

ORCA - Online Research @ Cardiff

This is an Open Access document downloaded from ORCA, Cardiff University's institutional repository:https://orca.cardiff.ac.uk/id/eprint/171114/

This is the author's version of a work that was submitted to / accepted for publication.

Citation for final published version:

Thompson, Andrew R., Tziotzios, Christos, Nesnas, John, Randall, Rowena, Czachorowski, Maciej and Messenger, Andrew 2024. Lifetime incidence and healthcare disparities in alopecia areata: A UK populationbased cohort study. British Journal of Dermatology, ljae307. 10.1093/bjd/ljae307

Publishers page: https://doi.org/10.1093/bjd/ljae307

Please note:

Changes made as a result of publishing processes such as copy-editing, formatting and page numbers may not be reflected in this version. For the definitive version of this publication, please refer to the published source. You are advised to consult the publisher's version if you wish to cite this paper.

This version is being made available in accordance with publisher policies. See http://orca.cf.ac.uk/policies.html for usage policies. Copyright and moral rights for publications made available in ORCA are retained by the copyright holders.



	AA cases N Event/N people (%)	Matched controls N Event/N people (%)	Decreased risk	Increased risk
Overall	1,217/6,183 (19.68%)	3,576/24,718 (14.47%)		⊢← -i
Subgroups				
Sex				
Female	819/3,342 (24.51%)	2,525/13,366 (18.89%)		⊢♦ −1
Male	398/2,841 (14.01%)	1,051/11,352 (9.26%)		⊢ •−-i
Age				
12-17	11/529 (2.08%)	33/2,111 (1.56%)		•
18-29	268/1,699 (15.77%)	695/6,792 (10.23%)		⊢
30-49	593/2,666 (22.24%)	1,728/10,659 (16.21%)		⊢← -i
50+	345/1,289 (26.76%)	1,120/5,156 (21.72%)		⊢ →
Ethnicity				
White	802/3,205 (25.02%)	2,420/12,820 (18.88%)		⊢♦ −1
Black	30/241 (12.45%)	71/960 (7.40%)	•	•
Asian	118/1,129 (10.45%)	278/4,515 (6.16%)		⊢
Other	39/264 (14.77%)	112/1,047 (10.70%)	н	↓
IMD				
1 (Most deprived)	311/1,339 (23.23%)	840/5,356 (15.68%)		⊢
2	253/1,277 (19.81%)	697/5,108 (13.65%)		⊢
3	212/1,091 (19.43%)	622/4,356 (14.28%)		⊢
4	211/1,144 (18.44%)	673/4,573 (14.72%)		↓
5 (Least deprived)	209/1,205 (17.34%)	657/4,818 (13.64%)		· · · · · · · · · · · · · · · · · · ·
			0.50 0.75 1	.0 1.5 2.0 2.5

B

Overall	835/6,183 (13.50%)	2,264/24,718 (9.16%)	⊢◆ -1
Subgroups			
Sex			
Female	599/3,342 (17.92%)	1,698/13,366 (12.70%)	⊢ •−1
Male	236/2,841 (8.31%)	566/11,352 (4.99%)	⊢ →
Age			
12-17	2/529 (0.38%)	6/2,111 (0.28%)	
18-29	150/1,699 (8.83%)	364/6,792 (5.36%)	⊢
30-49	421/2,666 (15.79%)	1,105/10,659 (10.37%)	⊢ •−1
50+	262/1,289 (20.33%)	789/5,156 (15.30%)	└──◆ ──1
Ethnicity			
White	576/3,205 (17.97%)	1,621/12,820 (12.64%)	⊢ •−1
Black	17/241 (7.05%)	36/960 (3.75%)	·
Asian	74/1,129 (6.55%)	149/4,515 (3.30%)	⊢
Other	28/264 (10.61%)	56/1,047 (5.35%)	⊢
IMD			
1 (Most deprived)	231/1,339 (17.25%)	535/5,356 (9.99%)	└──◆
2	165/1,277 (12.92%)	449/5,108 (8.79%)	↓ ↓
3	145/1,091 (13.29%)	380/4,356 (8.72%)	↓
4	139/1,144 (12.15%)	435/4,573 (9.51%)	→
5 (Least deprived)	144/1,205 (11.95%)	408/4,818 (8.47%)	

С

Overall	1,113/6,183 (18.00%)	3,188/24,718 (12.90%)	⊢◆ −1
Subgroups			
Sex			
Female	763/3,342 (22.83%)	2,179/13,366 (16.30%)	
Male	350/2,841 (12.32%)	1,009/11,352 (8.89%)	⊢
Age			
12-17	29/529 (5.48%)	79/2,111 (3.74%)	↓
18-29	245/1,699 (14.42%)	749/6,792 (11.03%)	↓
30-49	518/2,666 (19.43%)	1,419/10,659 (13.31%)	⊢ →1
50+	321/1,289 (24.90%)	941/5,156 (18.25%)	⊢
Ethnicity			
White	721/3,205 (22.50%)	2,121/12,820 (16.54%)	⊢♦ −1
Black	29/241 (12.03%)	43/960 (4.48%)	۰ــــــــــــ
Asian	109/1,129 (9.65%)	293/4,515 (6.49%)	↓ ↓ ↓
Other	38/264 (14.39%)	93/1,047 (8.88%)	↓I
IMD			
1 (Most deprived)	264/1,339 (19.72%)	742/5,356 (13.85%)	⊢ +
2	236/1,277 (18.48%)	600/5,108 (11.75%)	↓ ↓
3	194/1,091 (17.78%)	572/4,356 (13.13%)	↓ ↓
4	199/1,144 (17.40%)	586/4,573 (12.81%)	⊢
5 (Least deprived)	199/1,205 (16.51%)	631/4,818 (13.10%)	·•
		0.50	0.75 1.0 1.5 2.0 2.5 3.
		0.50	0.75 1.0 1.5 2.0 2.5

Adjusted odds ratio (95% CI)