

https://dspace.org/

Growth patterns in a cohort of very low birth weight infants in Johannesburg: a retrospective review

Mackay, Cheryl Anne

2010-08-24
http://hdl.handle.net/10539/8537

Downloaded from a DSpace repository. https://dspace.org/

REFERENCES:

(1) UNICEF. The State of the World's Children 2008: Child Survival. 2008; Available at: http://www.unicef.org/publications/files/The_State_of_the_Worlds_Children_2008.pdf. Accessed 06/10, 2009.

(2) United Nations. United Nations Millenium Development Goals Report 2008. 2008; Available at: http://www.un.org/milleniumgoals. Accessed 06/09, 2009.

(3) World Health Organization. Integrated Management of Childhood Illness. 2006; Available at: http://www.who.int/child_adolescent_health/topics/prevention_care/child/imci/en/. Accessed 06/10, 2009.

(4) Fayter D, Nixon J, Hartley S, Rithalia A, Butler G, Rudolf M, et al. A systematic review of the routine monitoring of growth in children of primary school age to identify growth-related conditions. Health Technol.Assess. 2007 Jun;11(22):iii, xi-xii, 1-163.

(5) Gerein NM, Ross DA. Is growth monitoring worthwhile? An evaluation of its use in three child health programmes in Zaire. Soc.Sci.Med. 1991;32(6):667-675.

(6) Iyasu S, Tomashak K, Bayfield W. Infant Mortality and Low Birth Weight among Black and White infants - United States 1980-2000. CDC Morbidity and Mortality Weekly Report 2002;51(27):589-592.

(7) Velaphi SC, Mokhachane M, Mphahlele RM, Beckh-Arnold E, Kuwanda ML, Cooper PA. Survival of very-low-birth-weight infants according to birth weight and gestational age in a public hospital. S.Afr.Med.J. 2005 Jul;95(7):504-509.

(8) Cooper PA, Saloojee H, Bolton KD, Mokachane M. Survival of low birth weight infants at Baragwanath Hospital *1950-1996*. S Afr Med J 1999;89(11):1179-1181.

(9) Gill A, Yu VY, Bajuk B, Astbury J. Postnatal growth in infants born before 30 weeks' gestation. Arch.Dis.Child. 1986 Jun;61(6):549-553.

(10) Hack M, Schluchter M, Cartar L, Rahman M, Cuttler L, Borawski E. Growth of very low birth weight infants to age 20 years. Pediatrics 2003 Jul;112(1 Pt 1):e30-8.

(11) Niklasson A, Engstrom E, Hard AL, Wikland KA, Hellstrom A. Growth in very preterm children: a longitudinal study. Pediatr.Res. 2003 Dec;54(6):899-905.

(12) Ehrenkranz RA, Younes N, Lemons JA, Fanaroff AA, Donovan EF, Wright LL, et al. Longitudinal growth of hospitalized very low birth weight infants. Pediatrics 1999 Aug;104(2 Pt 1):280-289.

(13) Ford GW, Doyle LW, Davis NM, Callanan C. Very low birth weight and growth into adolescence. Arch.Pediatr.Adolesc.Med. 2000 Aug;154(8):778-784.

(14) Knops NB, Sneeuw KC, Brand R, Hille ET, den Ouden AL, Wit JM, et al. Catch-up growth up to ten years of age in children born very preterm or with very low birth weight. BMC Pediatr. 2005 Jul 20;5:26.

(15) Macdonald PD, Ross SR, Grant L, Young D. Neonatal weight loss in breast and formula fed infants. Arch.Dis.Child.Fetal Neonatal Ed. 2003 Nov;88(6):F472-6.

(16) Chellakooty M, Juul A, Boisen KA, Damgaard IN, Kai CM, Schmidt IM, et al. A prospective study of serum insulin-like growth factor I (IGF-I) and IGF-binding protein-3 in 942 healthy infants: associations with birth weight, gender, growth velocity, and breastfeeding. J.Clin.Endocrinol.Metab. 2006 Mar;91(3):820-826.

(17) Embleton NE, Pang N, Cooke RJ. Postnatal malnutrition and growth retardation: an inevitable consequence of current recommendations in preterm infants? Pediatrics 2001 Feb;107(2):270-273.

(18) Fattal-Valevski A, Toledano-Alhadef H, Golander A, Leitner Y, Harel S. Endocrine profile of children with intrauterine growth retardation. J.Pediatr.Endocrinol.Metab. 2005 Jul;18(7):671-676.

(19) Baxter-Jones AD, Cardy AH, Helms PJ, Phillips DO, Smith WC. Influence of socioeconomic conditions on growth in infancy: the 1921 Aberdeen birth cohort. Arch.Dis.Child. 1999 Jul;81(1):5-9.

(20) Haschke F, van't Hof MA. Euro-Growth references for breast-fed boys and girls: influence of breast-feeding and solids on growth until 36 months of age. Euro-Growth Study Group. J.Pediatr.Gastroenterol.Nutr. 2000;31 Suppl 1:S60-71.

(21) Bauer K, Bovermann G, Roithmaier A, Gotz M, Proiss A, Versmold HT. Body composition, nutrition, and fluid balance during the first two weeks of life in preterm neonates weighing less than 1500 grams. J.Pediatr. 1991 Apr;118(4 (Pt 1)):615-620.

(22) Wood NS, Costeloe K, Gibson AT, Hennessy EM, Marlow N, Wilkinson AR, et al. The EPICure study: growth and associated problems in children born at 25 weeks of gestational age or less. Arch.Dis.Child.Fetal Neonatal Ed. 2003 Nov;88(6):F492-500.

(23) Bertino E, Coscia A, Boni L, Rossi C, Martano C, Giuliani F, et al. Weight growth velocity of very low birth weight infants: role of gender, gestational age and major morbidities. Early Hum.Dev. 2009 Feb 1.

(24) Guo SS, Roche AF, Chumlea WC, Casey PH, Moore WM. Growth in weight, recumbent length, and head circumference for preterm low-birthweight infants during the first three years of life using gestation-adjusted ages. Early Hum.Dev. 1997 Feb 20;47(3):305-325.

(25) Guo SM, Roche AF, Fomon SJ, Nelson SE, Chumlea WC, Rogers RR, et al. Reference data on gains in weight and length during the first two years of life. J.Pediatr. 1991 Sep;119(3):355-362.

(26) Committee on Nutrition . Nutritional Needs of Low-Birth-Weight Infants. Pediatrics 1985 May 1;75(5):976-986.

(27) Brandt I, Sticker EJ, Gausche R, Lentze MJ. Catch-up growth of supine length/height of very low birth weight, small for gestational age preterm infants to adulthood. J.Pediatr. 2005 Nov;147(5):662-668.

(28) Xiong XL, Wightkin J, Magnus JH, Pridjian G, Acuna JM, Buekens P. Birth Weight and Infant Growth: Optimal Infant Weight Gain versus Optimal Infant Weight. Matern Child Health J 2007;11:57-63.

(29) Bertino E, Coscia A, Mombro M, Boni L, Rossetti G, Fabris C, et al. Postnatal weight increase and growth velocity of very low birthweight infants. Arch.Dis.Child.Fetal Neonatal Ed. 2006 Sep;91(5):F349-56.

(30) Strauss RS, Dietz WH. Effects of intrauterine growth retardation in premature infants on early childhood growth. J.Pediatr. 1997 Jan;130(1):95-102.

(31) Radmacher PG, Looney SW, Rafail ST, Adamkin DH. Prediction of extrauterine growth retardation (EUGR) in VVLBW infants. J.Perinatol. 2003 Jul-Aug;23(5):392-395.

(32) Albertsson-Wikland K, Karlberg J. Natural growth in children born small for gestational age with and without catch-up growth. Acta Paediatr.Suppl. 1994 Apr;399:64-70; discussion 71.

(33) Cooke RW, Foulder-Hughes L. Growth impairment in the very preterm and cognitive and motor performance at 7 years. Arch.Dis.Child. 2003 Jun;88(6):482-487.

(34) Cooper PA, Sandler DL. Outcome of very low birth weight infants at 12 to 18 months of age in Soweto, South Africa. Pediatrics 1997 Apr;99(4):537-544.

(35) Barker DJ, Winter PD, Osmond C, Margetts B, Simmonds SJ. Weight in infancy and death from ischaemic heart disease. Lancet 1989 Sep 9;2(8663):577-580.

(36) Barker DJ, Hales CN, Fall CH, Osmond C, Phipps K, Clark PM. Type 2 (non-insulin-dependent) diabetes mellitus, hypertension and hyperlipidaemia (syndrome X): relation to reduced fetal growth. Diabetologia 1993 Jan;36(1):62-67.

(37) Eriksson JG, Forsen T, Tuomilehto J, Osmond C, Barker DJ. Early growth and coronary heart disease in later life: longitudinal study. BMJ 2001 Apr 21;322(7292):949-953.

(38) Law CM, Shiell AW, Newsome CA, Syddall HE, Shinebourne EA, Fayers PM, et al. Fetal, infant, and childhood growth and adult blood pressure: a longitudinal study from birth to 22 years of age. Circulation 2002 Mar 5;105(9):1088-1092.

(39) Ong KK, Ahmed ML, Emmett PM, Preece MA, Dunger DB. Association between postnatal catch-up growth and obesity in childhood: prospective cohort study. BMJ 2000 Apr 8;320(7240):967-971.

(40) May R, Barber J, Simpson T, Winders N, Kuhler K, Schroeder S. Growth pattern of overweight preschool children in the Siouxland WIC program. Am.J.Hum.Biol. 2002 Nov-Dec;14(6):769-776.

(41) Stettler N, Zemel BS, Kumanyika S, Stallings VA. Infant weight gain and childhood overweight status in a multicenter, cohort study. Pediatrics 2002 Feb;109(2):194-199.

(42) Fall CH, Sachdev HS, Osmond C, Lakshmy R, Biswas SD, Prabhakaran D, et al. Adult metabolic syndrome and impaired glucose tolerance are associated with different patterns of BMI gain during infancy: Data from the New Delhi Birth Cohort. Diabetes Care 2008 Dec;31(12):2349-2356.

(43) Karlberg J, Albertsson-Wikland K. Growth in full-term small-for-gestational-age infants: from birth to final height. Pediatr.Res. 1995 Nov;38(5):733-739.

(44) Lundgren EM, Cnattingius S, Jonsson B, Tuvemo T. Intellectual and psychological performance in males born small for gestational age. Horm.Res. 2003;59 Suppl 1:139-141.

(45) Uthaya S, Thomas EL, Hamilton G, Dore CJ, Bell J, Modi N. Altered adiposity after extremely preterm birth. Pediatr.Res. 2005 Feb;57(2):211-215.

(46) Vickers MH, Breier BH, Cutfield WS, Hofman PL, Gluckman PD. Fetal origins of hyperphagia, obesity, and hypertension and postnatal amplification by hypercaloric nutrition. Am.J.Physiol.Endocrinol.Metab. 2000 Jul;279(1):E83-7.

(47) von Kries R, Koletzko B, Sauerwald T, von Mutius E, Barnert D, Grunert V, et al. Breast feeding and obesity: cross sectional study. BMJ 1999 Jul 17;319(7203):147-150.

(48) Lucas A, Morley R, Cole TJ, Gore SM. A randomised multicentre study of human milk versus formula and later development in preterm infants. Arch.Dis.Child.Fetal Neonatal Ed. 1994 Mar;70(2):F141-6.

(49) Usher R, McLean F. Intrauterine growth of live-born Caucasian infants at sea level: Standards obtained from measurements in 7 dimensions of infants born between 25 and 44 weeks gestation. J Pediatr 1969;74(6):901-910.

(50) Gairdner D, Pearson J. A Growth Chart for Premature and Other Infants. Arch Dis Child 1971;46:783-787.

(51) Babson SG, Benda GI. Growth graphs for the clinical assessment of infants of varying gestational age. J Pediatr 1976;89:814-820.

(52) Lubchenco LO, Hansman C, Dressler M, Boyd E. Intrauterine Growth as Estimated from Liveborn Birth-Weight Data at 24 to 42 Weeks of Gestation. Pediatrics 1963 Nov;32:793-800.

(53) Brandt I. Growth dynamics of low-birth-weight infants. Acta Paediatr.Scand.Suppl. 1985;319:38-47.

(54) Fenton TR. A new growth chart for preterm babies: Babson and Benda's chart updated with recent data and a new format. BMC Pediatr. 2003 Dec 16;3:13.

(55) De Onis M, Garza C, Onyango AW, Martorell R. WHO Child Growth Standards. Acta Paediatrica 2006;95(Supplement 450).

(56) The National Centre for Health Statistics and The National Centre for Chronic Disease Prevention and Health Promotion. NCHS - 2000 CDC Growth Charts: United States. 2001; Available at: http://www.cdc.gov/growthcharts/. Accessed 08/08, 2008.

(57) Casey PH, Kraemer CH, Bernbaum J, Tyson JE. Growth patterns of low birth weight preterm infants: A longitudinal analysis of a large, varied sample. J Pediatr 1990;117(2):298-307.

(58) Casey PH, Kraemer CH, Bernbaum J, Yogman MW, Sells JC. Growth status and growth rates of a varied sample of low birth weight, preterm infants: A longitudinal cohort from birth to three years of age. J Pediatr 1991;119(4):599-605.

(59) Wariyar U, Tin W, Hey E. Gestational assessment assessed. Arch.Dis.Child.Fetal Neonatal Ed. 1997 Nov;77(3):F216-20.

(60) Ballard JL, Khoury JC, Wedig K, Wang L, Eilers-Walsman BL, Lipp R. New Ballard Score, expanded to include extremely premature infants. J.Pediatr. 1991 Sep;119(3):417-423.

(61) Sherry B, Mei Z, Grummer-Strawn L, Dietz WH. *Evaluation of and* Recommendations for Growth References for very low birth weight (<1500g) Infants in the United States. Pediatrics 2003;111(4):750-758.

(62) WHO. WHO Anthro for personal computers: Software for assessing growth and development of the world's children. 2007;2.

(63) Mseleku M, Smith TH, Guidozzi F. HIV seropositive in pregnant South African women who initially refuse routine antenatal HIV screening. BJOG 2005 Mar;112(3):370-371.

(64) Walsh MC, Kliegman RM. Necrotizing enterocolitis: treatment based on staging criteria. Pediatr.Clin.North Am. 1986 Feb;33(1):179-201.

(65) Papile LA, Burstein J, Burstein R, Koffler H. Incidence and evolution of subependymal and intraventricular hemorrhage: a study of infants with birth weights less than 1,500 gm. J.Pediatr. 1978 Apr;92(4):529-534.

(66) Allan WC, Volpe JJ. Periventricular-intraventricular hemorrhage. Pediatr.Clin.North Am. 1986 Feb;33(1):47-63.

(67) Bancalari E, Claure N. Definitions and diagnostic criteria for bronchopulmonary dysplasia. Semin.Perinatol. 2006 Aug;30(4):164-170.

(68) Bland RM, Rollins NC, Coutsoudis A, Coovadia HM, Child Health Group. Breastfeeding practices in an area of high HIV prevalence in rural South Africa. Acta Paediatr. 2002;91(6):704-711.

(69) Jinabhai CC, Taylor M, Sullivan KR. Implications of the prevalence of stunting, overweight and obesity amongst South African primary school children: a possible nutritional transition? Eur.J.Clin.Nutr. 2003 Feb;57(2):358-365.

(70) Bakaki P, Kayita J, Moura Machado JE, Coulter JB, Tindyebwa D, Ndugwa CM, et al. Epidemiologic and clinical features of HIV-infected and HIV-uninfected Ugandan children younger than 18 months. J.Acquir.Immune Defic.Syndr. 2001 Sep 1;28(1):35-42.

(71) Checkley W, Buckley G, Gilman RH, Assis AM, Guerrant RL, Morris SS, et al. Multi-country analysis of the effects of diarrhoea on childhood stunting. Int.J.Epidemiol. 2008 Aug;37(4):816-830.

(72) Engebretsen IM, Tylleskar T, Wamani H, Karamagi C, Tumwine JK. Determinants of infant growth in Eastern Uganda: a community-based cross-sectional study. BMC Public Health 2008 Dec 22;8:418.

(73) Faber M. Dietary intake and anthropometric status differ for anaemic and non-anaemic rural South African infants aged 6-12 months. J.Health Popul.Nutr. 2007 Sep;25(3):285-293.

(74) Seikaly MG, Salhab N, Gipson D, Yiu V, Stablein D. Stature in children with chronic kidney disease: analysis of NAPRTCS database. Pediatr.Nephrol. 2006 Jun;21(6):793-799.

(75) Semba RD, de Pee S, Sun K, Sari M, Akhter N, Bloem MW. Effect of parental formal education on risk of child stunting in Indonesia and Bangladesh: a cross-sectional study. Lancet 2008 Jan 26;371(9609):322-328.

(76) Gribble JN, Murray NJ, Menotti EP. Reconsidering childhood undernutrition: can birth spacing make a difference? An analysis of the 2002-2003 El Salvador National Family Health Survey. Matern.Child.Nutr. 2009 Jan;5(1):49-63.

(77) Beker LT, Russek-Cohen E, Fink RJ. Stature as a prognostic factor in cystic fibrosis survival. J.Am.Diet.Assoc. 2001 Apr;101(4):438-442.

(78) Pramod Singh GC, Nair M, Grubesic RB, Connell FA. Factors associated with underweight and stunting among children in rural Terai of eastern Nepal. Asia.Pac.J.Public.Health. 2009 Apr;21(2):144-152.

(79) Krug A, Patrick M, Pattinson RC, Stephen C. Childhood death auditing to improve paediatric care. Acta Paediatr. 2006 Nov;95(11):1467-1473.

(80) Soranzo N, Rivadeneira F, Chinappen-Horsley U, Malkina I, Richards JB, Hammond N, et al. Meta-analysis of genome-wide scans for human adult stature identifies novel Loci and associations with measures of skeletal frame size. PLoS Genet. 2009 Apr;5(4):e1000445.

(81) Diekmann M, Genzel-Boroviczeny O, Zoppelli L, von Poblotzki M. Postnatal growth curves for extremely low birth weight infants with early enteral nutrition. Eur.J.Pediatr. 2005 Dec;164(12):714-723.

(82) Kirsten GF, van Zyl JI, le Grange M, Ancker E, van Zyl F. The outcome at 12 months of very-low-birth-weight infants ventilated at Tygerberg Hospital. S.Afr.Med.J. 1995 Jul;85(7):649-654.

(83) Barker DJP. The Developmental Origins of Adult Disease. J Am Coll Nutr 2004;23(6):588S-595S.

(84) Bailey RC, Kamenga MC, Nsuami MJ, Nieburg P, St Louis ME. Growth of children according to maternal and child HIV, immunological and disease characteristics: a prospective cohort study in Kinshasa, Democratic Republic of Congo. Int.J.Epidemiol. 1999 Jun;28(3):532-540.

(85) Bulterys M, Chao A, Munyemana S, Kurawige JB, Nawrocki P, Habimana P, et al. Maternal human immunodeficiency virus 1 infection and intrauterine growth: a prospective cohort study in Butare, Rwanda. Pediatr.Infect.Dis.J. 1994 Feb;13(2):94-100.

(86) Taha TE, Dallabetta GA, Canner JK, Chiphangwi JD, Liomba G, Hoover DR, et al. The effect of human immunodeficiency virus infection on birthweight, and infant and child mortality in urban Malawi. Int.J.Epidemiol. 1995 Oct;24(5):1022-1029.

(87) Bobat R, Coovadia H, Moodley D, Coutsoudis A, Gouws E. Growth in early childhood in a cohort of children born to HIV-1-infected women from Durban, South Africa. Ann.Trop.Paediatr. 2001 Sep;21(3):203-210.

(88) Lepage P, Msellati P, Hitimana DG, Bazubagira A, Van Goethem C, Simonon A, et al. Growth of human immunodeficiency type 1-infected and uninfected children: a prospective cohort study in Kigali, Rwanda, 1988 to 1993. Pediatr.Infect.Dis.J. 1996 Jun;15(6):479-485.

(89) Newell ML, Borja MC, Peckham C, European Collaborative Study. Height, weight, and growth in children born to mothers with HIV-1 infection in Europe. Pediatrics 2003 Jan;111(1):e52-60.