Index

Note: Page numbers of article titles are in **boldface** type.

**A**
- Aarhus University Hospital, Denmark, integrated care program of, 671
- Aging. See also Frail elderly persons. comorbidity in, 594–595
- Allostasis, in stress, 577
- American Geriatric Society Project to Increase Geriatric Expertise in Surgical and Medical Specialties, 707
- Anxiety
  - medical illness with, 551
  - somatoform disorders with, 612–613, 615–617
- Atherosclerosis, in depression, 580–582
- Autonomic nervous system imbalance, in metabolic syndrome, 579–580

**B**
- Back pain, in somatoform disorders, 604
- Behavioral health disorders
  - care providers for, interaction with general medical care providers, 555–556
  - costs of, 560–561
  - in medical setting, 550–551
  - integrated care for, 560–564
  - medical disorders with, 556–559
  - nontreatment and treatment delay in, 552–554
  - prevalence of, 550–551
  - treatment of, 554–555
  - in behavioral health settings, 664–667
  - in primary care settings, 659, 661–664
- Biologic domain, of INTERMED method, 716–718, 740
- Biopsychosocial model of medicine
  - integrated care derived from, 533–534
  - INTERMED and. See INTERMED method.
    - training in, 670–672
- Body dysmorphic disorder, diagnostic criteria for, 607, 611

**C**
- Cardiovascular disease
  - in psychosocial stress, 582–583
  - metabolic syndrome and depression with. See Metabolic syndrome, depression and cardiovascular disease with.
- Cardiovascular Health Study, on frailty, comorbidity and disability, 595
- Case management, in integrated care, 539–540, 546, 650–651
- Case mix groups, in case and care complexity assessment, 681
- Chronic-care models, in integrated care, 667–669
- Clinical decision support systems, in integrated care, 539, 544–545
- Clinimetric measures, communimetric measures derived from, 694–695
- Cochrane Collaboration, database of, for integrated care evaluation, 542
- Cognitive adaptation theory, in diabetes mellitus with depression, 634
- Cognitive behavioral therapy, for depression, with diabetes mellitus, 635–636
- Collaboration, interprofessional, in integrated care, 537–539, 545–546, 555–556
- Communimetrics, in integrated care, 693–701
  - action levels in, 695–696
  - decision-support approaches in, 698
Communimetrics (continued)
  decision-support strategies in, 698–701
  development of, 694–695
  in INTERMED method, 735–736
  information amount for, 696
  item-level reliability of, 696
  malleability of, 696
  partner involvement in, 697
  principles of, 695
  service-delivery relevance of, 697
  utility of, 697–698

Comorbidity. See also Complex patients
  and care.
  in frail elderly persons, 594–595
  in somatoform disorders, 612–617

Complex patients and care, 679–692
  assessment of, 680–689
    patient grouping methodologies for, 680–681
    statistical case finding instruments for, 681–683
    theory-driven, 683–686
  case versus care, 680
  definition of, 535–536, 679–680
  frail elderly, 593–601
  identification of, 703–712
    complexity-specific approach to, 707–709
    disease-specific approach to, 707–709
    factors influencing, 705–706
    in medical complexity, 710–711
  INTERMED in. See INTERMED.
  stepwise screening method for, 704–705
  integrated care for. See Integrated care.
  levels of, 680

Complexity Prediction Instrument (COMPRI), 682, 704, 715

Consultation, in integrated care, 649–654

Contracts, in integrated care, 661–662

Conversion disorder, diagnostic criteria for, 608, 611

Corticosteroids, in stress response, 584–585

Cortisol, excess of, in depression, 579

C-reactive protein, in depression, 581–582

Current state variable, of INTERMED method, 717–718, 740–742

Cytokines
  in depression, 581–582
  in stress response, 578

D

Decision support, communimetrics in, 698–701

Depression
  atherosclerosis in, 581–582
  autonomic nervous system imbalance in, 579–580
  diabetes mellitus with. See Diabetes mellitus, depression with.
  endothelial dysfunction in, 580–581
  epidemiology of, 628–629
  hypothalamus-pituitary-adrenal axis activation in, 579
  inflammation in, 581–582
  medical illness with, 557
  metabolic syndrome and cardiovascular disease with. See Metabolic syndrome, depression and cardiovascular disease with.
  prevalence of
    in general population, 551
    in medical patients, 551
  screening for, 703–712
  somatoform disorders with, 612–617

Depression in Primary Care program, 668

Diabetes mellitus
  autonomic nervous system imbalance and, 579–580
  depression with, 557, 627–646
    causal pathways between, 633–634
    complication risk and, 629
    disability in, 629–630
    epidemiology of, 627–629
    future research on, 641–642
    glycemic control in, 629
    health care costs of, 630
    integrated care for, 638–642
    medication adherence in, 630–631
    mortality in, 632–633
    quality of life effects of, 629–630
    screening for, 640
    self-care behaviors in, 631–632
    treatment of, 635–642
    work productivity in, 629–630
    economic costs of, 627, 630
    epidemiology of, 627–629
    management of, with depression, 629–632
    mortality in, 632–633
    pathogenesis of, 633–634
    risk of, in metabolic syndrome, 575

Diagnosis-related groups, in case and care complexity assessment, 681
Disability
dual, integrated care for, effectiveness of, 544
in diabetes mellitus with depression, 629–630
in frail elderly persons, 595

Disease management plans, in integrated care, 667–669
evaluation of, 543
methodology of, 536–537

Dual disability, integrated care for, 544

Dyspepsia, in somatoform disorders, 604

E

Eclecticism, in integrated care, 538
Educational elements, in integrated care, 661–662
Elderly persons frail. See Frail elderly persons.
psychosocial stress in, cardiovascular effects of, 582–583
Eligibility models, of decision support, 699–700
Endothelial dysfunction
in depression, 580–581
in psychosocial stress, 583
Evans method, for case and care complexity assessment, 682
Extended Reattribution and Management (TERM) model, 621

F

Fluoxetine, for depression, with diabetes mellitus, 635–636
Food intake, stress and reward mechanisms in, 584–585
Four Quadrant Clinical Integration Model, 665–666
Fragmentation of care, 549–572
costs of, 560–561
in diabetes mellitus with depression, 638
morbidity related to, 556–559
poor outcomes in, 693
provider interactions and, 555–556
statistics on, 550–555
versus integrated care, 562–564
Frail elderly persons, integrated care for, 593–601, 683, 707

G

Glass index, for case and care complexity assessment, 682
Glycemic control, depression effects on, 629
Groningen Frailty Indicator, 597–600

H

Headache, in somatoform disorders, 604
Health care domain, of INTERMED method, 717–719, 742–743
Health technology assessments, 541
Heart rate, in depression, 579–580
Hippocampus, activation of, in stress, 584–585
History variable, of INTERMED method, 716–717, 740–742
Hospitals, integrated care models for, 649–660
day hospitals, 659–660
type I (psychiatric units with medical consultation), 649
type II (consultation-liaison), 650–654
types III and IV (medical-psychiatric units), 654–659
How dimension, in integrative care model, 663
Hypercholesterolemia, in psychosocial stress, 583
Hypercortisolemia, in depression, 579
Hypochondriasis
diagnostic criteria for, 607, 611
somatoform disorders with, 612
Hypothalamus-pituitary-adrenal axis, activation of
in depression, 579
in stress, 578, 584–585
Immune system, stress response of, 578

IMPACT (Improving Mood: Promoting Access to Collaborative Treatment), 544, 594, 668, 707–709

Improving Mood: Promoting Access to Collaborative Treatment (IMPACT), 544, 707–709

Institute of Medicine, integrated care report of, 672

Insulin resistance
  in metabolic syndrome, pathologic changes associated with, 574, 578
  platelet dysfunction in, 581

Integrated care, 533–548
  communication in, 693–701
  core components of, 563
  definition of, 534–536
  effectiveness of, 541–546
    case management and, 546
    clinical support systems and, 544–545
    data synthesis and, 542–543
    disease management and, 543
    dual disability and, 544
    interprofessional collaboration and, 545–546
    primary care, 544
    quantitative versus qualitative, 541–542
    versus efficacy, 541
  for diabetes with depression, 627–646
  for frail elderly persons, 593–601
  for functional somatic disorders, 603–626
  for medically complex patients, 679–692, 710–711
  future of, 672–673
  indications for, 703–712
  INTERMED method for, See INTERMED method.
  methodology of, 536–541
    case management in, 539–540
    clinical decision support systems in, 539
    disease management plans in, 536–537
    interprofessional collaboration in, 537–539
    outcome measures in, 540–541
    quantitative versus qualitative, 541–542
  models of, 647–677
    barriers to, 669–672
    chronic-care, 667–669
    disease-management, 667–669
    future of, 672–673
    history of, 647–649
    hospital-based, 649–660
    primary care–based, 659, 661–669
    training issues in, 670–672
    type I (psychiatric units with medical consultation), 649
    type II (consultation-liaison), 650–654
    types III and IV (medical-psychiatric units), 654–659
  outcome of, components for
    improving, 672–673
    public policy for, 666–667
    reflections on, 759–760
    synonyms for, 536
    terminology of, 534–536
  versus fragmented care, 549–572
  versus integrated medicine, 534

Integrated medicine, versus integrated care, 534

Interational determinants, of successful interprofessional collaboration, 545

Interleukin(s), in depression, 581–582

INTERMED method, 651, 688–689, 704, 711, 713–758
  biologic domain of, 716–718, 740
  case examples of, 722–730, 744–755
  clinical applications of, 737–739
  communimetric properties of, 735–736
  current state variable of, 717–718
  description of, 716–719
  evaluation of, 730–736
  for frail elderly persons, 599–600
  future development of, 739
  health care domain of, 717–719
  history variable of, 716–717
  information on, 736–737
  interview in, 743–744
  manual for, 736–737
  prognosis variable of, 718–719
  psychologic domain of, 717–718, 740–741
  purpose of, 714–716
  scoring of, 719–730
  case study of, 722–730
  data collection for, 720–721
  interview in, 720–722
  total, 727–730
  social domain of, 717–719
  treatment plan derived from, 729–730
  variables in, 716–719, 739–743

Interview, in INTERMED method, 743–744
L
Length of stay, in case and care complexity assessment, 682, 686–688
Liaison, in integrated care, 650–654
Life-course approach, to medically complex patients, 575–577
Limbic system, activation of, in stress, 584–585

M
MacArthur Foundation Initiative on Depression and Primary Care, 668
Mastery, in stress response, 634
Medically complex patients, 679–692
assessment of, 680–689
patient grouping methodologies for, 680–681
statistical case finding instruments for, 681–683
theory-driven, 683–686
case versus care, 680
definition of, 679–680
levels of, 680
Memorial Sloan-Kettering Cancer Center, integrated care program of, 671
Mental illness. See Psychiatric disorders; specific disorders.
Metabolic syndrome, depression and cardiovascular disease with,
573–591, 685–686
integrated treatment of, 585–587
life-course approach to, 575–577
pathophysiology of, 577–585
autonomic nervous system imbalance in, 579–580
endothelial dysfunction in, 580–581
food, stress, and reward interactions in, 584–585
hypothalamus-pituitary-adrenal axis activation in, 579
inflammation in, 581–582
insulin resistance, 578
platelet dysfunction in, 581
psychosocial stress in, 582–583
versus normal stress response, 577–578
relationship among, 575
Mortality, in medically complex patients, 632–633, 665
Multidisciplinary teamwork, in integrated care, 537–539, 692–701
Multifactorial diseases, in elderly persons, 593–594

N
National Council for Community Behavioral Health Care, Four Quadrant Clinical Integration Model of, 665–666
National Institute of Mental Health, Depression Awareness, Recognition and Treatment Program of, 707
Neuroticism, 683–685
Nortriptyline, for depression, with diabetes mellitus, 635–636

O
Obesity
autonomic nervous system imbalance and, 580
fetal environment related to, 576
in hypercortisolism, 579
in metabolic syndrome, depression and, 575
limbic system activity and, 584–585
Objective complexity factor, in complex cases, 687
Obsessive-compulsive disorder, somatoform disorders with, 612–613
Organizational determinants, of successful interprofessional collaboration, 545
Outcome measures, for integrated care, 540–541, 545–546

P
Pain, in somatoform disorders, 604–605
Pain disorder, diagnostic criteria for, 608
Panic disorder, somatoform disorders with, 612–613
Paranoia, somatoform disorders with, 612
Partnership Analysis Tool, 539
Pathway study, in complex case identification, 708–709
Patient Health Questionnaire in complex case identification, 707–708
in somatoform disorders, 617–619
Personality disorders, somatoform disorders with, 612
Platelet dysfunction, in insulin resistance, 581
Prevention of Suicide Primary Care Elderly: Collaborative Trial (PROSPECT) study, 668

Prognosis variable, in INTERMED method, 718–719, 743

PROSPECT (Prevention of Suicide Primary Care Elderly: Collaborative Trial) study, 668

Psychiatric disorders. See also specific disorders.
behavioral. See Behavioral health disorders.
borderline with normality, 609–610
diagnosis of, false positives and false negatives in, 610
medical illness with, 551
with medical disorders, integrated care for. See Integrated care.

Psychologic domain, of INTERMED method, 717–718, 740

Psychosocial stress
depression and, 633–634
diabetes mellitus and, 633–634
physical effects of, 582–583

Psychosomatic medicine, 647–648, 654–659

Psychotherapy, for depression, with diabetes mellitus, 635–636

Self-esteem, restoration of, in stress response, 634

Self-management abilities, in frail elderly persons, 595–597

Shared risk factor hypothesis, in complex cases, 685–686

Social domain, in INTERMED method, 717–719, 741–743

Social phobia, somatoform disorders with, 612–613

Socioeconomic status, metabolic syndrome risk and, 576–577

Somatization disorder, diagnostic criteria for, 606

Somatoform disorders, 603–626
diagnosis of, 605–625
borderline to normality, 609–610
comorbidity in, 612–617
criteria for, 605–609
new, 610–612
economic impact of, 605
symptoms of
management of, 619–622
measurement of, 617–619
unexplained, 604–605

Stress
accumulation of, health effects of, 577
depression and, 633–634
diabetes mellitus and, 633–634
normal response to, 577–578
physical effects of, 582–583

Stress process model, in diabetes mellitus with depression, 634

Substance abuse, medical illness with, 559

Systemic determinants, of successful interprofessional collaboration, 545

Team, multidisciplinary, in integrated care, 537–539, 692–701

TERM (Extended Reattribution and Management) model, 621

Tumor necrosis factor, in depression, 581–582

Undifferentiated somatoform disorder, diagnostic criteria for, 607, 611–612
Wagner chronic illness care model, 667–669
Waist circumference, in metabolic syndrome, 573
What dimension, in integrative care model, 663

When dimension, in integrative care model, 663
Who dimension, in integrative care model, 662
Work productivity, in diabetes mellitus with depression, 629–630