

# Index

Note: The letters ‘f’ and ‘t’ following the locators refer to figures and tables respectively

## A

- ACSM/AHA (2007) exercise guidelines, 110
  - ACSM, *see* American College of Sports Medicine (ACSM)
  - ACS, *see* American College of Surgeons (ACS)
  - Adams, A., 14
  - Adams, S., 23, 35, 39
  - Adipocytes, addition of, 56
  - Adjustable gastric banding, 62
    - See also* Lap band
  - Adolescent obesity
    - adolescent co-morbidities, *see* Co-morbidities, adolescence
    - association of pubertal changes with obesity, 56–57
    - clinical considerations
      - endogenous causes of obesity, 57
      - genetic causes, 58
      - hormonal causes, 57
      - medications, 58
    - treatment for extreme obesity
      - Atkins Diet, 61
      - bariatric surgery, 61
      - low-glycemic diets, 61
      - medications, 61
      - protein power, 61
  - Adolescent obesity, review of treatment literature
    - causes of obesity, 44–45
    - factors, 44–45
    - consequences of obesity, 43–44
    - pediatric obesity, 43–44
    - family-based and individual interventions, 47–48
      - SHAPEDOWN, 48
    - primary-care interventions
      - pharmacotherapy, 49–50
      - surgery in adolescents, 51–52
    - school-based and internet-based interventions, 45–46
      - family-based and individual interventions, 47–48
      - Health Improvement Program for Teens (HIP Teens), 46
      - Health in Motion, 46
      - New Moves Prevention Program, 45
      - Planet Health, 46
  - Adolph, A., 11
  - Adult Lean, 31
  - AHA, *see* American Heart Association (AHA)
  - Ahina, L. K., 27, 31, 36, 39
  - Ali, M.R., 115, 117
  - Alpert, P., 15
  - AMA, *see* American Medical Association (AMA)
  - American College of Sports Medicine (ACSM), 103
  - American College of Surgeons (ACS), 125
  - American Council on Exercise, 112
  - American Heart Association (AHA), 103
  - American Medical Association (AMA), 6
  - American Society of Metabolic and Bariatric Surgeons (ASMBS), 125
  - American Society for Nutrition, 95
  - Ames, R.W., 95
  - Andersen, R.E., 11, 16
  - Anderson, J., 11
  - Anderson, K., 13
  - Andrasik, F., 75
  - Anxiety, 5, 15, 16, 29, 30, 31, 62, 104
  - Apovian, C.M., 93, 97, 98
  - Appugliese, D., 14
  - Apter A., 75
  - Arrhythmias, 62
  - Arscott-Mills, T., 14
  - Arthritis, 94, 99, 115
  - Ashe, M., 23, 27, 38
  - Asthma, 9, 13, 57, 59, 94
  - Atkins diet, 61
  - Atlantis, E., 74
  - Auinger, P., 65
  - Autism, 58
  - Avidor, Y., 119
  - Avinoach, E., 51
- ## B
- Bagby, K., 23, 35, 39
  - Bailostosky, K., 15
  - Balance/flexibility training, 105
  - Balance training, 105–106

- Bandura, A., 35  
 Bansal, N. K., 46  
 Baranowski, T., 15  
 Barbera, B. L., 43  
 Bariatric center of excellence, 124–125  
 Bariatric surgery  
   bariatric center of excellence, 124–125  
   bariatric team, 123  
   biliopancreatic diversion (BPD), 117  
   eligibility criteria and patient selection for  
     bariatric surgery  
       psychological screening, 122–123  
   future developments, 125–126  
   gastric restrictive procedures  
     laparoscopic adjustable gastric banding,  
       117–118  
   health co-morbidities, 115–116  
   improvement in co-morbidities by procedure,  
     121–122  
   insurance coverage, 124  
   laparoscopic adjustable gastric band  
     (LAGB), 117  
     long-term complications, 118  
     reasons for inadequate weight loss, 118  
   malabsorptive procedures  
     biliopancreatic diversion or duodenal  
       switch, 119–120  
     combination (restrictive and malabsorptive)  
       procedures, 119–120  
       Roux-en-Y gastric bypass, 120–121  
   matching patients to procedures, 124  
   psychological quality of life in morbid  
     obesity, 116  
   treatment, 116–117  
   types, 117  
   vertical banded gastroplasty, 119  
 Bariatric surgery for adolescents, 51  
 Bariatric team, 123  
 Barlow, S. E., 5, 6, 7, 9, 46  
 Barnes, E. H., 74  
 Barnoya, J., 89  
 Bartlett, S.J., 11  
 Baughcum, A., 14  
 Baum, A., 31, 49, 85  
 Becker, M., 15  
 Becque, M. D., 48  
 Beech, B. M., 22, 27, 33, 36, 38, 39  
 Beecher, M. D., 22  
 Behavior change, strategies to promote  
   goal setting/shaping/behavioral contracting, 35  
   modeling, 36  
   positive reinforcement, 36  
   self-monitoring, 35  
   stimulus control, 35  
 Bell, S., 16  
 Bereket, A., 50  
 Berenson, G. S., 15, 65  
 Berkowitz, R. I., 50  
 Bernard, M.A., 94, 95  
 Berry, D., 26, 36  
 Biliopancreatic diversion (BPD), 117  
 Billington, C.J., 94  
 Birmaher, V., 67  
 Bjørnsbo, K., 15  
 Blatner, A., 37  
 Blount's disease, 9, 59  
 Bluford, D. A. A., 66  
 Body mass index (BMI), 6, 43, 85, 93, 115  
 Boldrin, M., 50  
 Booth, M. L., 67  
 Borg 15-point scale, 108  
 Borg, G., 108  
 Boyce, W., 16  
 Bozynski, K., 14  
 BPD, *see* Biliopancreatic diversion (BPD)  
 Bradley, L. J., 51  
 Bradley, R., 14  
 Brand, D., 16  
 Braun, S., 119  
 Braunwald, E., 119  
 Brethauer, S., 126  
 Briefel, R., 15  
 Britton, C., 31  
 Brolin, R. E., 51  
 Bronfenbrenner, U., 23  
 Broome, M. E., 74  
 Brownell, K. D., 47, 74, 85, 89  
 Buckley, J. D., 74  
 Budd, G. M., 50, 67  
 Bungeroth, H., 67  
 "Burden of exercise", 86  
 Burdette, H., 12, 16  
 Burguera, B., 95  
 Burwinkle, T. M., 44  
 Butler, B. A., 87  
 Butte, N., 11
- C**  
 Calderon, K., 5  
 Campbell, K., 16  
 Cancer, 44, 55, 59, 65, 85, 94, 104, 116  
 Cardiorespiratory training, 105, 106–109  
   cardiorespiratory energy expenditure for body  
     weight and body fat reduction, 109  
   intensity of, 107–108  
   training volume and progression algorithm,  
     108–109  
 Cardiovascular disease (CVD), 8, 58, 104, 111, 112  
 Carroll, M. D., 15, 22, 43  
 Carruth, B., 15  
 Cashin, S. E., 74  
 Cason, K., 14  
 Caspersen, C.J., 12  
 Cawley, J., 11  
 Center for Disease Control and Prevention, 65, 97

- Center of Excellence (COE) in Bariatric Surgery, 125
- Centers for Disease Control and Prevention (CDC), 43, 103
- Chamberlin, L., 14
- Change model, stages of
  - action, 29
  - commitment or self-liberation, 29
  - consciousness raising, 29
  - contemplation, 29
  - contingency management, 30
  - countering, 230
  - emotional arousal, 29
  - environmental reevaluation, 29
  - helping relationships, 29
  - precontemplation, 29
  - processes that facilitate change, 29
  - self-reevaluation, 29
  - social liberation, 29
  - stimulus control, 30, 230
  - termination, 29
- Chanoine, J., 50
- Chehab, L. G., 26
- Chen, J., 14
- Chen, S., 26
- Cheskin, L.J., 11
- Chiang, E., 5
- Childhood obesity interventions, practical guidelines for
  - cultural issues
    - beliefs and practices, food and nutrition, 26–27
    - cultural adaptations, 26
    - culture-based programs/program facilitators, 27
    - family-based interventions, 26–27
    - geographic location, 27
    - socioeconomic status, 27
    - thinness, 26
    - westernization, 26
    - working with diverse families, 27
  - factors to consider, designing child obesity interventions, 22–23
    - contributors to childhood obesity, 22
    - intervene with children, reason, 21–22
    - consequences of childhood obesity, 22
  - practical guidelines for clinicians, *see* Clinicians, practical guidelines for
  - social–ecological model, 23
    - conditions, healthy behavior maintenance, 23
    - strategies to support healthy lifestyle behaviors among children, 24*t*–25*t*
  - stages of change model, 28–30
    - matching stage of change status with appropriate strategies for child obesity, 30*t*
  - See also* Change model, stages of
- Childhood obesity treatment literature review
  - body mass index (BMI), 6
  - common medical problems, 5
  - familial influence on treatment, 13–14
  - goal setting, 16–17
  - health-care providers, recommendations from, 5
  - key treatment concepts, 5
  - medical evaluation and treatment of children, 6–10
    - multidisciplinary team, 6
  - nutrition assessment and treatment, 10–11
    - barriers to change in family lifestyles, 11
    - nutritional recommendations, 10
    - patients with co-morbid medical conditions, 10
  - personal influences on treatment, 14–15
  - physical fitness assessment and treatment, 11–13
    - sociocultural factors affecting treatment, 15–16
- Child obesity, matching stage of change status with appropriate strategies for, 30*t*
- Children, medical evaluation and treatment of
  - cardiovascular conditions, 8
  - child and family goals, 6
  - comprehensive multidisciplinary protocol, 7
  - insulin resistance–associated conditions, 8
  - musculoskeletal conditions, 9
    - weight goals, 9–10
  - respiratory conditions, 9
  - structured weight management, 7
  - tertiary care protocol, 7
- Choi, M.P., 115
- Chokkalingham, K., 94
- Cholelithiasis (gallstones), 22, 58
- Chou, C.P., 36
- Choy, D., 21
- Clinical pediatric obesity interventions, 49
- Clinicians, practical guidelines for, 31–38
  - advantages of group approaches, 33
  - assess child and family readiness, 31
  - assess needs of your target population, 31
  - collect quantitative/qualitative outcome data, 38
  - community resources, 37–38
  - comprehensive curriculum, 34
    - behavioral change strategies, *see* Behavior change, strategies to promote
    - emotional issues, 36
    - healthy coping and problem-solving skills, 36
    - nutrition and healthy eating behaviors, 34
    - physical activity, 34
  - develop referral, screening, and intake processes, 31
  - family-based approach, 33
  - motivational interviewing techniques, 32
  - nutrition and healthy eating behaviors, 33, 34

- Clinicians, practical guidelines for (*cont.*)  
 orientation formats, 31  
 parental involvement, 33  
 resources, community, *see* Community resources  
 structure program to maximize attendance, 32–33  
 utilize behavior change strategies in intervention process, 36  
 utilize group formats, 33  
 utilize multi-modal teaching, 37
- Coates, A. M., 74  
 Coates, T. J., 47  
 Cognitive behavioral therapeutic approaches, 97  
 Cognitive behavioral therapy, 61  
 Colditz, G. A., 89  
 Cole, K., 10, 27, 35, 39  
 Coleman, G., 10  
 Community resources  
 healthy foods and locations to obtain them, 38  
 physical activity, 37  
 stress management and healthy coping skills, 38
- Co-morbidities, adolescence, 58–61  
 cognitive behavioral therapy, 61  
 dietary treatment, 60  
 gastrointestinal complications  
 cholelithiasis (gallstones), 58  
 non-alcoholic fatty liver disease, 58  
 non-alcoholic steatorrheic hepatitis (NASH), 58  
 pseudotumor cerebri (benign intracranial hypertension), 58  
 insulin resistance, 58  
 management of adolescent obesity, 59–60  
 metabolic syndrome, 58  
 orthopedic problems, 59  
 Blount's disease, 59  
 flatfoot, 59  
 slipped capital femoral epiphysis (SCFE), 59  
 physical activity, 60  
 pseudotumor cerebri (benign intracranial hypertension), 58  
 psychological complications, 59  
 pulmonary complications, 59  
 reproductive complications  
 Polycystic ovarian syndrome (PCOS), 59  
 Type 2 diabetes, 58
- Contingency management, 30, 45, 74, 97  
 Cook, S., 11, 27, 34, 37, 65  
 Cooper, G.J., 95  
 Coping skills training (CST), 36  
 Counts, D., 5  
 Craft, R.O., 97  
 Craig, W., 16  
 Crawford, D., 15  
 Crawford, P., 16  
 Creighton, L., 51  
 Crespo, C.J., 11  
 Cronquist, J. L., 50  
 Crow, S., 75  
 CST, *see* Coping skills training (CST)
- D**  
 Daniels, S, 65  
 Darmon, N., 15  
 D'Auria, J., 27  
 Davis, H.S., 13, 14, 23, 26  
 Davis, R., 32, 85  
 Dearing, K, 13  
 Deeks, C., 13  
 DeLago, C., 14  
 De Luca, F., 5  
 Dementia, 104  
 Depression, 5, 15, 22, 31, 36, 44, 57, 59, 85, 88, 94, 100, 104, 116, 123  
 De Simone, M., 44  
 Determination of overweight in children and adolescents, guidelines, 48–49  
 Diabetes mellitus, 22, 65, 99, 104  
 DiClemente, C. C., 28, 29  
 Dielman, T., 15  
 Dietary treatment, 8, 60, 61  
 Diet pills, 55, 56, 62  
 Dietz W.H., 5, 8, 9, 10, 14, 16, 44, 46, 65  
 Dillard, B. E., 52  
 Discomfort with body image, 56  
 Doak, C. M., 67  
 Dolan, K., 51  
 Down Syndrome, 58  
 Dreimane, D., 49  
 Drewnowski, A., 15  
 Drohan, S. H., 35, 36  
 Dumping syndrome, 120, 121  
 Dyslipidemia, 7, 8, 58, 104
- E**  
 Earles, J. E., 85, 89  
 Eating behaviors  
 binge eating, 9  
 consuming large portions, 9  
 emotional eating, 9  
 nocturnal eating, 9  
 obesity hypoventilation syndrome, 10  
 skipping meals, 9  
 Eating behaviors common in adolescents, 56  
 Ebbeling, C. B., 48  
 Ebert, A., 95  
 Economos, C. D., 23, 26, 27, 35, 38  
 Eissa, M., 15  
 Elder, J. P., 3, 83, 95, 105  
 Elkasabany, A., 65  
 Endogenous causes, obesity, 58  
 Epstein, L. H., 13, 14, 16, 76, 85, 89, 90  
 Epstein, Y., 22, 23, 27, 28, 33, 34, 35, 36, 38, 39, 75  
 Ernst, M., 16

Etelson, D., 16  
 Evans, H. L., 35, 95

## F

Fainaru, M. 14, 75  
 Fairburn, C. G., 85  
 Faith, M., 11, 16  
 Family-based and individual interventions,  
 47–48  
     SHAPEDOWN, 48  
 Faulkner, M.S., 14  
 Field, A. E., 4, 25, 79, 89, 90, 104, 117, 125  
 Fielding, G., 51  
 FITT Principle, definition, 105  
 Fitzgibbon, M., 68  
 Fitzpatrick-Nietschmann, J., 26  
 Flatfoot, 59  
 Flegal, K. M. 23, 43  
 Flexibility training, 105–106  
 Flodmark, C.E., 17  
 Fluoxetine (Prozac), 62  
 Flynn, M. A. T., 66  
 Folen, R.A., 31, 85  
 Food diary, 86, 89, 97  
 Food Guide Pyramid, 34  
 Foreyt, J.P., 97  
 Foster, G. D., 85, 89  
 Fowler-Brown, A., 43  
 Fox, M. K., 23, 28, 34, 39  
 Fragile X syndrome, 58  
 Franz, M., 16  
 Freedman, D. S., 65  
 French, S. A., 66  
 Frenn, M., 46  
 Friedrich, E., 95  
 Fruits and vegetable consumption, 89  
 Fry, E. M., 5  
 Fulkerson, J. A., 66  
 Fuller, W.D., 115  
 Fulton, J.E., 12

## G

Gallbladder disease, 22, 94, 121  
 Galuska, D.A., 12  
 Gance-Cleveland, B., 10, 12, 13  
 Garcia, V. F., 51  
 Garg, M., 12  
 Garland, F., 85  
 Garner, H., 27  
 Gastric restrictive procedures  
     laparoscopic adjustable gastric banding,  
     117–118  
 Gastrointestinal complications, adolescent obesity  
     cholelithiasis (gallstones), 58  
     non-alcoholic fatty liver disease, 58  
     non-alcoholic steatorrheic hepatitis (NASH), 58  
     pseudotumor cerebri (benign intracranial  
     hypertension), 58

Genetic causes of obesity  
     Prader–Willi Syndrome (PWS), 58  
 Germann, J. N., 28, 31, 35, 39, 49  
 Gidding, S., 5  
 Glanz, K., 16  
 Going, S., 51, 101  
 Golan, M., 14, 28, 33, 35, 36, 39, 75  
 Goldfield, G. S., 16, 33  
 Goodrick, G.K., 97, 98, 101  
 Gortmaker, S., 14, 44, 46, 72  
 Greenstein, J., 45  
 Grey, M., 26  
 Griffin, S. J., 67  
 Gunner, K., 15

## H

HAES, *see* Health at every size (HAES)  
 Hampl, S., 50  
 Handley, E., 13  
 Hanevold, C., 65  
 Hangen, J. P., 48  
 Hannan, P. J., 45, 66  
 Harrell, J. S., 70  
 Hatzis, C., 69  
 Hauptman, J., 50  
 Health co-morbidities, bariatric surgery,  
     115–116  
 Health at every size (HAES), 59  
 Health Improvement Program for Teens  
     (HIP Teens), 46  
 Health in Motion, 46  
 Heart rate (HR), 107  
 Hedley, A. A., 43  
 Heitmann, B., 15  
 Herman, L., 5  
 Herman-Wenderoth, L., 14  
 Hess, R., 95, 98  
 Hill, J.O., 43, 44  
 Hindmarsh, P., 8  
 HIP Teens, *see* Improvement Program for Teens  
     (HIP Teens)  
 Hoerr, S., 10  
 Hopkins, G., 51  
 Hopman, W., 13  
 Horlick, M. N., 21, 22, 38, 39  
 Hormonal causes, adolescent obesity  
     Cushing's disease, 57  
     Growth hormone deficiency (GHD), 57  
     hypothyroidism, 57  
 Howard, K. R., 34  
 Howe, P. R. C., 74  
 Huang, T. T., 21, 22, 38, 39, 62  
 Hyperlipidemia, 99, 100, 115, 122  
 Hypertension, 7, 8, 22, 44, 57, 58, 62, 85, 99, 104,  
     110, 111, 115, 122, 125  
 Hypogonadism, 58  
 Hypothyroidism, 31, 57  
 Hypoventilation syndrome, 9, 10

**I**

IASO, *see* International Association for the Study of Obesity (IASO)  
 Impaired fasting glucose, 8  
 Improvement Program for Teens (HIP Teens), 46  
 Inelmen, E.M., 98  
 Inge, T. H., 51  
 Insulin resistance, 5, 8, 11, 22, 58  
 Insurance coverage, bariatric surgery, 124  
 International Association for the Study of Obesity (IASO), 103  
 Irigoyen, M., 26  
 Irish-Hauser, S., 23, 26, 27, 35  
 Irwin, C. E., 48  
 Ivey, S., 15

**J**

Jahns, L., 65  
 Jain, A., 14  
 Jakicic, J. M., 87  
 James, L.C., 3, 31, 85, 86, 89  
 Janicke, D. M., 26, 27, 116  
 Janssen, I., 16  
 Jefferson, A., 5  
 Jeffery, R. W., 22, 26, 27  
 Jelalian, E., 21, 22, 33, 34, 36, 39, 67  
 Jensen, C., 50  
 Johnson, C. L., 21, 22, 43  
 Johnston, C. A., 23  
 Jones, E., 15

**K**

Kaciroti, N., 14  
 Kafatos, A., 69  
 Kahwati, L., 38, 43  
 Kalakanis, L., 16  
 Kalarchian, M., 14  
 Katch, V. L., 48  
 Kazak, A., 23  
 Kelman, J. H., 47, 74  
 Kendall, P. C., 85  
 Kennedy, C., 14, 94  
 Keskin, S., 50  
 Khan, L. K., 65  
 Kids Lite Programs, 31  
 Kilanowski, C. K., 23, 33  
 Kilien, J. D., 47  
 Kim, J., 14, 66  
 Kimm, S., 66  
 Kirschenbaum, D. S., 31, 49  
 Kitzmann, K. M., 27, 33, 36  
 Klein, H., 5, 93, 97, 98  
 Klein, S., 5, 93, 97, 98  
 Klem, M. L., 89  
 Knight, J., 14  
 Koeske, R., 75, 76  
 Kogut-Bossler, B., 33  
 Kolar, K., 23

Kolotkin, R.L., 116  
 Koplan, J. P., 21, 22, 23, 28, 36  
 Kotz, C.M., 94  
 Kraak, V. I., 21  
 Kumanyika, S., 15, 26, 27, 28, 39  
 Kushner, R.F., 93, 97, 98

**L**

Labossiere, R., 93  
 Lactate threshold (LT), 107  
 LAGB, *see* Laparoscopic adjustable gastric band (LAGB)  
 Langford, L., 51  
 Laparoscopic adjustable gastric band (LAGB), 51, 97, 117  
   long-term complications, 118  
   reasons for inadequate weight loss, 118  
 Lap band, 62  
   *See also* Adjustable gastric banding  
 Leidig, M. M., 48  
 LeMura, L. M., 74  
 Levine, A.S., 14, 94  
 Lichtarowicz-Krynska, E., 8  
 Lindsay, A., 14  
 Linton J. C., 3, 115  
 Liposuction, 97  
 Lissau, I., 17  
 Litwin, M., 8  
 Liu, E., 5  
 Liverman, C. T., 21  
 Low-glycemic (LG) diets, 48  
 Low-intensity exercise (daily), 86–87  
 Low-intensity exercise as treatment intervention, obese adults  
   cardiorespiratory training, 106–109  
     cardiorespiratory energy expenditure for body weight/fat reduction, 109  
     intensity of, 107–108  
     training volume and progression algorithm, 108–109  
   case example, 112–113  
   considerations for age, gender, and functional disability, 112  
   cool down, 111  
   health outcomes, 104  
   resistance training, 110–111  
   safety concerns for healthy and at-risk populations, 111–112  
   treatment parameters, 104–105  
     balance training, 105  
     cardiorespiratory training, 105  
     FITT Principle, 105  
     flexibility training, 105  
 Vanguard Agencies for Physical Fitness and Health Policy, 103–104  
   warm-up, flexibility, and balance training, 105–106  
 Lowry, K.W., 46, 116

- Low self-esteem, 116  
 LT, *see* Lactate threshold (LT)  
 Lu, C., 21  
 Ludwig, D. S., 6, 7, 48, 85  
 Luepker, R. V., 70  
 Lumeng, J., 14, 16  
 Lutfi, R.E., 116  
 Lytle, L. A., 45
- M**  
 Macgregor, A., 51  
 Malabsorptive procedures  
   biliopancreatic diversion or duodenal switch,  
     119–120  
   combination (restrictive and malabsorptive)  
     procedures, 119–120  
   Roux-en-Y gastric bypass, 120–121  
 Malcom, G.T., 8  
 Malin, S., 46  
 Management of adolescent obesity, 59–60  
   health at every size (HAES), 59  
 Manios, Y., 69  
 Manson, J. E., 65, 85  
 Marcus, D., 5, 14  
 Marks, C. R., 48, 90  
 Marti, C. N., 66  
 Martin, M., 46, 48  
 Mauriello, L. M., 46  
 Maziekas, M. T., 74  
 McAdoo, W. G., 85  
 McCurley, J., 14, 75, 76, 85  
 McDuffie, J. R., 50  
 McGovern, P., 45  
 McMinn, A. M., 67  
 McNeil, D. A., 5  
 McTigue, K.M., 95, 98  
 McWhorter, J., 15  
 Meals each day, three well-balanced, 88  
 Mehlenbeck, R., 21, 22, 33, 34, 36, 39  
 Mehta, S., 14  
 Melkus, G., 26  
 Mellin, L. M., 48  
 Metabolic equivalent (MET), 108  
 Metabolic syndrome, 8, 57, 58, 94, 99, 125  
 Metformin (Glucophage), 62  
 MET, *see* Metabolic equivalent (MET)  
 Meyers, D. C., 65  
 Miller, W. M., 32  
 Mirza, N., 15  
 MI, *see* Motivational interviewing (MI)  
 Mizrahi, S., 51  
 Moorehead, C., 48  
 Morbid obesity  
   definition, 97  
   psychological quality of life in, 116  
 Moreno, L., 17  
 Morgan, S., 16  
 Moschandreas, J., 69  
 Motivational interviewing (MI), 32  
 Multi-modal experiential teaching of nutrition  
   within Lean Family programs, 37  
     Empty Calorie, 37  
     nutrition and meal-planning, 37  
     simple exposure to new foods, 37  
 Munson, S., 5  
 Murphy, N., 67  
 Must, A., 5, 8, 10, 13, 65, 87, 122, 123, 125  
 Myers, V. H., 43, 48
- N**  
 National Board of Fitness Examiners, 112  
 National Center on Physical Activity and Disability  
   (NCPAD), 106  
 National Health and Nutrition Examination  
   Survey (NHANES), 21, 43, 55  
 National Institutes of Health (NIH), 103  
 NCPAD, *see* National Center on Physical Activity  
   and Disability (NCPAD)  
 Nemet, D., 76  
 Neonatal hypotonia, 58  
 Nestle, M., 16  
 Neumark-Sztainer, D., 45, 66  
 Newman, W.P., 8  
 New Moves Prevention Program, 45  
 Newton, R. L., 46  
 Nezu, A. M., 85, 89  
 Nguyen, M., 36, 65  
 Nguyen-Rodriguez, S.T., 36  
 NHANES, *see* National Health and Nutrition  
   Examination Survey (NHANES)  
 Nicklas, T. A., 15, 65  
 Nielsen, B., 15  
 NIH, *see* National Institutes of Health (NIH)  
 Noce, M. A., 31  
 Non-alcoholic fatty liver disease, 8, 58  
 Non-alcoholic steatorrheic hepatitis (NASH), 58  
 Northington, L., 23
- O**  
 Oalman, M.C., 8  
 Obese adults, intervention in  
   considerations for age, gender, and functional  
     disability, 112  
   treatment parameters, 104–105  
     balance/flexibility training, 105  
     cardiorespiratory training, 105  
     FITT Principle, 105  
     flexibility training, 105  
   warm-up, flexibility, and balance training,  
     105–106  
 Obesity  
   categories, WHO, 115  
   definition, 44  
 Obesity Society, The, 95  
 Obstructive sleep apnea, 7, 9, 59, 112  
 Office of the Surgeon General (OSG), 103

- Ogden, C. L., 14, 21, 22, 43, 65  
 O’Koon, J. C., 49  
 Older adults and obesity  
   adverse/beneficial effects, 94–95  
   case studies, 98–101  
     husband/wife, diagnosed as obese, 99  
     older adult, bariatric surgery treatment, 100  
     older adult, diagnosed as obese, 100  
   patient resources, 101  
   diagnosis of obesity, 95  
   medical conditions, influenced by weight loss, 99t  
   obesity, definition of, 94  
   prevalence of obesity, 94  
   treatment of  
     diet, 95–96  
     exercise, 96  
     general recommendations, 98  
     medical, 96  
     psychological interventions, 97–98  
     surgery, 97  
     weight-loss drugs work by different mechanisms, 96–97  
 Omar, M., 10, 14, 15  
 Orlistat (gastric and pancreatic inhibitor), 50  
 Orlistat (Xenical), 62  
 Orthopedic problems, adolescent obesity, 59  
   Blount’s disease, 59  
   flatfoot, 59  
   slipped capital femoral epiphysis (SCFE), 59  
 OSG, *see* Office of the Surgeon General (OSG)  
 Ossip, D. J., 75  
 Osteoarthritis, 94, 99, 115  
 Osteoporosis, 93, 104, 110, 119  
 Overweight children and cardiovascular disease, 8  
 Oxygen delivery and consumption ( $VO_{2\text{ max}}$ ), 107  
 Ozkan, B., 50
- P**  
 Page, H., 31, 101, 118  
 Pallavicini, H., 97  
 Paluch, R. A., 13, 14, 22, 23, 33  
 Pasold, T. L., 5  
 Pate, R.R., 65, 73  
 Patrick, K., 49  
 PCOS, *see* Polycystic ovarian syndrome (PCOS)  
 PCPFS, *see* President’s Council on Physical Fitness and Sports (PCPFS)  
 Peck, K. D., 5  
 Pender’s health promotion model, 45  
 Pepe, M. S., 44  
 Persistent tachycardia, 121  
 Pesa, J., 15  
 Peterson, K., 23, 28, 34, 38, 39  
 Pfeffer, B., 26  
 Phongsavan, P., 67  
 Physical Activity Guidelines for Americans, 103  
 Physical activity interventions, obesity in children and adolescents  
   importance of, 66–67  
   limitations, 79  
   obesity interventions with physical activity component, 75t–78t  
   obesity prevention studies with physical activity components, 67, 68t–73t  
 Physical fitness, components, 104–105  
 Physical inactivity and unhealthy diet, relation, 65  
 Piaget, J., 37  
 Pianosi, P.T., 13  
 Pickett, W., 16  
 Pietrobelli, A., 17  
 Pi-Sunyer, F. X., 85, 115  
 Planet Health, 46  
 Polley, B. A., 89  
 Polycystic ovarian syndrome (PCOS), 8, 57, 59  
 Pombo, H., 97  
 Popkin, B. M., 65  
 “Portion distortion”, 60  
 Portman, R., 65  
 Powell, L.H., 116  
 Powers, S., 14  
 Prader–Willi Syndrome (PWS), 58  
 Pratt, M., 11  
 Premack, D., 16  
*Prescribing Exercise in Multiple “Short Bouts Versus One Continuous Bout”*, 87  
 President’s Council on Physical Fitness and Sports (PCPFS), 103  
 Prince, R., 14  
 Prochaska, J. J., 11, 13, 28, 29, 30, 32, 71  
 Proctor, M., 16  
 Program for overweight multi-ethnic youth, 36  
 Progression, achievement, 110  
 Protein Power, 61  
 Protein sparing modified fast (PSMF), 61  
 Pseudotumor cerebri (benign intracranial hypertension), 58  
 PSMF, *see* Protein sparing modified fast (PSMF)  
 Psychological complications, adolescent obesity, 59  
 Psychological screening, bariatric surgery, 122–123  
 Pulmonary complications, adolescent obesity, 59  
 Puyau, M., 11  
 Puzziferri, N., 123  
 PWS, *see* Prader–Willi Syndrome (PWS)
- Q**  
 Quattrin, T., 5  
 Quinn, R., 14
- R**  
 Rand, C., 51  
 Ratings of perceived exertion (RPE), 107  
 Rattay, K.T., 12  
 Raynor, H. A., 23  
 Razzaq, S., 5



- Read food labels, 89  
 Reasonable weight-loss goals, 87–88  
 Reid, I.R., 95  
 Renders, C. M., 67  
 Reproductive complications, adolescent obesity  
   Polycystic ovarian syndrome (PCOS), 59  
 Resistance training, 110–111  
 Resnicow, K., 32  
 Revenson, T. A., 85  
 Rex, J., 45  
 Reynolds, R., 15  
 Rhee, K., 14, 15  
 Richards, W.O., 116  
 Rich, B. H., 31, 49  
 Ringham, R., 14  
 Ritchie, L., 15  
 Robert, J., 21, 22, 115  
 Robertson, R.J., 87  
 Robinson T.H., 8  
 Rocchini, A. P., 15, 48  
 Roemmich, J. N., 13, 14, 22  
 Rollnick, S., 32  
 Ross, K. M., 93, 94, 95  
 Roux-en-Y gastric bypass, 97, 107, 120–121  
 Roux-Y gastroplasty, 62  
 RPE, *see* Ratings of perceived exertion (RPE)  
 Ruiz-Rodriguez, M., 97
- S**
- Saelens, B. E., 6, 7, 22, 49, 78  
 Safadi, B.Y., 124  
 Safety concerns for healthy and at-risk  
   populations, 111–112  
 St. Peter, S.D., 97  
 Sallinen, B.J., 116  
 Sallis, J. F., 11, 13, 14, 15, 16, 66, 71, 72  
 Salmon, J., 16, 67, 79  
 Sarwer, D.B., 122  
 Savoye, M., 26, 77  
 Scanlon, K. S., 66  
 Schaffer, S., 5  
 Schaub, B., 9  
 Schauer, P.R., 126  
 Schindler, A.E., 95  
 Schlundt, D.G., 5, 14  
 School-based and internet-based interventions  
   family-based and individual interventions,  
   47–48  
   Health Improvement Program for Teens (HIP  
   Teens), 46  
   Health in Motion, 46  
   New Moves Prevention Program, 45  
   Planet Health, 46  
 Schwimmer, J.B., 9, 44  
 Scopinaro, N., 119  
 Screen time, 28  
 Segal, T.Y., 8  
 Seidel, K. D., 44  
 Seidell, J. C., 67  
 Seifert, S., 45  
 Self-monitoring, 34–36, 45–46, 49, 97  
 Serdula, J. K., 65  
 Sezginsoy, B., 94, 95  
 SHAPEDOWN, 48  
 Shapiro, R. M., 85  
 Shaw, H., 66  
 Shaw, N., 5  
 Sherry, B., 66  
 Sherwood, N. E., 22, 26, 27  
 Shine, B., 5  
 Shin R. B., 115  
 Short bouts of exercise  
   reason for, 87  
 Sibutramine (Meridia), 62  
 Sibutramine (norepinephrine- serotonin reuptake  
   inhibitor), 50  
 Siega-Riz, A. M., 65  
 Sinclair, K. B., 48  
 Singer, J. A., 85  
 Singh, M. A., 74  
 Sinn, N., 74  
 Skinner, J., 15  
 Skipping meals, 9, 60  
 Sleep apnea, 7, 9, 22, 59, 94, 99, 112, 115, 120, 122,  
   124, 125  
 Slipped capital femoral epiphysis (SCFE), 59  
 SMART (specific, measurable, attainable, relevant,  
   and time based), 97  
 Smith, A., 14  
 Smythe, J., 13  
 Snacking in front of television, 60  
 Snethen, J. A., 74  
 Social-ecological change strategies to support  
   healthy lifestyle behaviors among  
   children, 24*t*–25*t*  
 Social stigmatization, 116  
 Sondike, S. B., 55  
 Sorocco, K. H., 93  
 Sorof, J., 65  
 Sosa, J.L., 97  
 Sothorn, M., 12  
 Specific, measurable, attainable, relevant, and time  
   based (SMART), 97  
 Specter, S., 15  
 Spruijt-Metz, D., 36  
 Stapleton, J., 95  
 Static stretching, 106  
 Steele, R. G., 23  
 Stefan, M., 13  
 Stern, J. S., 38  
 Stice, E., 66  
 Stop Light diet, 74  
 Strauss, R. S., 5, 14, 15, 51, 65  
 Stroke, 59, 62, 99, 104, 111  
 Stunkard, A. J., 47, 74, 85, 89  
 Sturm, R., 115

Sullivan, M. A., 35  
 Support group for weight loss, 98  
 Support system and family involvement, 89–90  
 Sussner, K., 14  
 Swain, J.M., 97  
 Syre, T., 15

## T

Tachdjian, M.O., 9  
 TAMC, *see* Tripler Army Medical Center (TAMC)  
 Teasing by peers, 116  
 Ten common steps for weight loss over the lifespan  
   case example, 90  
   consume fruits and vegetables, 89  
   daily, low-intensity exercise, 86–87  
   drink water, 88–89  
   essential components of successful long term  
     weight loss, 86*f*  
   read food labels, 89  
   reasonable weight-loss goals, 87–88  
   support system and family involvement, 89–90  
   three well-balanced meals each day, 88  
   the weight-loss diary, 89  
   weigh yourself, 87  
 Tershakovec, A. M., 50  
 Tertiary Care Protocol, 7  
 Tetens, I., 15  
 Thompson, J., 15  
 Throwbridge, F., 43, 44  
 Tiede, J.L., 97  
 Timperio, A., 67  
 Topirimate (Topamax), 62  
 Torquati, A., 116  
 Transtheoretical model, 45  
*Treating Obesity Across the Lifespan*, 3  
 Truth, M., 11, 14  
 Tripler Army Medical Center (TAMC), 31,  
   39, 85, 87  
 Troiano, R., 15  
 Tsiros, M. D., 74  
 Turan, S., 50  
 Twentyman, C. T., 85  
 Type 2 diabetes, 5, 8, 56, 58, 59, 65, 95, 112, 121  
   hyperinsulinism, 8

## U

Unger, J.B., 36  
 United States Department of Health and Human  
   Services (HHS), 103  
 Uzark, K., 15

## V

Valoski, A., 14, 75, 76, 85  
 Vanguard Agencies for Physical Fitness and Health  
   Policy, 103–104  
 Van Itallie, T. B., 85  
 Van Sluijs, E. M. F., 67  
 Vargas, I., 26

Varni, J. W., 44  
 Velicer, W. F., 28, 29, 30, 32  
 Verschell, M., 85, 103  
 Vertical banded gastroplasty (VBG), 117, 119  
 Viegner, B. J., 85, 89  
 Vila, F., 10, 14, 15  
 Villareal, D.T., 93, 94, 95, 97, 98  
 Vincer, R.M., 8  
 Visscher, T. L. S., 67  
 Vito, D., 13  
 Vogt, R. A., 85  
 Volpe, S. L., 67  
 Vomiting, 56, 118, 120, 122  
 Von Mutius, E., 9

## W

Wabitsch, M., 65  
 Wadden, T.A., 47, 50, 74, 85, 89, 122  
 Walden, H. M., 46  
 Waldrop, J., 27  
 Waller, J., 65  
 Wallmann, H., 15  
 Wang, L., 46  
 Ward-Begnoche, W. L., 5, 10, 12, 13  
 Water consumption, 88–89  
 Weight-loss diary, 89  
 Weight-loss drugs work by different mechanisms  
   blocking nutrient absorption, 96  
   decreasing intake or increasing satiety, 96  
   modulation of central nervous system control of  
     body weight, 7, 9, 97  
 Weight loss over lifespan, ten common steps for  
   case example, 90  
   consume fruits and vegetables, 89  
   daily, low-intensity exercise, 86–87  
   drink water, 88–89  
   essential components of successful long term  
     weight loss, 86*f*  
   read food labels, 89  
   reasonable weight-loss goals, 87–88  
   support system and family involvement,  
     89–90  
   three well-balanced meals each day, 88  
   weight-loss diary, 89  
   weigh yourself, 87  
 Weight loss (successful long term), essential  
   components, 86*f*  
 Weight management, structured, 7  
 Weigh yourself, 87  
 Weir, L., 16  
 Weitzman, M., 65  
 Weizman, A., 14, 75  
 Wember, Y. M., 67  
 Weschler, H., 46  
 WHAT, *see* When to eat, How to eat, the  
   Amount to eat, and Type of foods to eat  
   (WHAT)

When to eat, How to eat, the Amount to eat, and  
    Type of foods to eat (WHAT), 34  
Whitaker, R. C., 12, 14, 16, 44  
White, M. A., 46, 69, 73, 78  
Widhalm, K., 17  
Williamson, D. A., 46, 47  
Wilson D. K., 65  
Wing, R. R., 14, 75, 76, 85, 87, 89, 96  
Wisniewski, L., 14  
Woodward-Lopez, G., 15  
Wrotniak, B., 14

**Y**

Yano, K. B., 21  
Yitzhak, A., 51  
Young-Hyman, D., 5, 14  
Yucha, C., 5

**Z**

Zakeri, I., 15  
Zametkin, A., 5, 14, 15  
Ziouras, J., 95, 98  
Zoon, C., 5