Weight Loss Maintenance

Help Veterans Put Lapses Into Perspective

- Frame as a temporary dip in the trend line.
- Avoid self recrimination or other negative emotional reactions.
- Engage in realistic positive thinking.
- Immediately resume appropriate weight control habits.

Ten Relapse Prevention Strategies

- Continued counseling contact
- Social support
- Contingency plans for high-risk situations
- Self-monitoring of weight, behavior
- Environmental cues for weight control behaviors
- Achievable daily goals
- Self-reinforcement system
- Alternative sources of pleasure besides food
- Positive thinking
- "Alarm" system for behaviors and weight

Strategies For Long-term Weight Loss Maintenance

- •Use of both dietary restriction and physical activity
- •Limiting calories and fat intake and limiting portion sizes
- •Use of regular (daily) physical activity, average of 60-90 min/day
- •Consuming breakfast daily
- •Self-monitoring of weight, at least weekly
- •Maintaining dietary consistency over the weekends and holidays

*From participants in the National Weight Control Registry

Patient handouts for maintenance available on the MOVE! website

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Pocket Guide

for

Medical Providers

Developed by:

VA National Center for Health Promotion and Disease Prevention a program office of VHA Patient Care Services

and

VA Employee Education System

MOVE! Website vaww.move.med.va.gov







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Level 5 - Bariatric Surgery-2

Post-Operative Patient Guidance

- Expected Wt Loss ≈30-35% of body weight, peak loss 12-18 mos
- General wound care unless otherwise directed
- Nutrition diet slowly advanced from clear liquids to solids over 6-8 weeks
- Avoid drinking liquids with meals and avoid carbonated beverages
- Prioritize protein-rich foods
- Slow pace of eating, chew food thoroughly
- Meal should be sized to fit in palm of hand
- Daily multivitamin/mineral supplement, other supplements as indicated based on procedure and/or micronutrient evaluation.
- Psychologic anticipate changes in self-image and relationships
- Physical Activity begin slow and gradually increase
- Lifelong surveillance and care required

| Problem | Potential Solution |
|-----------------------------|---|
| Nausea | eat smaller amounts |
| | slow down pace of eating |
| | introduce new foods one at a time |
| Vomiting | eat smaller amounts |
| | chew food thoroughly |
| | slow down pace of eating |
| | introduce new foods one at a time |
| | consider evaluation for strictures and stenosis if vomiting is |
| | particularly severe or develops 6 months or later after surgery |
| Intolerance for solid foods | evaluate for stricture or stenosis |
| Dumping syndrome | limit foods with added sugar and fats |
| | eliminate known trigger foods |
| | consume liquids separately from meals, wait at least 30 |
| | minutes before or after a meal before drinking liquids |
| Dehydration | sip fluids constantly throughout the day |
| | IV rehydration if necessary |
| Gallstone formation | · prevented by removal of gallbladder before or at the time of |
| | surgery |
| | if gallbladder intact then use a solubilizing agent for 6 months |
| | post-surgery |
| | surgery for symptomatic cases |
| Lactose-intolerance | use lactase enzyme supplements |
| | substitute Lactaid or soy-based products for regular dairy products |

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Level 4 - Brief Residential Treatment

Currently, this service is limited to very few VHA facilities and may not be available for all qualified patients at this time. Consult the *MOVE!* website for the latest information on availability.

Level 5 - Bariatric Surgery - 1

Currently, this service is limited to few VHA facilities and may not be available for all qualified patients at this time. Consult the *MOVE!* website for the latest information on availability.

Candidates For Bariatric Surgery

- 1. BMI \geq 40; (BMI \geq 35 with obesity-associated conditions
- considered case-by-case), AND
- 2. Participation in *MOVE!* Levels 1-2 or a similar multidisciplinary, behaviorally based weight management program for at least three months, AND
- 3. Formal psychological evaluation that finds patient mentally and emotionally stable, likely to be able to control eating related impulses and comply with a restricted diet post-surgery, and likely to maintain the frequent and long term follow up necessary after this procedure; AND
- 4. Medical evaluation that finds patient has no medical contraindications to surgery.

Complications

- Up to 2% risk of death
- 20% risk of nonfatal complications: surgical complications, gallstones, ulcers, stenosis, nausea/ vomiting, dumping syndrome
- Other side effects [loss of hair, body odors, large amounts of excess skin]

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Program Overview - 1

General Characteristics Of MOVE!

- Emphasis on health and well-being, not appearance
- Lifetime/lifestyle focus
- Population-based
- Evidence-based
- Tiered treatment
- Multidisciplinary content: behavior, nutrition, physical activity
- Individually tailored with patient-determined intensity of treatment
- · Integration within primary care and existing resources
- Standard program tools and materials available

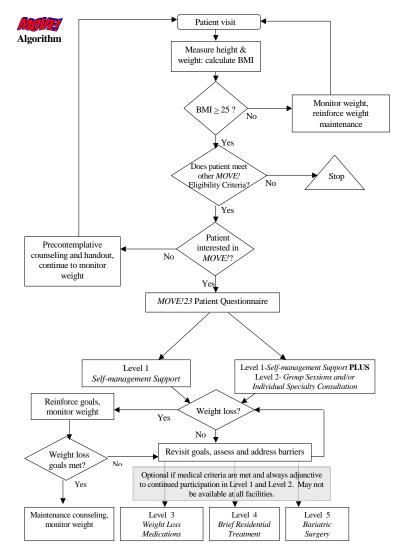
Program Flow--See Algorithm On Page 4

- 1. Screen for overweight/obesity at least once every 2 years.
- 2. Determine benefit from or eligibility for weight management.
- 3. Risk educate overweight or obese patients who would benefit.
- 4. Offer MOVE! participation.
- 5. Enroll into MOVE! using the MOVE!23 Patient Questionnaire.
- 6. Determine intensity of treatment with veteran.
- 7. Support self-management; provide additional treatment as requested/needed.
- 8. Monitor progress, address barriers, and support maintenance.

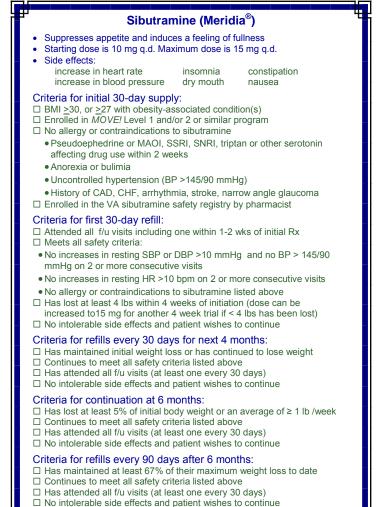
MOVE! Program Levels

- Level 1 Self-management Support
- Level 2 Group Sessions and/or Individual Specialty Consultation
- Level 3 Weight Loss Medications
- Level 4 Brief Residential Treatment
- Level 5 Bariatric Surgery

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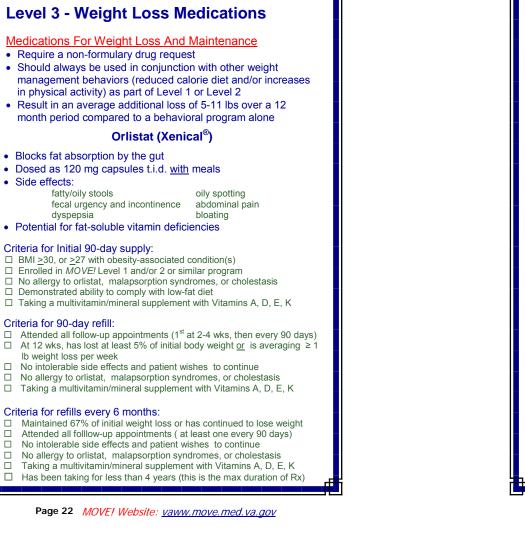


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Screening - 1

Use BMI To Screen For Overweight/Obesity (every 2 yrs)

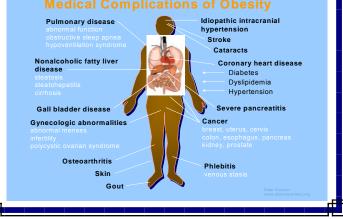
- Measure height without shoes
- Measure weight
- Calculate BMI (in CPRS or use chart on page 6) BMI= weight (in kilograms) height (meters)²

Classify Veteran By BMI Category

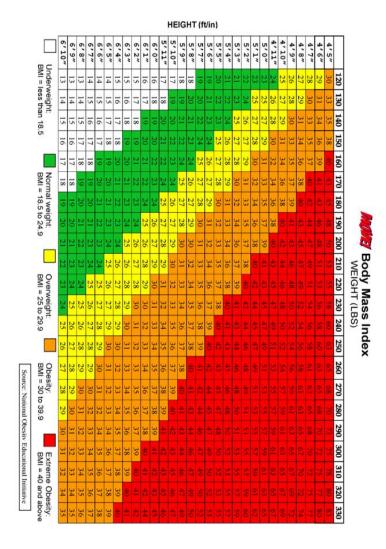
| BMI | Classification |
|----------------|----------------|
| < 18.5 | Underweight |
| 18.5-24.9 | Normal Weight |
| 25-29.9 | Overweight |
| <u>></u> 30 | Obese |

Assess Benefit From Weight Management Participation See MOVE! Eligibility Screening Chart (page 7)

Discuss Risks Of Overweight/obesity With Those Eligible



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Level 2– Group Sessions and Individual Specialty Consultation

Provide Level 2 services at any time you or the veteran feels it would be beneficial.

Group Sessions

General format:

- Individual weigh-in
- 1-2 topic discussions (nutrition, physical activity, behavior)
- General group discussion, problem-solving, and support

Engaging Patients in Discussion:

- · Write major points on a whiteboard
- · Ask veterans to read parts of handout out loud
- Encourage questions
- Solicit thoughts, feelings, opinions
- Ask how topic applies to them personally
- Ask veterans to complete specific written or verbal exercises
- Ask veterans to complete some "homework" for the next session
- Ask veterans to bring information on a selected topic for the next session
- Ask veterans how they personally plan to implement the information or suggestions discussed

Sample group modules are available on the MOVE! website.

Individual Specialty Consultation

Use this option when veterans require additional evaluation, treatment, or guidance beyond that available through Level 1-*Self-management Support* or Level 2-*Group Session* participation.

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1. BMI < 25 8 . BMI 25-29 Age ≥70 ? without co-morbid $\frac{OR}{OR}$ the incremental benefit from weight loss is likely to be small relative to the current morbidity: $\frac{OR}{OR}$ weight loss is contraindicated; OR patient's status nlikely to benefit or likely to be limits participation? Active cancer other than non-melanoma skin cancer End stage COPD, congestive heart failure End-stage neurologic disorder (Parkinson's, ALS, MS) Long-term care facility resident End stage renal disease ·~> .0 ctive psychoses erate to severe cognitive impairment (dementia, post-stroke) conditions[†]? 2 g 9 ΗI ubstance abu HIV infection harmed should not exclude participation) R edical center Optional enrollment Optional enrollment Not indicated, do not enroll Not indicated, do not enroll en

as strongly correlated with mortality in elderly population, so weight/BMI reductions probably have decreased benefit compared to younger population. Enrol over age 70 requires mandatory medical clearance prior to beginning new physical activity and closer nutritional supervision to minimize protein, vitamin, and deficiencies. 0 En litions include conditions such as diabetes, high blood pressure, high cholesteroi, ollment in *MOVE*/Is strongly recommended for veterans with BMI 25-29 AND co-MOVE! Enrollment l, osteoarthritis, -morbid conditio tis, heart dise titions. 0 other obesity associated

Level 1-Self-management Support - 2

Patient Handouts (available on the MOVE! website)

- 10 standard handouts (S01-S10)
- Nutrition log
- Physical activity log
- Other nutrition, physical activity, and behavior handouts
- Select additional handouts based on patient barriers, patient request, or relevant goals for the week

Arrange Follow-up

- Within 1 week of initial enrollment
- · Every 2-4 weeks thereafter, adjust intervals as needed
- · Use telephone follow-up when possible

Suggested Format For Telephone Follow-up

- Call patient (or they call you)
- Reestablish rapport
- Assess progress on weight and established goals
- If appropriate, reevaluate importance, and confidence
- · Discuss barriers and assist with problem-solving
- Provide positive reinforcement
- Provide information as needed
- Agree on new (or same) goals
- Arrange next follow-up contact

Connect Patient With VA And Community Resources

- MOVE! Program materials
- Pedometers
- Local parks and recreation facilities, community programs, low-cost, or free health department or cooperative extension services
- Church and community sponsored programs, facilities, or events

Health Behavior Change Counseling - 1

Patients with BMI \geq 25 who would benefit from weight management should be offered *MOVE!* participation.

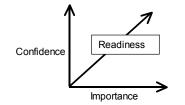
Assess Readiness And Interest

"Mr. Jones, your body mass index is 33; this is considered unhealthy. Your weight is probably contributing to your diabetes and it may lead to future health problems like sleep apnea or high blood pressure. I'm concerned about your health...have you thought about trying to lose some weight?"

Stages Of Readiness To Change

| Pre-contemplation | no intention to change at the present time |
|-------------------|---|
| Contemplation | considering a change |
| Preparation | preparation following the decision to change behavior |
| Action | currently engaged in behavior change activities |
| | continuation of changed behavior beyond six months |

Factors That Determine Readiness



Effective Counseling

- Is supportive, empathetic, and patient-centered
- Targets stage of readiness to change
- Uses open-ended questions and affirmations
- Uses reflective listening, summarizing, and elicits self-motivational statements

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Level 1- Self-management Support - 1

Foundation For All Levels Of MOVE!

- •Emphasizes patient's central role in treatment
- •Uses goal-setting, action planning, problem-solving, and follow-up
- •Connects patients to internal and external resources

MOVE!23 Patient Questionnaire And Reports

- •Assesses importance, confidence, and readiness
- Identifies "red flags" for further medical evaluation
- Identifies problem nutrition & physical activity behaviors
- •Offers problem-solving tips
- •Points to specific patient handouts, tailoring advice

Using MOVE!23

- Patient access via:
- •VA intranet: vaww.move.med.va.gov
- Internet: www.move.med.va.gov
- MyHealtheVet: www.myhealth.va.gov
 Link from CPRS
- Review patient report with patient and print copy.
- •Use staff report to guide discussion.
- Assist patient with setting between 1-3 short-term behavior, nutrition, or physical activity goals. Goals should be SMART:

| SPECIFIC: | "I will take a 30 minute walk after dinner each night |
|-------------|--|
| | for the next week." |
| MEASURABLE: | "I will eat one more fruit and vegetable each day |
| | this week." |
| ATTAINABLE: | "I will use the stairs instead of the elevator |
| | whenever I'm going up 2 flights or less." |
| RELEVANT: | "I will drink diet instead of regular whenever I drink |
| | soda." |
| TIME-BASED: | "Within 7 days, I will find out more information |
| | about local park trails for walking." |
| | |

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Physical Activity - 3

Measuring Intensity

Talk Test:

Light intensity: able to sing Moderate intensity: able to carry on a conversation Vigorous intensity: unable to carry on a conversation

Target Heart Rate:

Moderate intensity: 50-70% of maximum heart rate Vigorous intensity: 70-85% of maximum heart rate Maximum heart rate (bpm) = 220 – Age

Self-perceived Exertion:

| The Borg Category Rating Scale | | | | | | | | |
|--------------------------------|------------------|------------------------|--|--|--|--|--|--|
| Least Effo | rt | | | | | | | |
| 6 | | | | | | | | |
| 7 | very, very light | | | | | | | |
| 8 | | | | | | | | |
| 9 | very light | | | | | | | |
| 10 | | | | | | | | |
| 11 | fairly light | ***** | | | | | | |
| 12 | | Aerobic Training Zone | | | | | | |
| 13 | somewhat hard | ***** | | | | | | |
| 14 | | | | | | | | |
| 15 | hard | ***** | | | | | | |
| 16 | | Strength Training Zone | | | | | | |
| 17 | very hard | ***** | | | | | | |
| 18 | | | | | | | | |
| 19 | very, very hard | | | | | | | |
| 20 | | | | | | | | |
| Maximum Effort | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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Health Behavior Change Counseling - 2

Pre-contemplation Counseling

• Explore Importance and Confidence

- Ask patient to rate on a scale of 0-10, how personally important it is for him/her to make changes to manage weight.
- •Ask patient to rate on a scale of 0-10, how confident he/she is in his/her ability to make changes to manage weight.

| 0 ↑ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 1 |
|---------------|-------|---|---|---|---|---|---|---|---|---------|
| Not A | t All | | | | | | | | | Very |

• Sample Dialog:

Staff: Now, I'd like to understand more about how confident you are that you can make changes in your eating and physical activity to manage your weight. On a scale of 0-10 with 0 meaning not confident at all and 10 meaning very confident, you gave yourself a "2". Why did you give yourself a "2" instead of a "0" or "1"?

<u>Patient:</u> Well, I was able to lose a little bit of weight in the past by taking regular walks after dinner; so, I know this can help, but it was hard to keep up.

<u>Staff:</u> So you know from past success that you CAN do this. What would it take to give yourself a "4" or "5" in confidence?

Patient: I would need to find a way to keep walking; also, I'd have to learn more about what diet I should try and what foods I should or shouldn't eat.

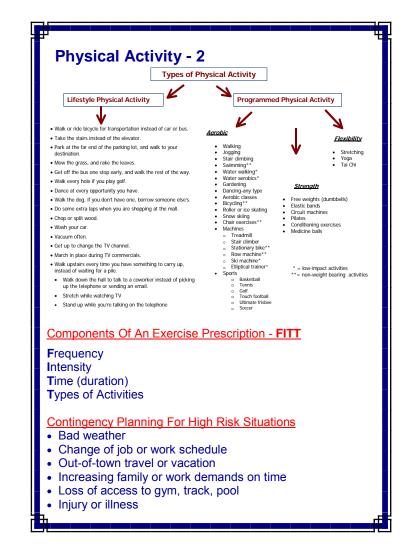
More Tips

- Exchange information (elicit knowledge, provide information, elicit reaction).
- Give good news, support self-efficacy.
- Explore past successes.
- Convey health importance and reinforce relevance.
- Explore the pros and cons of change.
- Develop discrepancy.
- Avoid argument and roll with resistance

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| 8 | | | | <u>"</u> О П | |
|--|--|---|--|---|-----------------------|
| Maintenance (successfully maintained new behaviors for at least 6 months) | Action (has begun changes in diet and physical activity behaviors) | Preparation (getting ready to change diet and physical activity behaviors to lose weight) | Contemplation (thinking about changing diet and physical activity behaviors to lose weight) | Pre-Contemplation (not ready to change diet and physical activity behaviors to lose weight) | Stage of Change |
| At risk for relapse | Some obstacles persist Confidence may still be low At risk for relapse | Confidence may still be low Unsure of specific actions | Low confidence Procrastination Low social or environmental support Competing demands | Not important to patient Low confidence Denial Defensiveness Lack of awareness | Barriers |
| Praise and reinforce, plan for contingencies | Praise and reinforce, plan for contingencies | Strengthen commitment, plan specific actions | Explore ambivalence and shift towards making a decision to change | Advise and encourage | Goal of Counseling |
| Provide frequent positive affirmation Provide ongoing assistance with barriers Express confidence in ability to maintain the change | Provide frequent positive affirmation Provide ongoing assistance with barriers Express confidence in ability to maintain the change | Provide information and discuss options Provide assistance with selected actions Express confidence in patient Affirm positive statements Reinforce partnership and willingness to help | Express empathy Develop discrepancy Acknowledge ambivalence Listen reflectively Examine pros and cons of change, summarize Provide information if needed Affirm positive statements Reinforce partnership and willingness to help | Express empathy Develop discrepancy Listen reflectively Examine the pros and cons of change, summarize Provide information if needed Acknowledge decision Offer help when ready | Techniques to Use |

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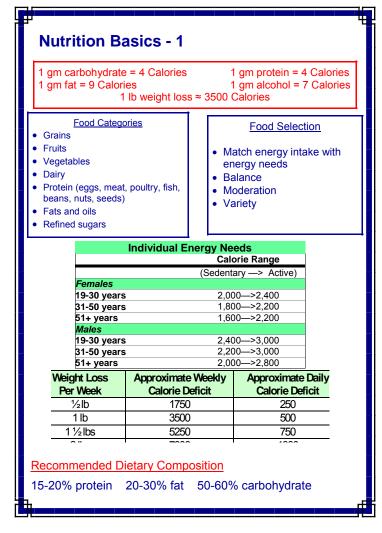


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Physical activity patient handouts are available on the *MOVE!* website.

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Nutrition Basics - 2

Minimize

- Added salt (limit to < 2,300 mg, lower for certain patients)
- · Added sugars and caloric sweeteners
- Total fats, saturated fats, and cholesterol (animal sources)
- Trans-fat (found in margarine, baked goods, prepared foods– "partially hydrogenated" on food label indicates trans-fat)
- Alcohol (empty calories)

Maximize

- Low fat dairy products (for the lactose intolerant consider lactose-free dairy, or non-dairy sources of calcium like fortified juices and cereals, soy products, canned fish, leafy greens)
- Whole grains (at least 1/2 of daily grain consumption should be from whole grain sources – whole wheat, oats, brown or wild rice, bulghur, barley, whole rye, buckwheat)
- · Fruits and vegetables (choose a variety of colors)

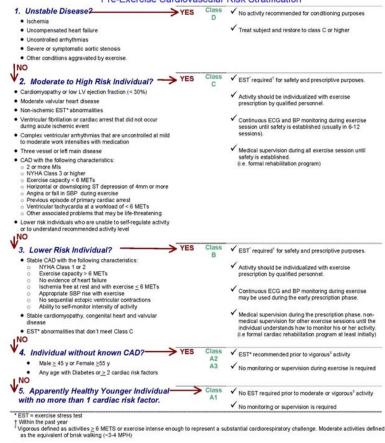
Other Healthy Food Tips

- Get fats from monounsaturated and polyunsaturated sources like fish, nuts, vegetable oils (canola, olive, peanut, safflower, sunflower, corn, soybean)
- Select and prepare lean, low-fat, or fat-free meat, poultry, bean, and dairy products
- Use a food log or journal

Special Populations

- Age > 50 —> consume foods fortified with vitamin B12 or supplement
- Older adults, dark-skinned adults, adults in northern climates or who are housebound —> consume foods fortified with vitamin D or supplement
- Women of childbearing age —> consume foods high in iron and folic acid or supplement

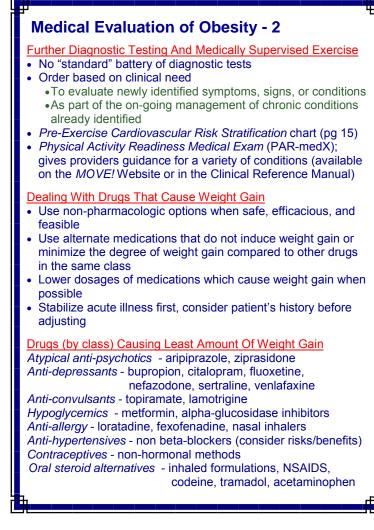
Pre-Exercise Cardiovascular Risk Stratification



ACSM's Guidelines for Exercise Testing and Prescription 6th Ed. American College of Sports Medicine. Lippincott Williams & Wilkins. Philadelphia, PA. 2000. and Balady GJ et al. Recommendations for Cardiovascular Screening. Staffing, and Emergency Policies at Health/Fitness Facilities. AHA/ACSM Scientific Statement. Circulation. 1998;97: 2283-2283.

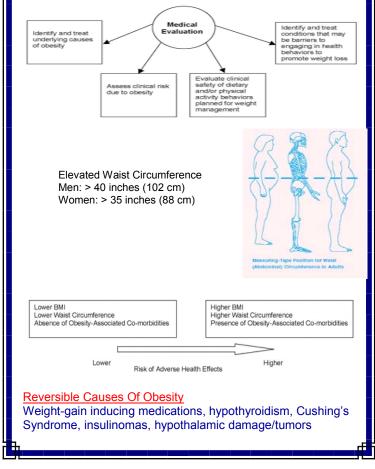
ACC/AHA 2002 guideline update for exercise testing: summary article: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee to Update the 1997 Exercise Testing Guidelines). Circulation. 2002 Oct 1; 108(14):1983-92...

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