

## RESEARCH REPORT: HUMAN NUTRITION 2017

### Journal Articles (subsidised)

1. BEKKER F, MARAIS ML, KOEN N. The provision of healthy food in a school tuck shop: does it influence primary-school students' perceptions, attitudes and behaviours health eating?. *PUBLIC HEALTH NUTRITION* 2017; **20**(7):1257-1266.
2. BLAAUW R, DU TOIT AL. Case Study: Enteral formula: Selecting the right formula for your patient. *South African Journal of Clinical Nutrition* 2017; **30**(2):39-45.
3. CERONIO V, MBHENYANE XG. Dietary Management Practices for Diabetes by Dietitians in Public Hospitals in Limpopo Province, South Africa. *Journal of Nutrition and Health* 2017; **3**(1):1-6.
4. DELISLE H, SHRIMPTON R, BLANEY S, DU PLESSIS LM, ATWOOD S, SANDERS D, MARGETTS B. Capacity-building for a strong public health nutrition workforce in low-resource countries. *BULLETIN OF THE WORLD HEALTH ORGANIZATION* 2017; **95**:385-388.
5. DONOGHUE VF, SPRUYT MGL, BLAAUW R. Use of Intravenous Fat Emulsions in Adult Critically Ill Patients: Does omega 3 make a difference?. *South African Journal of Clinical Nutrition* 2017; **30**(3):38-48.
6. DU PLESSIS LM, KOORNHOF HE, MARAIS ML, BLAAUW R. Implementation of the Road-to-Health-Booklet health promotion messages at primary health care facilities, Western Cape Province, South Africa. *South African Journal of Child Health* 2017; **11**(4):164-169.
7. GRAY C, VAN NIEKERK E. Breastfeeding and Allergies. *Current Allergy and Clinical Immunology* 2017; **30**(3):142-149.
8. HARRIS J, DRIMIE SE, ROOPNARAIN T, COVIC N. From coherence towards commitment: Changes and challenges in Zambia's nutrition policy environment. *Global Food Security-Agriculture Policy Economics and Environment* 2017; **13**(13):49-56.
9. MALONGANE F, MBHENYANE XG. Nutritional status of children on the National School Nutrition Programme in Capricorn District, Limpopo Province, South Africa. *South African Journal of Child Health* 2017; **11**(1):11-12.
10. MARAIS ML, SMIT Y, KOEN N, LOTZE E. Are the attitudes and practices of foodservice managers, catering personnel and students contributing to excessive food wastage at Stellenbosch University?. *South African Journal of Clinical Nutrition* 2017; **1**(1):1-8.
11. MBHATSANI HV, MBHENYANE XG, MABAPA NS. Development and Implementation of Nutrition Education on Dietary diversification for Primary School Children. *ECOLOGY OF FOOD AND NUTRITION* 2017; **56**(6):449-461.
12. MBHENYANE XG, CHERANE M. Compliance with the consumption of iron and folate supplements by pregnant women in Mafikeng local municipality, North West province, South Africa. *African Health Sciences* 2017; **17**(3):657-670.
13. MBHENYANE XG, SEANEGO AM, AMEY AKA, MABAPA NS, MUSHAPHI LF, MBHATSANI HV, MANDIWANA TC. Dietary patterns and BMI status of adult women in greater Letaba municipality, South Africa. *JOURNAL OF CONSUMER AFFAIRS* 2017; **2**:18-45.
14. MBHENYANE XG. Editorial: Indigenous Foods and Their Contribution to Nutrient Requirements. *South African Journal of Clinical Nutrition* 2017; **30**(4):5-7.
15. M'KAIBI FK, STEYN NP, OCHOLA S, DU PLESSIS LM. The relationship between agricultural biodiversity, dietary diversity, household food security, and stunting of children in rural Kenya. *Food Science and Nutrition* 2017; **5**(2):243-254.
16. MUSHAPHI LF, DANNHAUSER A, WALSH CM, MBHENYANE XG, VAN ROOYEN FC. The impact of a nutrition education programme on feeding practices of caregivers with

- children aged 3 to 5 years in rural Limpopo Province, South Africa. *South African Journal of Clinical Nutrition* 2017; **1**(1):1-8.
17. PHILIPS LA, VISSER J, NEL DG, BLAAUW R. The association between tuberculosis and the development of insulin resistance in adults with pulmonary tuberculosis in the Western sub-district of the Cape Metropole region, South Africa: a combined cross-sectional, cohort study. *BMC INFECTIOUS DISEASES* 2017; **17**:1-12.
  18. SMIT Y, KASSIER S, KOEN N. The barriers that women face when choosing food for their primary school children: A case study in the Western Cape Province, South Africa. *South African Journal of Child Health* 2017; **11**(3):129-134.
  19. VAN STUIJVENBERG ME, SCHOEMAN SE, NEL J, LOMBARD CJ, DHANSAY MA. Serum retinol in post-partum mothers and newborns from an impoverished South African community where liver is frequently eaten and vitamin A deficiency is absent. *Maternal and Child Nutrition* 2017; **13**:10.1111/mcn.12223.

### OVER TO 2018 OUTPUTS

1. BLAAUW R, DU TOIT A, BOUTALL A. Opinions of South African dietitians on fistuloclysis as a treatment option for intestinal failure patients. *South African Journal of Clinical Nutrition* 2017; **1**(1):1-6.
2. FOUCHÉ C, VAN NIEKERK E, DU PLESSIS LM. Anthropometric Parameters of HIV-Infected and HIV-Uninfected Mothers and their Premature Infants. *JOURNAL OF TROPICAL PEDIATRICS* 2017; **0**(1):1-7.
3. KOEN N, PHILIPS LA, SMIT Y, VAN NIEKERK E, NEL DG, VISSER KJ. Staff and student health and wellness at the Faculty of Medicine and Health Sciences, Stellenbosch University: current status and needs assessment. *South African Family Practice* 2018; **1**(1):1-7.
4. STRYDOM K, VAN NIEKERK E, DHANSAY MA. Factors affecting body composition in preterm infants: Assessment techniques and nutritional interventions. *Pediatrics and Neonatology* 2017; **1**:1-8.

PG Degrees Completed
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### Doctoral completed

1. KOEN N. *The influence of nutrition labelling and logos on purchasing behaviour in Cape Town, Western Cape, South Africa*. PhD (Nutritional Sciences), 2017. 320 pp. Promotor: Blaauw R. Co-promotor: Wentzel-Viljoen E.

## Masters completed

1. BRADFIELD ML. *The Knowledge, Perceptions and Practices of Healthcare Professionals Regarding Enteral Feeding of Premature and Low Birth Weight Infants in South Africa*. M Nutrition, 2017. 101 pp. Supervisor: Van Niekerk E. Co-supervisor: Du Preez JCF.
2. JAFFER N. *Comparison of Dietary Intake and Nutritional Status of the Urban Black Population in the Cape Peninsula in 1990 with 2008/2009*. M Nutrition, 2017. 156 pp. Supervisor: Steyn NP. Co-supervisor: Herselman MG, Peer N.
3. JONKER K. *Determining the knowledge, attitudes, beliefs and practices of the adult consumer in the City of Cape Town, Western Cape, South Africa regarding the inclusion of genetically modified foods in the diet*. M Nutrition, 2017. 188 pp. Supervisor: Koen N. Co-supervisor: Kluyts M.
4. KOTLOWITZ JR. *Assessment of the implementation of the pre-operative fasting ERAS guidelines in elective colo-rectal surgery patients in an academic tertiary hospital in South Africa: a cross sectional survey*. M Nutrition, 2017. 161 pp. Supervisor: Visser J. Co-supervisors: Kriel J, Ahmed N.
5. KOTZE V. *A Description of Dyslipidaemia and Selected Risk Factors for Cardiovascular Disease in Patients Attending Port Elizabeth Hospital Complex*. M Nutrition, 2017. 131 pp. Supervisor: Herselman MG. Co-supervisor: Van Tonder E.
6. KRIEL J. *Preoperative Oral Carbohydrate Administration to Prevent Postoperative Complications in Adults: A Systematic Review of the Evidence*. M Nutrition, 2017. 287 pp. Supervisor: Visser J. Co-supervisor: Blaauw R.
7. MBOGO AM. *Severe Acute malnutrition: The Effect of Caregivers' Knowledge on Default Rates at Dadaab Refugee Camps, Kenya*. M Nutrition, 2017. 141 pp. Supervisor: Van Niekerk E. Co-supervisor: Schübl C, Ogada I.
8. MÖLLER I. *Field testing of the revised Paediatric Food-Based Dietary guidelines amongst SiSwati speaking mothers/ caregivers of children aged 0-36 months in Kabokweni, Mpumalanga, South Africa*. M Nutrition, 2017. 131 pp. Supervisor: Du Plessis LM. Co-supervisor: Daniels LC.
9. RAMUADA LG. *Assessment of knowledge, attitude and practices of nurses regarding Enteral Nutrition at a Military hospital*. M Nutrition, 2017. 126 pp. Supervisor: Blaauw R. Co-supervisor: Veldsman L.
10. REEDING RA. *The nutrient intakes and feeding prescriptions of low birth weight infants at Chris Hani Baragwanath academic hospital*. M Nutrition, 2017. 130 pp. Supervisor: Van Niekerk E. Co-supervisor: Kemp H.
11. VERMAAK RT. *Vitamin D Status Among Surgical Orthopaedic Patients In A Private Hospital In Johannesburg, South Africa*. M Nutrition, 2017. 152 pp. Supervisor: Blaauw R. Co-supervisor: Visser J.

### Poster presentations (national & international)

1. Blaauw R, Achar E, Dolman R, Harbron J, Moens M, Munyi F, Nel DG, Nyatefe D, Visser J. Hospital malnutrition on the African continent: We have a problem. 39th ESPEN Congress, 9-12 September 2017, The Hague, Netherlands.
2. Du Plessis LM, McLachlan MH, Drimie SE. Exploring stakeholder commitment and capacity to address infant and young child nutrition in the capital of the Breede Valley, Western Cape Province, South Africa Nutrition and Nurture in Infancy and Childhood: Bio-Cultural Perspectives, 12-14 June 2017, Grange Over Sands, Cumbria, UK.

3. Ezekannagha O, Mbhenyane XG, Drimie S, Maziya-Dixon B. Development of a roadmap for mainstreaming contextual nutrition-sensitive interventions at Kebbi and Anambra states, Nigeria. IUNS 21st ICN International Congress of Nutrition, Buenos Aires, 15th to 20th October, 2017.
4. Fouché C, du Plessis L, van Niekerk E. Differences in Breastmilk Composition of HIV-Infected and HIV-uninfected mothers of Premature Infants: Effects of Anti-Retroviral Therapy. USANA 2017. Johannesburg South Africa.
5. Kotlowitz J, Visser J, Kriel J, Ahmed N. Assessment of the Implementation of the peri-operative nutrition ERAS guidelines in elective colorectal surgery patients in tertiary hospital in South Africa. 39th ESPEN Congress, 9-12 September 2017, The Hague, Netherlands.
6. Mbhenyane XG, Mandiwana T, Mushaphi LF, Mbhatsani V, Mabapa S, Motadi S, Mabasa E, Masia T. The Influence of Breastfeeding Hospital Initiative on Nutrition Knowledge of Mothers and Feeding Practices of Children in Limpopo Province, South Africa. IUNS 21st ICN International Congress of Nutrition, Buenos Aires, 15th to 20th October, 2017.
7. Smit Y, Koen N, Kassier SM. Employment status of mothers: A barrier to healthy choices for children? SAAFOST congress 2017. 3-6 September 2017, Century City Convention Centre, Century City, Cape Town, South Africa.
8. Smit Y, Kassier S, Nel DG, Koen N. Employment status of mothers: A barrier to healthy food choices for children? SAAFOST 22nd Biennial International Congress and Exhibition Cape Town 4 – 7 September 2017.
9. Smit Y, Marais ML, Joubert E, Donald H. Dietetic students train hearing impaired students: experiences and perceptions of both groups. 7th International Symposium on Service-Learning (ISSL); National University of Ireland, Galway, Ireland; Service-Learning as a Response to Global Transitions in Higher Education: Opportunities for Transforming Higher Education and Advancing Social Impact. Date: 14 – 16 June, 2017.

<p>Oral Presentations (national &amp; international)</p>
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1. Koen N, Blaauw R, Wentze-Viljoen E. A single health endorsement logo for South Africa. 61<sup>st</sup> Annual Academic Year Day. Faculty of Medicine and Health Sciences. 30 August 2017.
2. Koen N, Blaauw R, Wentze-Viljoen E. A single health endorsement logo for South Africa. SAAFOST congress 2017. 3-6 September 2017, Century City Convention Centre, Century City, Cape Town, South Africa.
3. Mbhenyane XG, Mandiwana T, Mushaphi LF, Mbhatsani V, Mabapa S, Motadi S, Mabasa E, Masia T. Breastfeeding Hospital Initiative, Nutrition Knowledge of Mothers and Feeding Practices of Children in Limpopo Province, South Africa. PHASA Conference 4 – 6 September 2017, Sandton, South Africa.
4. Rouillard S, Muller D, Blaauw R, Daniels LC, Du Plessis LM, Smit Y, Van Niekerk E and the BSc Dietetics IV class of 2017. Nutrition, Physical Activity and obesogenic behaviours of adolescents. 61<sup>st</sup> Annual Academic Year Day. Faculty of Medicine and Health Sciences. 30 August 2017.
5. Smit Y, Marais ML, Joubert E, Donald H. Dietetic students train hearing impaired students: experiences and perceptions of both groups. 7th International Symposium on Service-Learning (ISSL); National University of Ireland, Galway, Ireland; Service-Learning as a Response to Global Transitions in Higher Education: Opportunities for Transforming Higher Education and Advancing Social Impact. Date: 14 – 16 June, 2017.

Published abstracts (national & international)

1. Blaauw R, Achar E, Dolman R, Harbron J, Moens M, Munyi F, Nel DG, Nyatefe D, Visser J. Hospital malnutrition on the African continent: We have a problem. *Clinical Nutrition* 2017; 36(1): S251-S252.
2. Kotlowitz J, Visser J, Kriel J, Ahmed N. Assessment of the Implementation of the peri-operative nutrition ERAS guidelines in elective colorectal surgery patients in tertiary hospital in South Africa. *Clinical Nutrition* 2017; 36(1): S154.

Other Outputs (editorials, non-accredited journals, reports and popular works)

1. Marais ML. Malnutrition in elderly: underestimated, underdiagnosed and undertreated. Guest Editorial. *SAJCN* 2017; 30 (2): 4-6.
2. Mbhenyane XG, Labuschagne I. Stellenbosch University, *The Conversation*, December 3, 2017, South Africa's twin malnutrition challenges: hunger and obesity. <http://theconversation.com/south-africas-twin-malnutrition-challenges-hunger-and-obesity-87270>.
3. Mbhenyane XG, Labuschagne I. Stellenbosch University, *Food Processing Africa*, June/July 2017. Inclusive growth is the key to African food security. [www.foodprocessingAfrica.com](http://www.foodprocessingAfrica.com).