

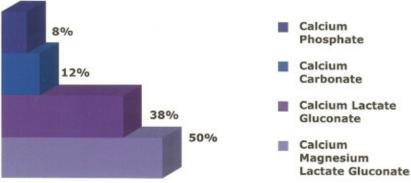
# Global Calcium www.globalcalcium.com

## Did you have your Calcium Today?

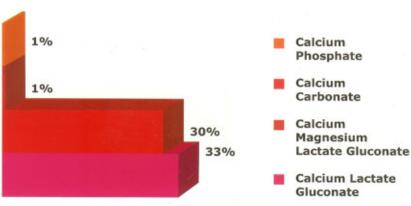
#### **FACT**

According to the USFDA national food survey Continuing Survey of Food Intakes of Individuals (CSFII), 55 percent of men and 78 percent of women over the age of twenty are NOT meeting the recommended intake for calcium in their daily diets (USFDA ,2005, www.fda.org)

#### Bioavailability of different Calcium salts



#### Solubility of different Calcium salts



Solubility tests conducted in de-mineralized water at 20 degrees Celsius

### Clinical References

- 1. The Physicians Desk Reference, 2001 Pgs 1542
- Journal of Bone and Mineral Metabolism 2002 20:P 39-43
- 3. Dietary Calcium and Mineral/Vitamin Supplementation, 27t edition, 1999 pgs 1-14
- Journal of International Nutrition, 1993.123[8]:P.1396-404
- 5. Intestinal Calcium Absorption, Journal of Cellular Biochemistry, 88th Edition, 2003, Pgs 332-339
- 6. Daily H.-P. Dimai, S. Porta, G. Wirnsberger, M. Lindschinger, I. Pamperl, H. Dobnig, M. Wilders-Truschnig
- 7. Yasuhiro Toba\*, Yasutaka Kajita, Ritsuko Masuyama, Yukihiro Takada, Kazuharu Suzuki and Seiichiro Aoe\*
- P. Meisel,\*, C. Schwahn, J. Luedemann, U. John, H.K. Kroemer, and T. Kocher, Oral Magnesium Supplementation Suppresses Bone Turnover in Young Adult Males, The Journal of Clinical Endocrinology & Metabolism Vol. 83, No. 8 2742-2748, 1998 by The Endocrine Society Original Studies
- Magnesium Supplementation Affects Bone Metabolism and Dynamic Strength of Bone in Ovariectomized Rats, Nutritional Science Laboratory, Snow Brand Milk Products Co., Ltd., Kawagoe, Saitama, 350-1165, Japan Department of Nutritional Science, Faculty of Applied Bio-Science, Tokyo University of Agriculture, Setagaya-ku, Tokyo 156-8502, Japan
- Jasminka Z. Ilich, PhD, RD and Jane E. Kerstetter Department of Clinical Chemistry and Laboratory Medicine, and Institute of Epidemiology, Ernst Moritz Arndt University, F.-Loeffler-Str. 23d, D-17487 Greifswald, Germany; Nutrition in Bone Health Revisited: A Story Beyond Calcium,, PhD, RD University of Connecticut, School of Allied Health, Storrs, Connecticut
- Lois D. McBean, 2 M.S., R.D., and Elwood W. Speckmann A recognition of the interrelationship of calcium with various dietary components,,3 Ph.D. Journal of Clinical Nutriton, January 17, 2006
- 12 Standing Committee on the Scientific Evaluation of Dietary Reference Intakes Food and Nutrition Board, Institute of Medicine: "Dietary Reference Intakes for Calcium, Phosphorus, Magnesium, Vitamin D and Fluoride. Washington, DC: National Academy Press, 1997
- Teegarden D, Lyle RM, McCabe GP, McCabe LD, Proulx WR, Michon K, Knight AP, Johnston CC, Weaver CM Dietary calcium, protein, and phosphorus are related to bone mineral density and content in young women, American Journal of Clinical Nutrition 68: 749-754, 1999
- 14. Robert P. Heaney Factors Influencing the Measurement of Bioavailability, Taking Calcium as a Model,, Creighton University, Osteoporosis Research Center, Omaha, NE 6813, Published in the Journal of Nutrition 2001, 131-134
- Judy Z Miller, PhD; David L Smith, PhD; Lawrence Flora; Charles Slemenda, PhD; Xiangyu Jiang; and C ConradJohnston, Jr,
   MD Calcium absorption from calcium carbonate and a new formof calcium (CCM) in healthy male and female adolescents,
   American Journal of Clinical Nutrition, dowloaded, May 2006
- Heaney RP, Gallagher JC, Johnston CC, Neer R, Parfitt AM, Whedon GD. Calcium nutrition and bone healthy in the elderly.
   Am J Gin Nutr 1982;36:986-1012
- 17. Sheikh M, Santa Ana C, Nicar M, et al. Gastrointestinal absorption of calcium from milk and calcium salts. N Engl J Med 1987;317:532
- 18. Heaney RP, Saville PD, Reeker RR. Calcium absorption function of calcium intake. J LabClin Med 1975;85:881-90
- 19. Ivanovich P, Fellows H, Rich C. The absorption of calcium carbonate. Ann Intern Med 1967;9:271