[15] *Department of Chemical Pathology, Royal North Shore Hospital, NSW Health Pathology, St Leonards, New South Wales, Australia*
[16] *Sydney Medical School (Nepean), Kingswood, New South Wales, Australia*
[17] *Nepean Family Obesity Services, Nepean Blue Mountains Local Health District, Kingswood, New South Wales, Australia*
[18] *Department of Diabetes and Endocrinology, The Princess Alexandra Hospital, Brisbane, Queensland, Australia*
[19] *Centre for Health Stewardship, The Australian National University, Canberra, Australian Capital Territory, Australia*
[20] *Chronic Disease Management Unit, Australian Capital Territory Health Directorate, Canberra, Australian Capital Territory, Australia*
[21] *Baker Heart and Diabetes Institute, Melbourne, Victoria, Australia*
[22] *Iverson Health Innovation Research Institute, Swinburne University of Technology, Hawthorn, Victoria, Australia*

We aimed to describe the current state of specialist obesity services for adults with clinically severe obesity in public hospitals in Australia, and to analyse the gap in resources based on expert consensus. We conducted two surveys to collect information about current and required specialist obesity services and resources using open-ended questionnaires. Organisational level data was sought from clinician expert representatives of specialist obesity services across Australia in 2017. Fifteen of 16 representatives of current services in New South Wales ($n = 8$), Queensland ($n = 1$), Victoria ($n = 2$), South Australia ($n = 3$), and the Australian Capital Territory ($n = 1$) provided data. The composition of services varied substantially between hospitals, and patient access to services and effective treatments were limited by strict entry criteria (e.g. BMI 40 kg/m$^2$ or higher with specific complication/s), prolonged wait times, geographical location (major cities only), and out-of-pocket costs. Of these services, 47% had a multidisciplinary team (MDT), 53% had an exercise physiologist/physiotherapist, 53% had a bariatric surgeon, and 33% had pharmacotherapy resources. Key gaps included staffing components of the MDT (psychologist, exercise physiologist/physiotherapist) and access to publicly funded weight loss pharmacotherapy and bariatric surgery. There was consensus on the need for significant improvements in staff, physical infrastructure, access to services, education/training in obesity medicine, and targeted research funding. Based on the small number of existing, often under-resourced specialist obesity services that are located only in a few major cities, the vast majority of Australians with clinically severe obesity cannot access the specialist evidence based treatments needed.

https://doi.org/10.1016/j.orcp.2018.11.190

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## Breaking the silence: the critical role of the GP and practice nurse in talking to patients about their weight

Alice Bastable*, Alison McAleese

*Cancer Council Victoria, Melbourne, Victoria, Australia*

**Background:** General Practitioners and Practice Nurses are well positioned to play a vital role in addressing Australia's obesity epidemic. However, many report low confidence when discussing or advising patients about weight management.

Training sessions that *LiveLighter* offers to GP's and Practice Nurses entitled "Talking to Patients about Weight" were evaluated. *LiveLighter* also examined perceptions of those who are overweight or obese about discussing their weight with health professionals.

Key findings from the survey and feedback from training are discussed.

**Methods:** Evaluation from *LiveLighter* one day face-to-face training sessions to GP's and Practice Nurses was analysed over a twelve month period. *LiveLighter* commissioned the Heart Foundation to conduct an online survey on 2,012 Australian adults aged 25–49 years.

**Results:** Doctors (34%) were the second most important source of information about weight and diet. Most people (77%) reported they felt either very comfortable or comfortable about speaking to a health professional about their weight.

Only 30% of survey participants report being advised by a health professional that they are overweight or should lose weight. Of those advised to lose weight 86% people acted on it.

Of the professionals who attended the *LiveLighter* training sessions 98% found it relevant to their work. Valued aspects of training were; Motivational Interviewing, The 5A's framework and *LiveLighter* resources and tools. Barriers to incorporating the training into their routine were lack of time and the need for practice.

**Conclusion:** This survey demonstrated the majority of respondents felt comfortable talking to a health professional about their weight and were highly likely to act on it if advised. GP's and Practice Nurses report low confidence when talking to patients about their weight. Training for GP's and Practice Nurses can improve confidence in this area.

Shape of Australia Report 2017, Prepared by the National Heart Foundation for LiveLighter.

https://doi.org/10.1016/j.orcp.2018.11.191

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## Assessing for obstructive sleep apnoea in a severely obese population in the ACT

Louise Brightman[1,*], Hsin-Chia Carol Huang[1,2]

[1] *Obesity Management Service, ACT Health, Canberra, ACT, Australia*
[2] *Respiratory and Sleep Medicine Department, The Canberra Hospital, Canberra, ACT, Australia*

**Background:** Obesity is the main driver for Obstructive Sleep Apnoea (OSA), with the incidence of OSA in severely obese patients reported to be as high as 78% [1]. OSA can negatively impact health therefore timely diagnosis and appropriate management are crucial. The ACT Health Obesity Management Service (OMS) routinely assess for sleep-related symptoms and refer for polysomnography (PSG) when medically indicated. This study quantifies PSG referrals and new OSA diagnoses, reviews Epworth Sleepiness Scale (ESS) scores and compares with previous OMS data [2].

**Methodology:** A retrospective chart audit was performed on new patients who attended OMS from July 2016 to June 2017. Pre-existing OMS patients were excluded. Demographic and anthropometric data were collated along with PSG referrals and OSA diagnoses. Periodic ESS scores were reviewed and descriptive analyses were performed.

**Results:** Of 162 patients, 43 (26.5%) had pre-existing OSA. 60 patients (37.0%) were referred for PSG based on clinical suspicion. 7/60 (11.7%) declined PSG. 46/60 (77.0%) were diagnosed with OSA (13 = mild, 15 = moderate, 18 = severe). Concomitant Obesity