQ-5D; GDS; Modified Barthel Index; Care Transition Measure
20	Morete et al. 2018. [58]	2018	Brazil	n = 108, Pain	Cross-sectional	Connor-Davidson Resilience Scale	1,2	2,4	Geriatric Depression Scale; SF-36; Mini Mental State Instrument
21	Musich et al. 2019. [59]	2019	US	n = 3,824, Pain	Cross-sectional	Brief Resilience Scale;	1,2	2,4	Pain-related survey; PEG assessment scale; Veterans Rand-12; National Drug Codes; Patient Health Questionnaire-2; Pittsburgh Sleep Quality Index; Multidimensional Health Locus of Control (MHLC); Social Network Index; Demographics
22	Rebagliati et al. 2016. [49]	2016	Italy	n = 81, Frail and Hip or knee surgery	Prospective cohort	Resilience Scale (10 items)	1,2	2,4	MMSE; Age, Gender, Living arrangement; Health; Nutrition; Cognitive status; Multidimensional Prognostic Index; ADL/IADL; Mini-Nutritional Assessment; CIRS; Extol-Smith Scale; Short Portable Mental Status Questionnaire; Number of drugs used; Cohabitation status; WHO Quality of Life-BRIEF; GDS; FIM
23	Resnick et al. 2011. [50]	2011	US	n = 200, Fracture	Prospective cohort	Resilience Scale (14 items)	1,2	2,4	CCI; BMI; Yale Physical Activity Survey; ActiGraph
24	Resnick et al. 2016. [55]	2016	US	n = 89, Pain	Cross-sectional	Physical Resilience Scale	1,2	2,4	Mini-Cog; Age; Sex; Race; Marital status; Education; Traumatic event; Admission dates; Orthopedic diagnosis; CCI; Length of stay; Barthel Index; Physical Activity for Longterm Care Survey; Pain Verbal Descriptor Scale; Delirium-O-Meter; Medication use

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25	Resnick et al. 2016. [62]	US	2016	n = 89, Fracture or other orthopedic trauma	Randomized trial	Physical Resilience Scale	1,2	2,4	Mini-Cog; Age; Gender; Race; Marital status; Education; Traumatic event; Admission diagnosis; Course between trauma and admission; CCI; Discharge location; Adverse events; Barthel Index; Physical Performance and Mobility Examination; Physical Activity Survey; Function Focused Care Behaviour Checklist for Patients; Actigraphy; GDS; Pain Verbal Descriptor Scale; Delirium-O-Meter; Fear of Falling questionnaire.
26	Resnick et al. 2018. [51]	US	2018	n = 258; Hip fracture	Prospective cohort	Resilience Scale (25 items)	1,2	2,4	Demographics; Modified Mini-Mental State Exam; Number of pain regions; Dual-energy X-ray absorptiometry; Yale Physical Activity Survey; Lower Extremity Gain Scale; Short Physical Performance Battery; Grip strength;
27	Resnick et al. 2019. [52]	US	2019	n = 172; Hip fracture	Prospective cohort	Resilience Scale (25 items)	1,2	2,4	Demographics; Modified Mini Mental Status Exam; Comorbidities; Social activities; Blood sample for DNA; Areas of pain and Numeric Rating Scale; Physical and Instrumental Activities of Daily Living; Lower Extremity Gains Score; Short Physical Performance Battery; Grip Strength; Yale Physical Activity Scale.
28	Sadler et al. 2017. [64]	United Kingdom	2017	n = 38, Stroke	Experimental	Brief Resilience Scale; Quality Of Life	1,2	2,4	SF-12; Frenchay Activities Index; Hospital Anxiety and Depression Scale.
29	Sciumè et al. 2018. [53]	Italy	2018	n = 80; Orthopedic surgery	Prospective cohort	Resilience Scale	1,2	2,4	Demographics; Multidimensional Prognostic Index; Functional Independence Measure (FIM); World Health Organization Quality of Life-BREF (WHOQOL-BREF).
30	Wahl et al. 1999. [43]	Germany	1999	n = 168, Visually impaired	Longitudinal	Psychological resilience in context of ADL/ADL	1,2	2,4	MMSE; Older Americans Resources and Services questionnaire for use of outdoor resources; ADL/ADL; Philadelphia Geriatric Center Morale Scale.
31	Wister et al. 2018. [24]	Canada	2018	n = 6771, Multimorbidity	Baseline data from Longitudinal	Multimorbidity resilience index (additive index comprised of summary performance score, Older Americans Resources and Services scale, Diener Satisfaction with Life Scale, Center for Epidemiological Studies Depression Scale, Kessler Psychological Distress Scale, Medical Outcomes Study Social Support Survey, Ordinal resilience index items, Loneliness, Social participation)	1,2,3	2,3,4	Demographics; Emergency room visits/Hospital stays; Perceived health; Sleep quality; Comorbidities; Activity level; Alcohol consumption; Pain.

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32 Wister et al. 2019. [60]	2019	Canada	n = 6,771, Multimorbidity	Baseline data from Longitudinal	Total resilience index (additive index comprised of summary performance score, Older Americans Resources and Services scale, Diener Satisfaction with Life Scale, Center for Epidemiological Studies Depression Scale, Kessler Psychological Distress Scale, Medical Outcomes Study Social Support Survey, Ordinal resilience index items, Loneliness, Social participation)	1,2,3	2,3,4	Demographics; Activity level; Alcohol consumption; Pain.
33 Zimmerman et al. 1999. [44]	1999	US	n = 272, Fracture	Longitudinal	Center for Epidemiological Studies Depression Scale	1,2	2,4	Functional Status Index; Older Americans Resources and Services Instrument; Social functioning; MMSE; CCI.

ADL = Activities of Daily Living; BMI = Body Mass Index; CCI = Charlson Comorbidity Index; CD-RISC = Connor-Davidson Resilience Scale; CIRB = Cumulative Illness Rating Scale; EQ-5D = EuroQol 5 Dimension; GDS = Geriatric Depression Scale; FIM = Functional Independence Measure; GFR = Glomerular Filtration Rate; IADL = Instrumental Activities of Daily Living; MMSE = Mini Mental State Examination; SF-12 = Short-Form Health Survey (12-item version); SF-36 = Short-Form Health Survey (36-item version); SPPB = Short Physical Performance Battery; QOL = Quality of Life.

Domain: (1) = body function or structure (signs or symptoms, biomarkers, etc.); (2) activity and participation (quality of life, etc.); and (3) societal impact of the pathology.
 Subdomain: (1) death, (2) life, (3) resource use or economic impact, (4) pathophysiological manifestations.