Depression and Osteoporosis
Depression not only affects your brain and behavior—it affects your entire body. Depression has been linked with other health problems, including osteoporosis. Dealing with more than one health problem at a time can be difficult, so proper treatment is important.
What is depression?
Major depressive disorder, or depression, is a serious mental illness. Depression interferes with your daily life and routine and reduces your quality of life. About 6.7 percent of U.S. adults ages 18 and older have depression.1

Signs and Symptoms of Depression
- Ongoing sad, anxious, or empty feelings
- Feeling hopeless
- Feeling guilty, worthless, or helpless
- Feeling irritable or restless
- Loss of interest in activities or hobbies once enjoyable, including sex
- Feeling tired all the time
- Difficulty concentrating, remembering details, or making decisions
- Difficulty falling asleep or staying asleep, a condition called insomnia, or sleeping all the time
- Overeating or loss of appetite
- Thoughts of death and suicide or suicide attempts
- Ongoing aches and pains, headaches, cramps, or digestive problems that do not ease with treatment.

For more information, see the NIMH booklet on Depression at http://www.nimh.nih.gov/health/publications/depression/index.shtml.

What is osteoporosis?
Osteoporosis is a disease that thins and weakens your bones to the point that they become fragile and break easily.2 About 10 million people in the United States have osteoporosis. About 50 percent of women and 25 percent of men age 50 or older will fracture a bone due to osteoporosis.3
How are depression and osteoporosis linked?

Studies show that older people with depression are more likely to have low bone mass than older people who aren’t depressed. Bone mass refers to the amount of minerals, such as calcium, in your bones. Low bone mass can lead to osteoporosis. Younger women with depression may also be at risk for osteoporosis. One study found that among women who have not yet reached menopause, those with mild depression have less bone mass than those who aren’t depressed.

Although osteoporosis affects more women than men, one study has recommended checking for osteoporosis in older men with depression. The same study suggested checking for depression in older men with osteoporosis, because osteoporosis increases the risk of depression.

If you have osteoporosis, you may need to make many lifestyle changes, and these changes may increase your risk of depression. For example:

- To prevent falls that could cause already fragile bones to fracture or break, you may not be able to take part in some activities you once enjoyed.
- Weakened bones may make it harder to perform everyday tasks, and you could lose some of your independence.
- You may feel nervous about going to crowded places, such as malls or movie theaters, for fear of falling and breaking a bone.

How is depression treated in people who have osteoporosis?

Depression is diagnosed and treated by a health care provider. Treating depression can help you manage your osteoporosis and improve your overall health. Recovery from depression takes time but treatments are effective.

At present, the most common treatments for depression include:

- Cognitive behavioral therapy (CBT), a type of psychotherapy, or talk therapy, that helps people change negative thinking styles and behaviors that may contribute to their depression.
Treatment is important. Time can be difficult, so proper than one health problem at a osteoporosis. Dealing with more other health problems, including Depression has been linked with your brain and behavior— Depressed. Not only affects the point that they become fragile and break easily. About osteoporosis is a disease that thins and weakens your bones. What is osteoporosis?

- Difficulty falling asleep or staying asleep, a condition called insomnia, or sleeping all the time
- Difficulty concentrating, remembering details, or making decisions
- Feeling irritable or restless
- Feeling guilty, worthless, or helpless
- Feeling hopelessness
- Loss of interest in activities or hobbies once enjoyable,
- Eating too little or too much
- Thoughts of death and suicide or suicide attempts
- Ongoing aches and pains, headaches, cramps, or digestive problems that do not ease with treatment.

Signs and Symptoms of Depression

18 and older have depression. Depression interferes with your daily life and routine and reduces your quality of life. About 6.7 percent of U.S. adults ages 18 and older have depression. Major depressive disorder, or depression, is a serious mental illness. Depression is diagnosed and treated by a health care provider. How is depression treated in people who have osteoporosis? How is depression treated in people who have osteoporosis? Osteoporosis treatment may include medications that slow or stop bone loss or build new bone. Exercise is an important part of osteoporosis treatment, particularly activities in which you support your weight on your feet. These activities help to strengthen bones—and muscles that can prevent falls. These activities can also boost your mood and treat your depression. Your health care provider can recommend exercises that are right for you.

More information about depression treatments can be found on the NIMH website at http://www.nimh.nih.gov/health/publications/depression/how-is-depression-detected-and-treated.shtml. If you think you are depressed or know someone who is, don’t lose hope. Seek help for depression.
For More Information on Depression
Visit the National Library of Medicine’s MedlinePlus http://medlineplus.gov
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