

Quick reference summary

Guidelines

HIV-specific guidelines

- International Antiviral Society USA (IAS–USA): [Antiretroviral treatment of adult HIV infection](#) (2010).* Accessed 26 May 2011.
- Department of Health and Human Services. Panel on Antiretroviral Guidelines for Adults and Adolescents: [Guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents](#) (2011).* Accessed 21 February 2011.
- European AIDS Clinical Society [Guidelines. Version 6.0.](#) (2011)* Accessed 4 July 2012.

Non-HIV-specific guidelines

- International Osteoporosis Foundation and National Osteoporosis Foundation: [European Guidance for the Diagnosis and Management of Osteoporosis in Postmenopausal Women.](#)* Accessed 26 May 2011.
- National Osteoporosis Foundation: [The National Osteoporosis Clinician's Guide to Prevention and Treatment of Osteoporosis 2008.](#)* Accessed 26 May 2011.
- North American Menopause Society: [Management of osteoporosis in postmenopausal women: 2010 position statement of The North American Menopause Society.](#)* Accessed 26 May 2011.
- American Association of Clinical Endocrinologists: [American Association of Clinical Endocrinologists medical guidelines for clinical practice for the prevention and treatment of postmenopausal osteoporosis.](#)* Accessed 26 May 2011.
- National Osteoporosis Guideline Group (NOGG): [Guideline for the Diagnosis and Management of Osteoporosis in Postmenopausal Women and Men from the Age of 50 Years in the UK.](#)* Accessed 26 May 2011.
- US Preventative Services Task Force: [Screening for osteoporosis.](#)* Accessed 26 May 2011.

Key Publications

HIV and osteoporosis

1. Bolland MJ, Grey AB, Gamble GD, Reid IR. [Low body weight mediates the relationship between HIV infection and low bone mineral density: a meta-analysis.](#)* *J Clin Endocrinol Metab.* 2007;92:4522–4528.
2. Jacobson DL, Lindsey JC, Gordon CM, et al. [Total body and spinal bone mineral density across Tanner stage in perinatally HIV-infected and uninfected children and youth in PACTG 1045.](#)* *AIDS.* 2010;24:687–696.
3. Mallon PW. [HIV and bone mineral density.](#)* *Curr Opin Infect Dis.* 2010;23:1–8.
4. McComsey GA, Tebas P, Shane E, et al. [Bone disease in HIV infection: a practical review and recommendations for HIV care providers.](#)* *Clin Infect Dis.* 2010;51:937–946.

ARV therapy and osteoporosis

1. Brown TT, Qaqish RB. [Antiretroviral therapy and the prevalence of osteopenia and osteoporosis: a meta-analytic review](#).* *AIDS*. 2006;20:2165–2174.
2. Duvivier C, Kolta S, Assoumou L, et al. [Greater decrease in bone mineral density with protease inhibitor regimens compared with nonnucleoside reverse transcriptase inhibitor regimens in HIV-1 infected naive patients](#).* *AIDS*. 2009;23:817–824.
3. Stellbrink HJ, Orkin C, Arribas JR, et al. [Comparison of changes in bone density and turnover with abacavir-lamivudine versus tenofovir-emtricitabine in HIV-infected adults: 48-week results from the ASSERT study](#).* *Clin Infect Dis*. 2010;51:963–972.
4. van Vonderen MG, Lips P, van Agtmael MA, et al. [First line zidovudine/lamivudine/lopinavir/ritonavir leads to greater bone loss compared to nevirapine/lopinavir/ritonavir](#).* *AIDS*. 2009;23:1367–1376.

Osteoporosis treatments and HIV

1. McComsey GA, Kendall MA, Tebas P, et al. [Alendronate with calcium and vitamin D supplementation is safe and effective for the treatment of decreased bone mineral density in HIV](#).* *AIDS*. 2007;21:2473–2482.
2. Stephensen CB, Marquis GS, Kruzich LA, Douglas SD, Aldrovandi GM, Wilson CM. [Vitamin D status in adolescents and young adults with HIV infection](#).* *Am J Clin Nutr*. 2006;83:1135–1141.

Fractures in patients with HIV

1. Triant VA, Brown TT, Lee H, Grinspoon SK. [Fracture prevalence among human immunodeficiency virus \(HIV\)-infected versus non-HIV-infected patients in a large US healthcare system](#).* *J Clin Endocrinol Metab*. 2008;93:3499–3504.
2. Womack JA, Goulet JL, Gibert C, et al. [Increased risk of fragility fractures among HIV-infected compared to uninfected male veterans](#).* *PLoS One*. 2011;6:e17217.
3. Young B, Dao CN, Buchacz K, et al. [Increased rates of bone fracture among HIV-infected persons in the HIV outpatient study \(HOPS\) compared with the US general population, 2000–2006](#).* *Clin Infect Dis*. 2011;52(8):1061–1068.