

Literatur

- (1) Willers C, Norton N, Harvey NC, Jacobson T, Johansson H, Lorentzon M, McCloskey EV, Borgström F, Kanis JA; SCOPE review panel of the IOF. Osteoporosis in Europe: a compendium of country-specific reports. Arch Osteoporos. 2022 Jan 26;17(1):23. <https://doi.org/10.1007/s11657-021-00969-8>
- (2) Finkelstein JS, Brockwell SE, Mehta V, Greendale GA, Sowers MR, Ettinger B, et al. Bone mineral density changes during the menopause transition in a multiethnic cohort of women. J Clin Endocrinol Metab. 2008 Mar;93(3):861-8. <https://doi.org/10.1210/jc.2007-1876>
- (3) MSD Manuals. Osteoporose. [Internet]. Kenilworth (NJ): Merck & Co., Inc.; [abgerufen am 25. August 2025]. Verfügbar unter: <https://www.msdmanuals.com/de/profi/erkrankungendes-rheumatischen-formenkreises-und-des-bewegungsapparats/osteoporose/osteoporose>
- (4) Lorentzon M, Johansson H, Harvey NC, McCloskey EV, Vandenput L, Kanis JA, et al. Menopausal hormone therapy reduces the risk of fracture regardless of falls risk or baseline FRAX probability – results from the Women's Health Initiative hormone therapy trials. Osteoporos Int. 2022;33(11):2297-305. <https://doi.org/10.1007/s00198-022-06483-y>
- (5) World Health Organization (1994). Assessment of fracture risk and its application to screening for postmenopausal osteoporosis: report of a WHO study group [Tagung in Rom vom 22. bis 25. Juni 1992]. World Health Organization. Verfügbar unter: <https://iris.who.int/handle/10665/39142>
- (6) Lippuner K, Johansson H, Kanis JA, Rizzoli R. Remaining lifetime and absolute 10-year probabilities of osteoporotic fracture in Swiss men and women. Osteoporos Int. 2009 Jul;20(7):1131-40. <https://doi.org/10.1007/s00198-008-0779-8>
- (7) Pouresmaeili F, Kamalidehghan B, Kamarehei M, Goh YM. A comprehensive overview on osteoporosis and its risk factors. Ther Clin Risk Manag. 2018;14:2029-49. <https://doi.org/10.2147/TCRM.S138000>
- (8) Fischer V, Haffner-Luntzer M, Amling M, Ignatius A. Calcium and vitamin D in bone fracture healing and post-traumatic bone turnover. Eur Cell Mater. 2018 Nov 29;35:365-85. <https://doi.org/10.22203/eCM.v035a25>
- (9) Panday K, Gona A, Humphrey MB. Medication-induced osteoporosis: screening and treatment strategies. Ther Adv Musculoskelet Dis. 2014 Oct;6(5):185-202. <https://doi.org/10.1177/1759720X14546350>

- (10) Dachverband Osteologie e.V. DVO-Leitlinie Osteoporose: Prophylaxe, Diagnostik und Therapie der Osteoporose bei postmenopausalen Frauen und bei Männern ab dem 50. Lebensjahr – Leitlinienreport Version 2023. Berlin: DVO; 2023. Verfügbar unter: <https://leitlinien.dv-osteologie.org>
- (11) Choksi P, Jepsen KJ, Clines GA. The challenges of diagnosing osteoporosis and the limitations of currently available tools. Clin Diabetes Endocrinol. 2018 May 29;4:12. <https://doi.org/10.1186/s40842-018-0062-7>
- (12) Sanders KM, Nicholson GC, Watts JJ, Pasco JA, Henry MJ, Kotowicz MA, Seeman E. Half the burden of fragility fractures in the community occur in women without osteoporosis. When is fracture prevention cost-effective? Bone. 2006 May;38(5):694-700. <https://doi.org/10.1016/j.bone.2005.06.004>
- (13) Eisenhauer A, Hastuti A, Heuser A, Kolevica A, Brandt B, Shroff R, et al. Calcium isotope composition in serum and urine for the assessment of bone mineral balance (BMB) – The Osteolabs post-market follow-up study. Bone. 2024;177:116580. <https://doi.org/10.1016/j.bone.2024.117210>
- (14) Eisenhauer A, Müller M, Heuser A, Kolevica A, Glüer CC, Both M, et al. Calcium isotope ratios in blood and urine: a new biomarker for the diagnosis of osteoporosis. Bone Rep. 2019 Dec;11:100220. <https://doi.org/10.1016/j.bonr.2019.100200>
- (15) Morgan JL, Skulan JL, Gordon GW, Romaniello SJ, Smith SM, Anbar AD. Rapidly assessing changes in bone mineral balance using natural stable calcium isotopes. Proc Natl Acad Sci U S A. 2012 Jun 19;109(25):9989-94. <https://doi.org/10.1073/pnas.1119587109>
- (16) Eisenhauer A, Sönnichsen S, Hastuti A, Shroff R, Heuser A, Kolevica A, et al. Monitoring denosumab therapy using the calcium isotope marker (CIM) technology. Bone. 2025 Sep;198:117522. <https://doi.org/10.1016/j.bone.2025.117522>
- (17) Cranney A, Jamal SA, Tsang JF, Josse RG, Leslie WD. Low bone mineral density and fracture burden in postmenopausal women. CMAJ. 2007 Sep 11;177(6):575-80. <https://doi.org/10.1503/cmaj.070234>