IU Health Methodist Hospitalists Conference: Disparities in Obesity Care

Presenter: Kavitha Subramoney MD,FACP,SHM,CHCQM,Dip ABOM

**References**

**11.24.20**

* Rebecca Kanter, Benjamin Caballero, Global Gender Disparities in Obesity: A Review, *Advances in Nutrition*, Volume 3, Issue 4, July 2012, Pages 491-498, [https://doi.org/10.3945/an.112.002063](about:blank)
* Myers, C.A., Slack, T., Martin, C.K., Broyles, S.T. and Heymsfield, S.B. (2015), Regional disparities in obesity prevalence in the United States: A spatial regime analysis. Obesity, 23: 481-487. <https://doi.org/10.1002/oby.20963>
* Cahnman WJ. The stigma of obesity. Sociol Q 1968; 9:283–299
* Molly Durkin. Doctor your weight bias is showing. ACP internist. Feb 2017
* Puhl RM, Heuer CA. Obesity stigma: important considerations for public health. *Am J Public Health*. 2010;100(6):1019-1028. doi:10.2105/AJPH.2009.159491
* Ferrante JM, Piasecki AK, Ohman‐Strickland PA, Crabtree BF. Family physicians' practices and attitudes regarding care of extremely obese patients. *Obesity (Silver Spring)* 2009; **17**: 1710‐ 1716.09; **17**: 1710‐ 1716.
* Bocquier A, Verger P, Basdevant A *et al.* Overweight and obesity: knowledge, attitudes, and practices of general practitioners in France. *Obes Res* 2005; **13**: 787– 795.
* Rebecca M. Puhl and Chelsea A. Heuer, 2010: [**Obesity Stigma: Important Considerations for Public Health**](about:blank). American Journal of Public Health **100**, 1019\_1028,
* Gudzune KA, Beach MC, Roter DL, Cooper LA. Physicians build less rapport with obese patients. Obesity (Silver Spring) 2013;21:2146–2152.
* Zolnierek KB, Dimatteo MR. Physician communication and patient adherence to treatment: a meta-analysis. Med Care. 2009;47:826–834.
* Huizinga MM, Bleich SN, Beach MC, Clark JM, Cooper LA. Disparity in physician perception of patients' adherence to medications by obesity status. Obesity (Silver Spring) 2010;18:1932–1937.
* Hebl MR, Xu J. Weighing the care: physicians' reactions to the size of a patient. Int J Obes Relat Metab Disord. 2001;25:1246–1252.
* Muennig P. The body politic: the relationship between stigma and obesity-associated disease. BMC Public Health. 2008;8:128
* Phelan SM, Burgess DJ, Yeazel MW, Hellerstedt WL, Griffin JM, van Ryn M. Impact of weight bias and stigma on quality of care and outcomes for patients with obesity. *Obes Rev*. 2015;16(4):319-326. doi:10.1111/obr.12266
* Reisin E, Weir MR, Falkner B, Hutchinson HG, Anzalone DA, Tuck ML. Lisinopril versus hydrochlorothiazide in obese hypertensive patients: a multicenter placebo-controlled trial. Treatment in Obese Patients With Hypertension (TROPHY) Study Group. Hypertension. 1997 Jul;30(1 Pt 1):140-5. doi: 10.1161/01.hyp.30.1.140. PMID: 9231834.
* Barriers to the Treatment of Obesity. Annals of Internal Medicine 1991;115:152-153.
* Jeffrey F. Barletta, Jaculin L. DeYoung et al. Limitations of a standardized weight-based nomogram for heparin dosing in patients with morbid obesity,Surgery for Obesity and Related Diseases,Volume 4, Issue 6,2008,Pages 748-753,
* Stephan A. Schug, Alexander Raymann. Postoperative pain management of the obese patient,Best Practice & Research Clinical Anaesthesiology, Volume 25, Issue 1,2011,Pages 73-81,
* Humphreys S. The unethical use of BMI in contemporary general practice. *Br J Gen Pract*. 2010;60(578):696-697. doi:10.3399/bjgp10X515548
* De Santo LS, Moscariello C, Zebele C. Implications of obesity in cardiac surgery: pattern of referral, physiopathology, complications, prognosis. *J Thorac Dis*. 2018;10(7):4532-4539. doi:10.21037/jtd.2018.06.104
* Uche Ezeh, Bulent O. Yildiz, Ricardo Azziz, Referral Bias in Defining the Phenotype and Prevalence of Obesity in Polycystic Ovary Syndrome, *The Journal of Clinical Endocrinology & Metabolism*, Volume 98, Issue 6, 1 June 2013, Pages E1088–E1096,
* Cohen, S.S., Palmieri, R.T., Nyante, S.J., Koralek, D.O., Kim, S., Bradshaw, P. and Olshan, A.F. (2008), A review. Cancer, 112: 1892-1904. [https://doi.org/10.1002/cncr.23408](about:blank)
* Ellen P. McCarthy, Roger B. Davis, Russell S. Phillips, et al. [Screening for Cervical and Breast Cancer: Is Obesity an Unrecognized Barrier to Preventive Care?](about:blank). Annals of Internal Medicine 2000;132:697-704. [Epub ahead of print 2 May 2000]. doi:[https://doi.org/10.7326/0003-4819-132-9-200005020-00003](about:blank)
* Olson CL,Schumaker HD,Yawn BP. Overweight women delay medical care. *Arch Fam Med.* 1994; **3**: 888– 892.
* Georgia Rigas, Kathryn Williams, Priya Sumithran, Wendy A. Brown, Jessica Swinbourne, Katrina Purcell, Ian D. Caterson. Delays in healthcare consultations about obesity — Barriers and implications,Obesity Research & Clinical Practice,Volume 14, Issue 5,2020,Pages 487-490,
* Sheri Polley. The Obesity problem in US Hospitals. The Hospitalist. August 2006(8).
* Silk AW, McTigue KM. Reexamining the Physical Examination for Obese Patients. *JAMA.* 2011;305(2):193–194. doi:10.1001/jama.2010.1950
* MARTINHO, F.L. et al. Systematic head and neck physical examination as a predictor of obstructive sleep apnea in class III obese patients.*Braz J Med Biol Res* [online]. 2008, vol.41, n.12 [cited  2020-11-20], pp.1093-1097.
* Mezhov, V., Ciccutini, F.M., Hanna, F.S., Brennan, S.L., Wang, Y.Y., Urquhart, D.M. and Wluka, A.E. (2014), Obesity and cartilage. Obes Rev, 15: 143-157. [https://doi.org/10.1111/obr.12110](about:blank)
* Raul N Uppot et al. American Journal of Roentgenology 2007 188:2, 433-440
* Foil, M.B., Collier, M.S., MacDonald, K.G. *et al.* Availability and Adequacy of Diagnostic and Therapeutic Equipment for the Morbidly Obese Patient in an Acute Care Setting. *OBES SURG* **3,**153–156 (1993).
* BARR, JOAN MSN, CNS, RN; CUNNEEN, JANE MSN, RN, CCRN Understanding the Bariatric Client and Providing a Safe Hospital Environment, Clinical Nurse Specialist: September 2001 - Volume 15 - Issue 5 - p 219-223
* Rose, Mary Ann RN, EdD; Drake, Daniel J CBN, MSN; Baker, Gloria RN, MSN; Watkins, Frank R. Jr. RN, BSN; Waters, Wanda RN; Pokorny, Marie RN, PhD Caring for morbidly obese patients: Safety considerations for nurse administrators, Nursing Management (Springhouse): November 2008 - Volume 39 - Issue 11 - p 47-50 doi: 10.1097/01.NUMA.0000340819.13647.6d
* Wiggermann N, Smith K, Kumpar D. What Bed Size Does a Patient Need? The Relationship Between Body Mass Index and Space Required to Turn in Bed. *Nurs Res*. 2017;66(6):483-489. doi:10.1097/NNR.0000000000000242
* Fusco KL, Robertson HC, Galindo H, Hakendorf PH, Thompson CH. Clinical outcomes for the obese hospital inpatient: An observational study. *SAGE Open Med*. 2017;5:2050312117700065. Published 2017 Mar 23. doi:10.1177/2050312117700065
* Powell‐Wiley, T.M., Ayers, C.R., Banks‐Richard, K., Berry, J.D., Khera, A., Lakoski, S.G., McGuire, D.K., de Lemos, J.A. and Das, S.R. (2012), Disparities in Counseling for Lifestyle Modification Among Obese Adults: Insights from the Dallas Heart Study. Obesity, 20: 849-855.
* Sandeep R. Das et al. Impact of Body Weight and Extreme Obesity on the Presentation, Treatment, and In-Hospital Outcomes of 50,149 Patients With ST-Segment Elevation Myocardial Infarction: Results From the NCDR (National Cardiovascular Data Registry),Journal of the American College of Cardiology,Volume 58, Issue 25,2011,Pages 2642-2650,
* Ramachandran K, McCusker C, Connors M, ZuWallack R, Lahiri B. The influence of obesity on pulmonary rehabilitation outcomes in patients with COPD. *Chronic Respiratory Disease*. November 2008:205-209. doi:[10.1177/1479972308096711](about:blank)
* Smita Pakhale, Steve Doucette, Katherine Vandemheen et al. A Comparison of Obese and Nonobese People With Asthma: Exploring an Asthma-Obesity Interaction,Chest,Volume 137, Issue 6,2010,Pages 1316-1323
* Schetz, M., De Jong, A., Deane, A.M. *et al.* Obesity in the critically ill: a narrative review. *Intensive Care Med* **45,**757–769 (2019). [https://doi.org/10.1007/s00134-019-05594-1](about:blank)
* Chere Adams, Calvin Tucker, Bryan Allen, Andrew McRae, Julia Balazh, Spencer Horst, Donald Johnson, Jason Ferreira. Disparities in hemodynamic resuscitation of the obese critically ill septic shock patient,Journal of Critical Care,Volume 37,2017,Pages 219-223,
* O’Brien, James M. Jr MD, MSc; Philips, Gary S. MAS; Ali, Naeem A. MD; Aberegg, Scott K. MD, MPH; Marsh, Clay B. MD; Lemeshow, Stanley PhD The association between body mass index, processes of care, and outcomes from mechanical ventilation, Critical Care Medicine: May 2012 - Volume 40 - Issue 5 - p 1456-1463 doi: 10.1097/CCM.0b013e31823e9a80
* Griggs JJ, Sorbero MES, Lyman GH. Undertreatment of Obese Women Receiving Breast Cancer Chemotherapy. *Arch Intern Med.* 2005;165(11):1267–1273. doi:10.1001/archinte.165.11.1267
* Paul Peter Rosen, Philip Rhodes, Martin L. Lesser, et al.Obesity at Diagnosis of Breast cancer influences duration of disease free survival.   Annals of Internal Medicine 1992;116:26-32.
* Madarnas, Y., Sawka, C.A., Franssen, E. *et al.* Are medical oncologists biased in their treatment of the large woman with breast cancer?. *Breast Cancer Res Treat* **66,**123–133 (2001).
* Lyman, G., Sparreboom, A. Chemotherapy dosing in overweight and obese patients with cancer. *Nat Rev Clin Oncol* **10,**451–459 (2013).
* Lassalle M, Fezeu LK, Couchoud C, Hannedouche T, Massy ZA, Czernichow S (2017) Obesity and access to kidney transplantation in patients starting dialysis: A prospective cohort study. PLoS ONE 12(5): e0176616.
* Lentine K, L, Delos Santos R, Axelrod D, Schnitzler M, A, Brennan D, C, Tuttle-Newhall J, E: Obesity and Kidney Transplant Candidates: How Big Is Too Big for Transplantation? Am J Nephrol 2012;36:575-586. doi: 10.1159/000345476
* Samson, A.J., Mercer, G.E. and Campbell, D.G. (2010), Total knee replacement in the morbidly obese: a literature review. ANZ Journal of Surgery, 80: 595-599.
* Patricia S. Choban, Louis Flancbaum. The Impact of Obesity on Surgical Outcomes: A Review. J AM COLL SURG DECEMBER 1997 VOLUME 185:593–603
* Adrianna C Panayi et al. Impact of Obesity on Outcomes in Breast Reconstruction: A Systematic Review and Meta-Analysis. Journal of Reconstructive Microsurgery. Jan 1, 2018
* Burke DT, Bell RB, Burke DP. The Surprising Effect of Body Mass Index on Elective Orthopedic Surgeries. J Int Soc Phys Rehabil Med 2019;2:50-3
* Robert A. Carels, Ph.D., Kathleen M. Young, M.A., Carissa B. Wott, M.A., Jessica Harper, M.A., Amanda Gumble, B.A., Marissa Wagner Oehlof, M.A., Anna Marie Clayton, M.A., Weight Bias and Weight Loss Treatment Outcomes in Treatment-Seeking Adults, *Annals of Behavioral Medicine*, Volume 37, Issue 3, June 2009, Pages 350–355,
* Friedman, K.E., Reichmann, S.K., Costanzo, P.R., Zelli, A., Ashmore, J.A. and Musante, G.J. (2005), Weight Stigmatization and Ideological Beliefs: Relation to Psychological Functioning in Obese Adults. Obesity Research, 13: 907-916.
* Stacey butterfield. Obesity and malnutrition are not mutually exclusive. ACP hospitalist. Feb 2015
* Barazzoni, R., Gortan Cappellari, G. Double burden of malnutrition in persons with obesity. *Rev Endocr Metab Disord* **21,**307–313 (2020). [https://doi.org/10.1007/s11154-020-09578-1](about:blank)
* Donini LM, Busetto L, Bauer JM, Bischoff S, Boirie Y, Cederholm T, et al. Critical appraisal of definitions and diagnostic criteria for sarcopenic obesity based on a systematic review. Clin Nutr. 2019. [https://doi.org/10.1016/j.clnu.2019.11.024](about:blank)
* Panza, G. A., Armstrong, L. E., Taylor, B. A., Puhl, R. M., Livingston, J., and Pescatello, L. S. (2018) Weight bias among exercise and nutrition professionals: a systematic review. *Obesity Reviews*, 19: 1492– 1503. [https://doi.org/10.1111/obr.12743](about:blank).
* Wiklund, M., Olsén, M.F. and Willén, C. (2011), Physical activity as viewed by adults with severe obesity, awaiting gastric bypass surgery. Physiother. Res. Int., 16: 179-186. [https://doi.org/10.1002/pri.497](about:blank)
* Robinson J, Swift-Scanlan T, Salyer J. Obesity and 1-Year Mortality in Adults After Sepsis: A Systematic Review. *Biological Research For Nursing*. 2020;22(1):103-113.
* Wang, S., Liu, X., Chen, Q. *et al.* The role of increased body mass index in outcomes of sepsis: a systematic review and meta-analysis. *BMC Anesthesiol* **17,**118 (2017).
* Srivastava, G., Johnson, E.D., Earle, R.L., Kadambi, N., Pazin, D.E. and Kaplan, L.M. (2018), Underdocumentation of Obesity by Medical Residents Highlights Challenges to Effective Obesity Care. Obesity, 26: 1277-1284.
* Phelan SM, Burgess DJ, Yeazel MW, Hellerstedt WL, Griffin JM, van Ryn M. Impact of weight bias and stigma on quality of care and outcomes for patients with obesity. *Obes Rev*. 2015;16(4):319-326. doi:10.1111/obr.12266
* Puhl R, Brownell K. Psychosocial origins of obesity stigma: toward changing a powerful and pervasive bias. Obes Rev. 2003;4:213–227.
* Danielsdottir S, O'Brien KS, Ciao A. Anti-fat prejudice reduction: a review of published studies. Obes Facts. 2010;3:47–58.
* O'Brien KS, Puhl RM, Latner JD, Mir AS, Hunter JA. Reducing anti-fat prejudice in preservice health students: a randomized trial. Obesity (Silver Spring) 2010;18:2138–2144.