

**Iowa Fluoride Study/Iowa Bone Development Study
Publications
(1991-2013)**

2014

Chankanka O, Levy SM, Marshall TA, Cavanaugh JE, Warren JJ, Broffitt B, Kolker JL. The associations between dietary intakes from 36 to 60 months of age and primary dentition non-cavitated caries and cavitated caries. *Journal of Public Health Dentistry*. 2012 Nov 8. [Epub ahead of print] PMID: 23134446

Levy SM, et al. Effects of life-long fluoride intake on bone measures of 15-year-olds. *Journal of Dental Research*. 2014.

2013

Cardadeiro G, Baptista F, Janz KF, Rodrigues LA, Sardinha LB. Pelvis width associated with bone mass distribution at the proximal femur in children 10-11 years old. *Journal of Bone & Mineral Metabolism*. 2013 Jun 7 [Epub ahead of print] PMID: 23744478

Stephens SH, Hartz SM, Hoft NR, Saccone NL, Corley RC, Hewitt JK, Hopfer CJ, Breslau N, Coon H, Chen X, Ducci F, Dueker N, Franceschini N, Frank J, Han Y, Hansel NN, Jiang C, Korhonen T, Lind PA, Liu J, Lyytikäinen LP, Michel M, Shaffer JR, Short SE, Sun J, Teumer A, Thompson JR, Vogelzangs N, Vink JM, Wenzlaff A, Wheeler W, Yang BZ, Aggen SH, Balmforth AJ, Baumeister SE, Beaty TH, Benjamin DJ, Bergen AW, Broms U, Cesarini D, Chatterjee N, Chen J, Cheng YC, Cichon S, Couper D, Cucca F, Dick D, Foroud T, Furberg H, Giegling I, Gillespie NA, Gu F, Hall AS, Hällfors J, Han S, Hartmann AM, Heikkilä K, Hickie IB, Hottenga JJ, Jousilahti P, Kaakinen M, Kähönen M, Koellinger PD, Kittner S, Konte B, Landi MT, Laatikainen T, Leppert M, Levy SM, Mathias RA, McNeil DW, Medland SE, Montgomery GW, Murray T, Nauck M, North KE, Paré PD, Pergadia M, Ruczinski I, Salomaa V, Viikari J, Willemsen G, Barnes KC, Boerwinkle E, Boomsma DI, Caporaso N, Edenberg HJ, Francks C, Gelernter J, Grabe HJ, Hops H, Jarvelin MR, Johannesson M, Kendler KS, Lehtimäki T, Magnusson PK, Marazita ML, Marchini J, Mitchell BD, Nöthen MM, Penninx BW, Raitakari O, Rietschel M, Rujescu D, Samani NJ, Schwartz AG, Shete S, Spitz M, Swan GE, Völzke H, Veijola J, Wei Q, Amos C, Cannon DS, Grucza R, Hatsukami D, Heath A, Johnson EO, Kaprio J, Madden P, Martin NG, Stevens VL, Weiss RB, Kraft P, Bierut LJ, Ehringer MA. *Genetic Epidemiology*. 2013;37(8):846-859. PMID:24186853

Weyant RJ, Tracy SL, Anselmo TT, Beltrán-Aguilar ED, Donly KJ, Frese WA, Hujoel PP, Iafolla T, Kohn W, Kumar J, **Levy SM**, Tinanoff N, Wright JT, Zero D, Aravamudhan K, Frantsve-Hawley J, Meyer DM. American Dental Association Council on Scientific Affairs Expert Panel on Topical Fluoride Caries Preventive Agents. Topical fluoride for caries prevention: Executive summary of the updated clinical recommendations and supporting systematic review. *Journal of the American Dental Association*. 2013 Nov;144(11):1279-91. PMID:24177407

Francis SL, Morrissey JL, Letuchy EM, Levy SM, Janz KF. Ten-Year Objective Physical Activity Tracking: Iowa Bone Development Study. *Medicine and Science in Sports and Exercise*. 2013 Aug;45(8):1508-14. PMID:23470296

Broffitt B, Levy SM, Warren JJ, Cavanaugh JE. Factors Associated with Surface-level Caries Incidence in Children Aged 9 to 13: The Iowa Fluoride Study. *Journal of Public Health Dentistry*. 2013 Sep;73(4):304-310. PMID:23889610

Kwon S, Burns TL, Levy SM, Janz KF. Which Contributes More to Childhood Adiposity-High Levels of Sedentarism or Low Levels of Moderate-through-Vigorous Physical Activity? The Iowa Bone Development Study. *Journal of Pediatrics* 2013 Jun;162(6):1169-74. PMID: 23305957

2012

Zheng X, Shaffer JR, McHugh CP, Laurie CC, Feenstra B, Melbye M, Murray JC, Marazita ML, Feingold E. Using family data as a verification standard to evaluate copy number variation calling strategies for genetic association studies. *Genetic Epidemiology*. 2012 Apr;36(3):253-62. PMID: 22714937, NIHMS457764.

Kwon S, Janz KF. Tracking of accelerometry-measured physical activity during childhood: ICAD pooled analysis. International Children's Accelerometry Database (ICAD) Collaborators. *International Journal of Behavioral Nutrition and Physical Activity* 2012;9:68. PMID: 22676230, NIHMS348990.

Cardadeiro G, Baptista F, Ornelas R, Janz KF, Sardinha LB. Sex specific association of physical activity on proximal femur BMD in 9 to 10 year-old children. *PLoS One* 2012; 7(11):e50657. doi: 10.1371/journal.pone.0050657. Epub 2012 Nov 29. PMID: 23209801

Morrissey JL, Wenthe PJ, Letuchy EM, Levy SM, Janz KF. Specific types of family support and adolescent non-school physical activity levels. *Pediatric Exercise Science* 2012; 24(3): 333-346. PMID: 22971551

Rankin SJ, Levy SM, Warren JJ, Eichenberger Gilmore J, Broffitt B. Fluoride content of solid foods impacts daily intake. *Journal of Public Health Dentistry* 2012;72(2):128-134. PMID 22315974

Agrawal A, Freedman N, Cheng Y, Lin P, Shaffer JR, Sun Q, Taylor KC, Yaspan BL, Cole J, Corneli M, DeSensi RS, Fitzpatrick A, Heiss G, Kang J, Bookman E, Bucholz K, Caporaso N, Crout R, Dick D, Edenberg H, Goate A, Hesselbrock V, Kittner S, Kramer J, Nurnberger J, Qi L, Rice J, Schuckit M, van Dam R, Boerwinkle E, Hu F, Levy S, Marazita ML, Mitchell B, Pasquale L, O'Connell J, Bierut L, Siiri N. Bennet. Measuring Alcohol Consumption for Genomic Meta-Analyses of Alcohol Intake: Opportunities and Challenges. *The American Journal of Clinical Nutrition* 2012;95(3):539-47. PMID: 22301922

Kwon S, Burns TL, Levy SM, Janz KF. Breaks in Sedentary Time during Childhood and Adolescence: Iowa Bone Development Study. *Medicine & Science in Sports & Exercise* 2012;44(6):1075-1080. PMID: 22215180

Hartz SM, S Short, NL Saccone, R Culverhouse, LS Chen, T Schwantes-An, H Coon, Y Han, SH Stephens, J Sun, X Chen, F Ducci, N Dueker, N Franceschini, J Frank, F Geller, D Guðbjartsson, N Hansel, C Jiang, K Keskitalo-Vuokko, J Liu, L Lyytikäinen, M Michel, R Rawal, A Rosenberger, P Scheet, JR Shaffer, A Teumer, JR Thompson, JM Vink, N Vogelzangs, A Wenzlaff, W Wheeler, X Xiangjun, BZ Yang, SH Aggen, A Balmforth, S Baumeister, T Beaty, S Bennett, A Bergen, H Boyd, U Broms, H Campbell, N Chatterjee, J Chen, YC Cheng, S Cichon, D Couper, F Cucca, D Dick, T Foroud, H Furberg, I Giegling, F Gu, A S Hall, J Hällfors, S Han, AM Hartmann, C Hayward, K Heikkilä, JK Hewitt, JJ Hottenga, M Jensen, P Jousilahti, M Kaakinen, S Kittner, B Konte, T Korhonen, MT Landi, T Laatikainen, M Leppert, SM Levy, R Mathias, DW McNeil, S Medland, G Montgomery, T Muley, T Murray, M Nauck, K North, M Pergadia, O Polasek, E Ramos, S Ripatti, A Risch, I Ruczinski, I Rudan, V Salomaa, D Schlessinger, U Styrkársdóttir, A Terracciano, M Uda, G Willemsen, X Wu, G Abecasis, K Barnes, H Bickeböller, E Boerwinkle, DI Boomsma, N Caporaso, J Duan, HJ Edenberg, C Francks, PV Gejman, J Gelernter, HJ Grabe, H Hops, MR Jarvelin, V Jorma, M Kähönen, KS Kendler, T Lehtimäki, DF Levinson, ML Marazita, J Marchini, M Melbye, B Mitchell, JC Murray, MM Nöthen, BW Penninx, O Raitakari, M Rietschel, D Rujescu, N J Samani, AR Sanders, A Schwartz, S Shete, J Shi, M Spitz, K Stefansson, G Swan, T Thorgeirsson, H Völzke, Q Wei, HE Wichmann, C Amos, N Breslau, D Cannon, M Ehringer, R Grucza, D Hatsukami, A Heath, E Johnson, J Kaprio, P Madden, NG Martin, V Stevens, JA Stitzel, RB Weiss, P Kraft, LJ Bierut. Increased genetic vulnerability to smoking at CHRNA5 in early-onset smokers. *Archives of General Psychiatry* 2012;69(8):854-860. PMID: 22868939

Kavand G, Broffitt B, Levy SM, Warren JJ. Comparison of Dental Esthetic Perceptions of Young Adolescents and Their Parents. *Journal of Public Health Dentistry* 2012; 72(2):164-171. PMID: 22364682

Cruz-Orcutt N, Warren JJ, Broffitt B, Levy SM, Weber-Gasparoni K. Examiner Reliability of Fluorosis Scoring: A Comparison of Photographic and Clinical Examination Findings. *Journal of Public Health Dentistry* 2012;72(2):172-175. PMID 22316120

Wang X, Willing MC, Marazita ML, Wendell S, Warren JJ, Broffitt, Lidral A, Smith B, Levy SM. Genetic and environmental factors associated with dental caries in children: the Iowa Fluoride Study. *Caries Research* 2012;46(3):177-184. PMID 22508493.

Chen KY, Janz KF, Zhu W, Brychta RJ. Re-defining the roles of sensors in objective physical activity monitoring. *Medicine and Science in Sports and Exercise* 2012;44(Suppl 1):S13-23. PMID 22157770

Baptisma F, Janz KF. Physical activity in youth: Growth and development. Invited chapter for *Physical Activity and Public Health Practice*, Ainsworth BE and Macera CA, ed. Taylor and Francis: London, 2012.

Baptisma F, Janz KF. Physical activity, bone growth, and development in children and adolescents: A public health perspective. Invited chapter for *Handbook of Growth and Growth Monitoring in Health and Disease*, Preedy VR, ed. Springer: New York, 2012.

Gunter KB, Almstedt HC, Janz KF. Physical Activity in Childhood May Be the Key to Optimizing Lifespan Skeletal Health. *Exercise and Sport Sciences Reviews* 2012;40(1):13-21. PMID: 21918458.

2011

Sampaio FC, Levy SM. Systemic fluoride. *Monographs in Oral Science* 2011;22:133-45. PMID 21701196

Buzalaf MA, Levy SM. Fluoride intake of children: considerations for dental caries and dental fluorosis. *Monographs in Oral Science* 2011;22:1-19. PMID 21701188

Gunter KB, Almstedt HC, Baptista F, Janz KF. The importance of physical activity for optimal lifelong bone health. *President's Council on Fitness, Sports & Nutrition Research Digest*, Series 12, 4, 2011.

Geller F, Feenstra B, Zhang H, Shaffer JR, Hansen T, Esserlind AL, Boyd HA, Nohr EA, Timpson NJ, Fatemifar G, Paternoster L, Evans DM, Weyant RJ, Levy SM, Lathrop M, Smith GD, Murray JC, Olesen J, Werge T, Marazita ML, Sørensen TI, Melbye M. Genome-wide association study identifies four loci associated with eruption of permanent teeth. *PLoS Genetics* 2011;7(9):e1002275. Epub Sept.8,2011. PMID 21931568

Shaffer JR, Wang X, Feingold E, Lee M, Begum F, Weeks DE, Cuenco KT, Barmada MM, Wendell SK, Crosslin DR, Laurie CC, Doheny KF, Pugh EW, Zhang Q, Feenstra B, Geller F, Boyd HA, Zhang H, Melbye M, Murray JC, Weyant RJ, Crout R, McNeil DW, Levy SM, Slayton RL, Willing MC, Broffitt B, Vieira AR, Marazita ML. Genome-wide association scan for childhood caries implicates novel genes. *Journal of Dental Research* 2011;90(12):1457-1462. PMID 21940522.

Francis SL, Stancel MJ, Sernulka-George FD, Broffitt B, Levy SM, Janz KF. Tracking of TV and video gaming during childhood: Iowa Bone Development Study. *International Journal of Behavioral Nutrition and Physical Activity* 2011;8(1):100. PMID 21943061

Hong L, Levy SM, Warren JJ, Broffitt B. Amoxicillin Use During Early Childhood and Fluorosis of Later Developing Tooth Zones. *Journal of Public Health Dentistry* 2011;71(3):229-235. PMID: 21972463

- Chankanka O, Cavanaugh JE, Marshall TA, Levy SM, Warren JJ, Broffitt B, Kolker, JL. Longitudinal associations between children's dental caries and risk factors. *Journal of Public Health Dentistry* 2011;71:289-300. PMID 22320287
- Phattarataratip E, Olson B, Broffitt B, Qian F, Brogden KA, Drake DR, Levy SM, Banas JA. *Streptococcus mutans* strains recovered from caries-active or caries-free individuals differ in sensitivity to host antimicrobial peptides. *Molecular Oral Microbiology* 2011;26(3):187-199. PMID:21545696
- Chankanka O, Marshall TA, Cavanaugh J, Levy SM, Warren JJ, Broffitt B, Kolker J. Mixed dentition cavitated caries incidence and dietary intake frequencies. *Pediatric Dentistry* 2011;33(3):233-240. PMID: 21703076, NIHMS475150
- Kwon S, Janz KF, Burns TL, Levy SM. Association between light-intensity physical activity and adiposity in childhood. *Pediatric Exercise Science* 2011;23(2):218-229. PMID:21633134
- Kwon S, Janz KF, Burns TL, Levy SM. Effects of Adiposity on Physical Activity in Childhood: Iowa Bone Development Study. *Medicine and Science in Sports and Exercise* 2011. 43(3):443-448. PMID: 20631643
- Rankin SJ, Levy SM, Warren JJ, Gilmore JE, Broffitt B. Relative validity of a food frequency questionnaire for assessing dietary fluoride intakes of infants and young children living in Iowa. *Public Health Nutrition* 2011; 14(7):1229-1236. PMID 21450138
- Martinez-Mier EA, Cury JA, Heilman JR, Katz BP, Levy SM, Li Y, Maguire A, Margineda J, O'Mullane D, Phantumvanit P, Soto-Rojas AE, Stookey GK, Villa A, Wefel JS, Whelton H, Whitford GM, Zero DT, Zhang W, Zohouri V. Development of gold standard ion-selective electrode-based methods for fluoride analysis *Caries Research* 2011;45(1):3-12. PMID: 21160184.

2010

- Clarkson J, Watt RG, Rugg-Gunn AJ, Pitiphat W, Ettinger RL, Horowitz AM, Petersen PE, ten Cate JM, Vianna R, Ferrillo P, Gugushe TS, Siriphat P, Pine C, Buzalaf MA, Pessan JP, Levy S, Chankanka O, Maki Y, Postma TC, Villena RS, Wang WJ, MacEntee MI, Shinsho F, Cal E, Rudd RE, Schou L, Shin SC, Fox CH. Proceedings: 9th World Congress on Preventive Dentistry (WCPD): "Community participation and global alliances for lifelong oral health for all," Phuket, Thailand, September 7-10, 2009. *Advances in Dental Research* 2010;22(1):2-30. PMID:20495020
- Levy SM, Broffitt B, Marshall TA, Eichenberger-Gilmore JM, Warren JJ. Associations between fluorosis of permanent incisors and fluoride intake from infant formula, other dietary sources and dentifrice during early childhood. *Journal of the American Dental Association* 2010; 141(10):1190-1201. PMID: 20884921

Cannon HM, Broffitt B, Levy SM, Warren JJ. Longitudinal Changes in Parental Satisfaction: Mixed Dentition Esthetics. *Journal of Dentistry for Children* 2010; 77(3):166-173.

Eichenberger Gilmore JM, Pauley CA, Burns TL, Torner JC, Letuchy EM, Janz KF, Willing MC, Levy SM. A hip analysis protocol for pediatric bone densitometry: the Iowa Bone Development Study. *Journal of Clinical Densitometry* 2010;13:361-369. PMID: 20850364

Janz KF, Letuchy EM, Eichenberger Gilmore JM, Burns TL, Torner JC, Willing MC, Levy SM. Early Physical Activity Provides Sustained Bone Health Benefits Later in Childhood. *Medicine and Science in Sports and Exercise* 2010;42(6):1072-1078. PMID: 19997029

Chankanka O, Levy SM, Warren JJ, Chalmers, J. A literature review of esthetic perceptions of dental fluorosis and relationships with psychosocial aspects/oral health-related quality of life. *Community Dentistry and Oral Epidemiology* 2010;38:97-109. PMID: 20002631

2009

Hong L, Levy SM, Warren JJ, Broffitt B. Association between enamel hypoplasia and dental caries in primary second molars: a cohort study. *Caries Research* 2009; 43(5):345-353. PMID: 19648745

Janz KF, Kwon S, Letuchy EM, Eichenberger Gilmore JM, Burns TL, Torner JC, Willing MC, Levy SM. Sustained Effect of Early Physical Activity on Body Fat Mass in Older Children. *American Journal of Preventive Medicine* 2009;37(1):35-40. PMID: 19423269

Levy SM, Eichenberger-Gilmore J, Warren JJ, Letuchy E, Broffitt B, Marshall TA, Burns T, Willing M, Janz K, Torner JC. Associations of Fluoride Intake with Children's Bone Measures at Age 11. *Community Dentistry and Oral Epidemiology* 2009; 37(5):416-426. PMID: 19740248

Warren JJ, Levy SM, Broffitt B, Cavanaugh JE, Kanellis MJ, Weber-Gasparoni K. Considerations on optimal fluoride intake using dental fluorosis and dental caries outcomes – a longitudinal study. *Journal of Public Health Dentistry* 2009; 69(2): 111-115. PMID: 19054310

Wenthe PJ, Janz KF, and Levy SM. Gender similarities and differences in factors associated with adolescent moderate-vigorous physical activity. *Pediatric Exercise Science* 2009; 21(3): 291-304. PMID: 19827453

2008

Janz KF, Medema-Johnson HC, Letuchy EM, Burns TL, Eichenberger Gilmore JM, Torner JC, Willing M, Levy SM. Subjective and objective measures of physical activity in relationship to bone mineral content during late childhood: the Iowa Bone Development Study. *British Journal of Sports Medicine* 2008; 42:658-663. PMID: 18603581

Lawson J, Warren JJ, Levy SM, Broffitt B, Bishara SE. Relative esthetic importance of orthodontic and color abnormalities. *Angle Orthodontist* 2008; 78(5):889-894. PMID: 18298207

Janz KF, Letuchy EM, Wenthe P, Levy SM. Measuring activity in children and adolescents using self report: PAQ-C and PAQ-A. *Medicine and Science in Sports and Exercise* 2008; 40(4):767-772. PMID: 18317366

Marshall TA, Eichenberger Gilmore JM, Broffitt B, Stumbo PJ, Levy SM. Relative validity of the Iowa Fluoride Study targeted nutrient semi-quantitative questionnaire and the Block kids' food questionnaire for estimating beverage, calcium, and vitamin D intakes by children. *Journal of the American Dietetic Association* 2008; 108:465-472. PMID: 18313429

Gilmore JME, Marshall TA, Levy SM, Stumbo PJ. Development of the Iowa bone nutrient food frequency questionnaire based on data from the US Department of Agriculture Continuing Survey of the Food Intake by Individuals. *Journal of Food Composition and Analysis* 2008; February:S60-S68. PMID: 19190708

2007

Janz KF, Eichenberger Gilmore JM, Levy SM, Letuchy EM, Burns TL, Beck TJ. Physical activity and femoral neck bone strength during childhood: The Iowa Bone Development Study. *Bone*, 2007; 41(2):216-222. PMID: 17560839

Marshall TA, Eichenberger-Gilmore, JM, Broffitt, BA, Warren JJ, Levy SM. Dental caries and childhood obesity: roles of diet and socioeconomic status. *Community Dentistry and Oral Epidemiology* 2007; 35:449-458.

Broffitt B, Levy SM, Warren JJ, Cavanaugh JE. An investigation of bottled water use and caries in the mixed dentition. *Journal of Public Health Dentistry* 2007; 67(3): 151-158.

Marshall TA, Eichenberger Gilmore JM, Larson MA, Warren JJ, Levy SM. Comparison of the intakes of sugars by young children with and without dental caries experience. *Journal of the American Dental Association* 2007; 138(1):39-46.

Bhuridej P, Levy SM, Warren JJ, Islam M, McGrady JA. Effects of Toothbrush Size and Dentifrice Type/Brand. *International Dental Journal* 2007; 57(2):71-76.

2006

Eichenberger Gilmore JM. Opportunities for describing adolescent multiple-vitamin supplement use, dietary intake, and health behaviors. *Journal of the American Dietetic Association* 2006; 106(12):1962-1965.

Heilman JR, Levy SM, Wefel JS, Patterson KY, Cutrufelli R, Pehrsson PR, Holden JM. Fluoride Assay Methodology for Carbonated Beverages. *Journal of Dentistry for Children* 2006; 73:136-139.

- Hong L, Levy SM, Warren JJ, Broffitt B, Cavanaugh J. Fluoride intake levels in relation to fluorosis development in permanent maxillary central incisors and first molars. *Caries Research* 2006; 40:494-500.
- Darter BJ, Janz KF, Puthoff ML, Broffitt B, Nielsen DH. Reliability and accuracy of the AMP 331 for activity monitoring and energy expenditure prediction in young adults. *Journal of Physical Activity and Health* 2006; 3:277-291.
- Bishara SE, Warren JJ, Broffitt B, Levy SM. Changes in the prevalence of nonnutritive sucking patterns in the first 8 years of life. *American Journal of Orthodontics & Dentofacial Orthopedics* 2006; 130:31-36.
- Levy SM, Warren JJ, Broffitt B, Kanellis MJ. Associations between dental fluorosis of the permanent and primary dentitions. *Journal of Public Health Dentistry* 2006; 66(3):180-185.
- Hong L, Levy SM, Broffitt B, Warren JJ, Kanellis MJ, Wefel JS, Dawson DV. Timing of fluoride intake in relation to development of fluorosis on maxillary central incisors. *Community Dentistry and Oral Epidemiology* 2006; 34:299-309.
- Hamasha AA, Warren JJ, Levy SM, Broffitt B, Kanellis MJ. Oral health behaviors of children in low and high socioeconomic status families. *Pediatric Dentistry* 2006; 28:310-315.
- Janz KF, Gilmore JM, Burns TL, Levy SM, Torner, JC, Willing MC, Marshall, TA. Physical activity augments bone mineral accrual in young children: The Iowa Bone Development Study. *The Journal of Pediatrics* 2006; 148:793-799.
- Franzman MR, Levy SM, Warren JJ. Fluoride dentifrice ingestion and fluorosis of the permanent incisors. *Journal of the American Dental Association* 2006; 137:645-652.
- Hamasha AA, Levy SM, Warren JJ. Dental visits and professional fluoride applications for children 72 to 108 months old. *Journal of Dentistry for Children* 2006; 73:20-24.
- Warren JJ, Levy SM, Broffitt B, Kanellis MJ. Longitudinal study of non-cavitated carious lesion progression in the primary dentition. *Journal of Public Health Dentistry* 2006; 66(2):83-87.
- Levy SM, Hong L, Warren JJ, Broffitt B. Use of the fluorosis risk index in a cohort study: The Iowa Fluoride Study. *Journal of Public Health Dentistry* 2006; 66(2):92-96.
- Janz KF. Editorial (commissioned). Physical activity in epidemiology: Moving from questionnaire to objective measurement. *British Journal of Sports Medicine* 2006; 40:191-192.

2005

- Levy SM, Warren JJ, Broffitt B, Nielsen B. Factors associated with parents' esthetic perceptions of children's mixed dentition fluorosis and demarcated opacities. *Pediatric Dentistry* 2005; 27(6):486-492.
- Warren JJ, Slayton RL, Yonezu T, Bishara SE, Levy SM, Kanellis MJ. Effects of nonnutritive sucking habits on occlusal characteristics in the mixed dentition. *Pediatric Dentistry* 2005; 27(6):445-450.
- Hong L, Levy SM, Warren JJ, Dawson DV, Bergus GR, Wefel JS. Association of amoxicillin use during early childhood with developmental tooth enamel defects. *Archives of Pediatric Adolescent Medicine* 2005; 159:943-948.
- Janz KF, Burns TL, Levy SM. Tracking of activity and sedentary behaviors in childhood-The Iowa Bone Development Study. *American Journal of Preventive Medicine* 2005; 29(3):171-178.
- Janz KF, Broffitt B, Levy SM. Validation evidence for the Netherlands Physical Activity Questionnaire for Children: The Iowa Bone Development Study. *Research Quarterly for Exercise and Sport* 2005; 76(3):363-369.
- Marshall TA, Broffitt B, Eichenberger-Gilmore J, Warren JJ, Cunningham MA, Levy SM. The roles of meal, snack, and daily total food and beverage exposures on caries experience in young children. *Journal of Public Health Dentistry* 2005; 65(3):166-173.
- Hamasha AA, Levy SM, Warren JJ. Patterns of Fluoride Mouthrinse and Gel Use by Children 6 to 96 Months of Age. *Pediatric Dentistry* 2005; 27(3):217-220.
- Eichenberger Gilmore JM, Hong L, Broffitt B, Levy SM. Longitudinal patterns of vitamin and mineral supplement use in young white children. *Journal of the American Dietetic Association* 2005; 105(5):763-772
- Willing MC, Torner JC, Burns TL, Janz KF, Marshall TA, Gilmore J, Warren JJ, Levy SM. Percentile distributions of bone measurements in Iowa children: The Iowa Bone Development Study. *Journal of Clinical Densitometry* 2005; 8(1):39-47.
- Hamasha AA, Levy SM, Broffitt B, Warren JJ. Patterns of dietary fluoride supplement use in children from birth to 96 months of age. *Journal of Public Health Dentistry* 2005; 65(1):7-13.
- Marshall TA, Eichenberger Gilmore JM, Broffitt B, Stumbo PJ, Levy SM. Diet quality in young children is influenced by beverage composition. *Journal of the American College of Nutrition* 2005; 24(1):65-75.
- Freedson PS, Pober D, Janz KF. Calibration of accelerometer output for children. *Medicine and Science in Sports and Exercise* 2005; 37:S523-S530.

2004

Marshall TA, Levy SM, Warren JJ, Broffitt B, Eichenberger-Gilmore J, Stumbo P. Associations between intakes of fluoride from beverages during infancy and dental fluorosis of primary teeth. *Journal of the American College of Nutrition* 2004; 23(2):108-116.

Franzman MR, Levy SM, Warren JJ, Broffitt B. Tooth-brushing and dentifrice use among children ages 6 to 60 months. *Pediatric Dentistry* 2004; 26(1):87-92.

Hong L, Levy SM, Warren JJ, Bergus GR, Dawson DV, Wefel JS, Broffitt B. Primary tooth fluorosis and amoxicillin use during infancy. *Journal of Public Health Dentistry* 2004; 64(1):38-44.

Janz KF, Burns TL, Levy SM, Torner JC, Willing MC, Beck TJ, Gilmore JM, Marshall TA. Everyday activity predicts bone geometry in children: The Iowa Bone Development Study. *Medicine & Science in Sports and Exercise* 2004; 36(7):1124-1131.

Broffitt B, Levy SM, Warren JJ, Heller KE. Seasonal variation in fluoride intake: The Iowa Fluoride Study. *Journal of Public Health Dentistry* 2004; 64(4):198-204.

Shenkin JD, Broffitt B, Levy SM, Warren JJ. The association between environmental tobacco smoke and primary tooth caries. *Journal of Public Health Dentistry* 2004; 64(3):184-186.

Dye BA, Shenkin JD, Ogden CL, Marshall TA, Levy SM, Kanellis MJ. The relationship between healthful eating practices and dental caries in children aged 2-5 years in the United States, 1988-1994. *Journal of the American Dental Association* 2004; 135:55-66.

2003

Warren JJ, Slayton RL, Yonezu T, Kanellis MJ and Levy SM. Interdental spacing and caries in the primary dentition. *Pediatric Dentistry* 2003; 25(2):109-113.

Warren JJ and Levy SM. Current and future role of fluoride in nutrition. *Dental Clinics of North America* 2003; 47(2):225-243.

Warren JJ, Bishara SE and Yonezu T. Tooth size arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples. *American Journal of Orthodontics and Dentofacial Orthopedics* 2003; 123(6):614-619.

Marshall TA, Eichenberger Gilmore JM, Broffitt B, Levy SM, Stumbo PJ. Relative validation of a beverage frequency questionnaire in children ages 6 months through 5 years using 3-day food and beverage diaries. *Journal of the American Dietetic Association* 2003; 103(6):714-720.

Mariri BP, Levy SM, Warren JJ, Bergus GR, Marshall TA, Broffitt B. Medically administered antibiotics, dietary habits, fluoride intake and dental caries experience in the primary dentition. *Community Dentistry & Oral Epidemiology* 2003; 31(1):40-51.

Levy SM, Warren JJ, Broffitt B, Hillis SL, Kanellis MJ. Fluoride, beverages and dental caries in the primary dentition. *Caries Research* 2003; 37:157-165.

Levy SM. An update on fluorides and fluorosis. *Journal of the Canadian Dental Association* 2003; 69(5):286-291.

Marshall TA, Levy SM, Broffitt B, Warren JJ, Eichenberger-Gilmore J, Burns T, Stumbo P. Dental caries and beverage consumption in young children. *Pediatrics* 2003; 112(3):184-191.

Marshall TA, Levy SM, Broffitt B, Eichenberger-Gilmore J, Stumbo P. Patterns of beverage consumption during the transition stage of infant nutrition. *Journal of the American Dietetic Association* 2003; 103(10):1350-1353.

Levy SM, Broffitt B, Slayton R, Warren JJ, Kanellis M. Dental visits and professional fluoride applications for children ages 3 to 6 in Iowa. *Pediatric Dentistry* 2003; 25(6): 565-571.

Janz KF, Rao S, Baumann HJ, Schultz JL. Measuring children's vertical ground reaction forces with accelerometry during walking, running, and jumping: The Iowa Bone Development Study. *Pediatric Exercise Science* 2003; 15:34-43.

Levy SM, Warren JJ, Broffitt B. Patterns of fluoride intake from 36 to 72 months of age. *Journal of Public Health Dentistry* 2003; 63(4):211-220.

Willing MC, Torner JC, Burns TL, Janz KF, Marshall T, Gilmore J, Deschenes SP, Warren JJ, Levy SM. Gene polymorphisms, bone mineral density and bone mineral content in young children: The Iowa Bone Development Study. *Osteoporosis International* 2003; 14(8):650-658.

2002

Janz KF. Physical activity and bone development during childhood and adolescence. Implications for the prevention of osteoporosis. *Minerva Pediatrica* 2002; 54 (2):93-104.

Janz KF, Levy SM, Burns TL, Torner JC, Willing, MC, and Warren JJ. Fatness, physical activity, and television viewing in children during the adiposity rebound period: The Iowa Bone Development Study. *Preventive Medicine* 2002; 35(6):563-571.

Levy SM, Hillis SL, Warren JJ, Broffitt BA, Mahbubul Islam AKM, Wefel JS, and Kanellis MJ. Primary tooth fluorosis and fluoride intake during the first year of life. *Community Dentistry & Oral Epidemiology* 2002; 30(4):286-295.

Levy SM, Slager SL, Warren JJ, Levy BT, Nowak AJ. Associations of pacifier use, digit sucking, and child care attendance with cessation of breastfeeding. *The Journal of Family Practice* 2002; 51(5):465.

Levy SM, Warren JJ, Jakobsen JR. Follow-up study of dental students' esthetic perceptions of mild dental fluorosis. *Community Dentistry & Oral Epidemiology* 2002; 30(1):24-28.

Warren JJ and Bishara SE. Duration of nutritive and nonnutritive sucking behaviors and their effects on the dental arches in the primary dentition. *American Journal of Orthodontics & Dentofacial Orthopedics* 2002; 121(4):347-356.

Warren JJ, Levy SM, Kanellis MJ. Dental caries in the primary dentition: assessing prevalence of cavitated and noncavitated lesions. *Journal of Public Health Dentistry* 2002; 62(2):109-114.

Warren JJ, Yonezu T, Bishara SE. Tooth wear patterns in the deciduous dentition. *American Journal of Orthodontics & Dentofacial Orthopedics* 2002; 122(6):614-618.

Slayton RL, Kanellis MJ, Levy SM, Warren JJ, Islam M. Frequency of reported dental visits and professional fluoride application in a cohort of children followed from birth to age 3 years. *Pediatric Dentistry* 2002; 24(1):64-68.

2001

Paulos R, Janz KF. *The Iowa Bone Development Study Application Software: The Iowa Physical Activity Counter*. Distributed by Manufacturing Technology, Inc, Ambulatory Monitoring, Fort Walton Beach, FL. <http://www.mtiactigraph.com/software.asp>. Program creates physical activity variables from electronic motion sensor data, 2001.

Bergus GR, Levy SM, Kirchner HL, Warren JJ, Levy BT. A prospective study of antibiotic use and associated infections in young children. *Paediatric and Perinatal Epidemiology* 2001; 15(1):61-67.

Janz KF, Burns TL, Torner JC, Levy SM, Paulos R, Willing MC, Warren JJ. Physical activity and bone measures in young children: The Iowa Bone Development Study. *Pediatrics* 2001; 107(6):1387-1393.

Slayton RL, Warren JJ, Kanellis MJ, Levy SM, Islam M. Prevalence of enamel hypoplasia and isolated opacities in the primary dentition. *Pediatric Dentistry* 2001; 23(1):32-36.

Turpin DL. Where has all the arch length gone? *American Journal of Orthodontics & Dentofacial Orthopedics* 2001; 119:201. (Commentary on following article by Warren and Bishara)

Warren JJ and Bishara SE. Comparison of dental arch measurements in the primary dentition between contemporary and historic samples. *American Journal of Orthodontics & Dentofacial Orthopedics* 2001; 119(3):211-215.

Warren JJ, Bishara SE, Steinbock KL, Yonezu T, Nowak AJ. Effects of oral habits' duration on dental characteristics in the primary dentition. *Journal of the American Dental Association* 2001; 132(12):1685-1693.

Warren JJ, Levy SM, Kirchner HL, Nowak AJ, Bergus GR. Pacifier use and the occurrence of otitis media in the first year of life. *Pediatric Dentistry* 2001; 23(2):103-107.

Yonezu T, Warren JJ, Bishara SE, Steinbock KL. Comparison of tooth size and dental arch widths in contemporary Japanese and American preschool children. *World Journal of Orthodontics* 2001; 2:356-360.

Levy SM, Warren JJ, Davis CS, Kirchner HL, Kanellis MJ, Wefel JS. Patterns of fluoride intake from birth to 36 months. *Journal of Public Health Dentistry* 2001; 61(2):70-77.

Warren JJ, Levy SM, Kanellis MJ. Prevalence of dental fluorosis in the primary dentition. *Journal of Public Health Dentistry* 2001; 61(2):87-91.

2000

Levy SM, McGrady JA, Bhuridej P, Warren JJ, Heilman JR, Wefel JS. Factors affecting dentifrice use and ingestion among a sample of U.S. preschoolers. *Pediatric Dentistry* 2000; 22(5):389-394.

Warren JJ, Levy SM, Nowak AJ, Tang S. Non-nutritive sucking behaviors in preschool children: A longitudinal study. *Pediatric Dentistry* 2000; 22(3):187-191.

1999

Heilman JR, Kiritsy MC, Levy SM, Wefel JS. Assessing fluoride levels of carbonated soft drinks. *Journal of the American Dental Association* 1999; 130(11):1593-1599.

Levy SM and Guha-Chowdhury N. Total fluoride intake and implications for dietary fluoride supplementation. *Journal of Public Health Dentistry* 1999; 59(4):211-223.

McKnight CB, Levy SM, Cooper SE, Jakobsen JR, Warren JJ. A pilot study of dental students' esthetic perceptions of computer-generated mild dental fluorosis compared to other conditions. *Journal of Public Health Dentistry* 1999; 59(1):18-23.

Warren JJ, Kanellis MJ, Levy SM. Fluorosis of the primary dentition: What does it mean for permanent teeth? *Journal of the American Dental Association* 1999; 130(3):347-356.

Warren JJ and Levy SM. Systemic fluoride: sources, amounts, and effects of ingestion. *Dental Clinics of North America* 1999; 43(4):695-711.

Warren JJ and Levy SM. A review of fluoride dentifrice related to dental fluorosis. *Pediatric Dentistry* 1999; 21(4):266-272.

1998

Levy SM, Kiritsy MC, Slager SL, Warren JJ. Patterns of dietary fluoride supplement use during infancy. *Journal of Public Health Dentistry* 1998; 58(3):228-233.

McKnight CB, Levy SM, Cooper SE, Jakobsen JR. A pilot study of esthetic perceptions of dental fluorosis vs. selected other dental conditions. *Journal of Dentistry for Children* 1998; 65(4):233-238.

1997

Heilman JR, Kiritsy MC, Levy SM, Wefel JS. Fluoride concentrations of infant foods. *Journal of the American Dental Association* 1997; 128(7):857-863.

Levy SM, Kiritsy MC, Slager SL, Warren JJ, Kohout FJ. Patterns of fluoride dentifrice use among infants. *Pediatric Dentistry* 1997; 19(1):50-55.

1996

Bergus GR, Levy BT, Levy SM, Slager SL, Kiritsy MC. Antibiotic use during the first 200 days of life. *Archives of Family Medicine* 1996; 5(9):523-526.

Kiritsy MC, Levy SM, Warren JJ, Guha-Chowdhury N, Heilman JR, Marshall T. Assessing fluoride concentrations of juices and juice-flavored drinks. *Journal of the American Dental Association* 1996; 127(7):895-901.

Levy BT, Bergus GR, Levy SM, Slager SL, Kiritsy MC. Longitudinal feeding patterns of infants. *Ambulatory Child Health* 1996; 2:25-34.

1995

Levy SM, Kiritsy MC, Warren JJ. Sources of fluoride intake in children. *Journal of Public Health Dentistry* 1995; 55(1):39-52.

Levy SM, Kohout FJ, Guha-Chowdhury N, Kiritsy MC, Heilman JR, Wefel JS. Infants' fluoride intake from drinking water alone, and from water added to formula, beverages, and food. *Journal of Dental Research* 1995; 74(7):1399-1407.

Levy SM, Kohout FJ, Kiritsy MC, Heilman JR, Wefel JS. Infants' fluoride ingestion from water supplements and dentifrice. *Journal of the American Dental Association* 1995; 126(12):1625-1632.

Van Winkle S, Levy SM, Kiritsy MC, Heilman JR, Wefel JS, Marshall T. Water and formula fluoride concentrations: significance for infants fed formula. *Pediatric Dentistry* 1995; 17(4):305-310.

1994

Levy SM. Review of fluoride exposures and ingestion. *Community Dentistry & Oral Epidemiology* 1994; 22(3):173-180.

1993

Levy SM. A review of fluoride intake from fluoride dentifrice. *Journal of Dentistry for Children* 1993; 60(2):115-124.

Levy SM, Maurice TJ, Jakobsen JR. Dentifrice use among preschool children. *Journal of the American Dental Association* 1993; 124(9):57-60.

Levy SM, Maurice TJ, Jakobsen JR. Feeding patterns, water sources and fluoride exposures of infants and 1-year olds. *Journal of the American Dental Association* 1993; 124(4):65-69.

1992

Levy SM, Maurice TJ, Jakobsen JR. A pilot study of preschoolers' use of regular-flavored dentifrices and those flavored for children. *Pediatric Dentistry* 1992; 14(6):388-391.

Levy SM, Muchow G. Provider compliance with recommended dietary fluoride supplement protocol. *American Journal of Public Health* 1992; 82(2):281-283.

1991

Levy SM, Zarei-M Z. Evaluation of fluoride exposures in children. *Journal of Dentistry for Children* 1991; 58(6):467-473.