

Background

Rationale:

- Hidradenitis suppurativa (HS) is a chronic inflammatory skin condition that affects 1-4% of the population¹
- Prior research has shown association between obesity and HS^{2,3}
- Emerging evidence indicates an association between food insecurity and obesity^{2,3}
- While previous research has raised importance of exploring social determinants of health in HS, little exploration has been done to assess which factors are important to consider^{2,4}

Objective:

- This study's aim was to investigate the association between HS and food insecurity, while adjusting for potential confounders of sex, race, and age

Methods (cont.)

- Final sample included 127 individuals with HS and 52842 non-HS controls in the same database for whom demographic information was available on sex, race, and age and who completed the Children's HealthWatch Hunger Vital Sign™ screening survey (validated for use among adults in 2017)
- Performed logistic regression modeling to account for effect modification by sex, race, and age on food security status in HS individuals
- Stratified data by food insecurity status and ran univariate and multivariate logistic regression models to analyze effects of sex, race, and age between those with and without HS

Results: Food Security in HS

Table 1. Logistic Regression of Food Security Status in HS group, effect modification by Sex, Race, and Age

Characteristic	OR ¹	95% CI ¹	p-value
Sex			
Male	–	–	
Female	0.38	0.13,1.17	0.088
Race			
White	–	–	
Black or African American	1.42	0.47,4.00	0.52
Other	3.33	1.08,10.3	0.034
Unknown	5.72	0.61,55.0	0.11
Age			
	0.98	0.95,1.01	0.13

¹OR = Odds Ratio, CI = Confidence Interval

Results: HS vs Controls (cont.)

- Key HS demographics:
 - Mean age was 51.9 years
 - 84% female
 - 66% White
 - 17% Black or African-American
- Food security status significantly associated with HS (OR_{unadjusted} = 3.29 [2.21, 4.80]; OR_{adjusted} 2.09 [1.37, 3.11]), even after adjusting for confounders of sex, race, and age
- HS individuals neither White nor Black significantly increased risk of being food-insecure

Conclusions

- This study supports an association between HS and food insecurity. Use of self-selected population that may not fully represent broader HS population may limit generalizability of findings
- Further research needed to elucidate relationship between HS and food insecurity and how factors such as race may modify it, in order to guide future health interventions

References & Acknowledgments

- [1] Sabat R, Jemec GBE, Matusiak L, Kimball AB, Prens E, Wolk K. Hidradenitis suppurativa. Nat Rev Dis Primers. 2020 Mar 12;6(1):18.
- [2] Kromann CB, Ibler KS, Kristiansen VB, Jemec GB. The influence of body weight on the prevalence and severity of hidradenitis suppurativa. Acta Derm Venereol. 2014 Sep;94(5):553-7.
- [3] Keenan GS, Christiansen P, Hardman CA. Household Food Insecurity, Diet Quality, and Obesity: An Explanatory Model. Obesity (Silver Spring). 2021 Jan;29(1):143-149.
- [4] Vaidya T, Vangipuram R, Ali Khan A. Examining the race-specific prevalence of hidradenitis suppurativa at a large academic center; results from a retrospective chart review. Dermatol Online J. 2017 Jun 15;23(6):13030/qt9xc0n0z1.
- [5] Acad Dermatol Venereol, Volume: 35, Issue: 1, Pages: 50-61, First published: 27 May 2020, DOI: (10.1111/jdv.16677).
- [6] Price KN, Hsiao JL, Shi VY. Race and Ethnicity Gaps in Global Hidradenitis Suppurativa Clinical Trials. Dermatology. 2021;237(1):97-102.

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