

Treatment patterns among patients with generalized pustular psoriasis

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Treatment patterns for patients with newly diagnosed GPP vary over time, reflecting the absence of standardised care for patients

PURPOSE

 The aims of this claims-based study were to describe the types of medications prescribed for patients with GPP following incident diagnosis and the variances in treatment over time

INTRODUCTION

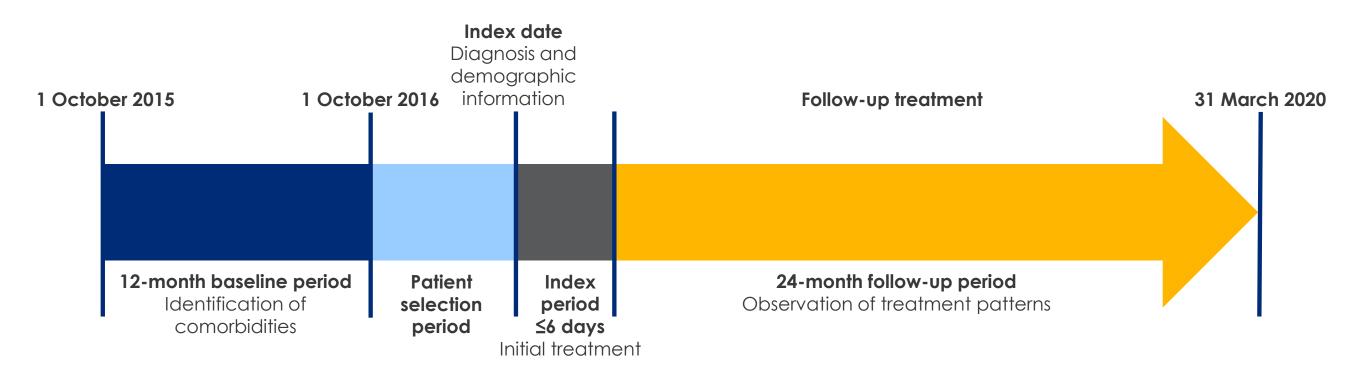
- GPP is a rare, potentially life-threatening neutrophilic skin disease, characterised by widespread eruption of sterile pustules that coalesce to form lakes of pus, which significantly impairs patient quality of life^{1,2}
- Complications of GPP, such as septic shock, cholangitis and respiratory abnormalities, including pneumonia and acute respiratory distress syndrome, may lead to mortality³
- With no approved treatments in Europe or the USA, and no standard guidelines for GPP management, patients may be prescribed topical corticosteroids, oral retinoids or other systemic treatments⁴

CONCLUSIONS

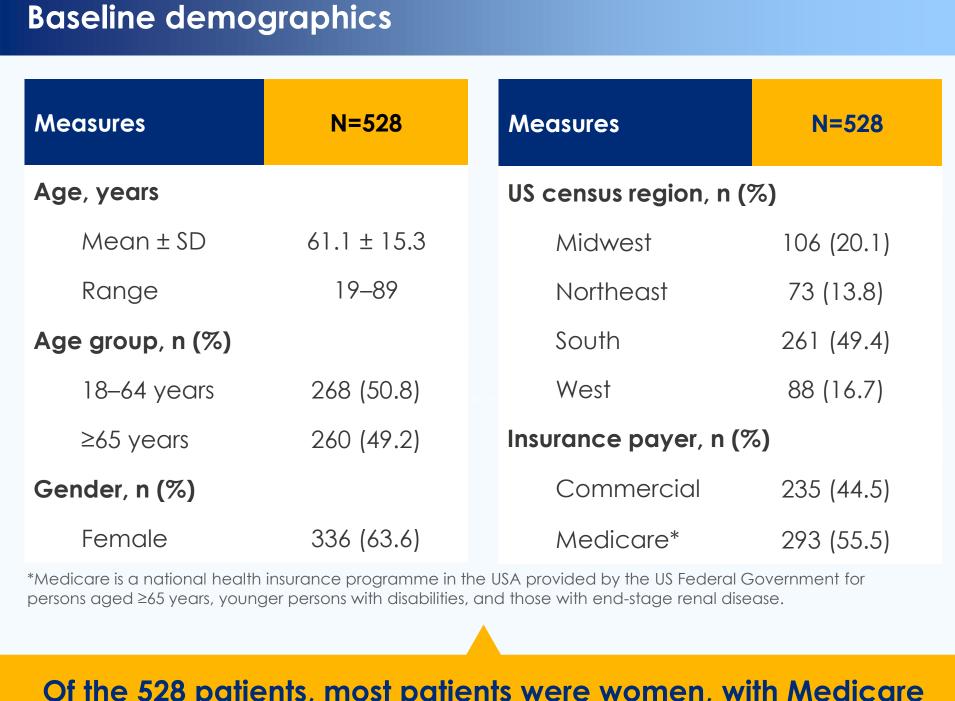
- The majority of patients with GPP did not receive systemic treatment within the first month of diagnosis
- Oral steroid use increased from Month 1 to Month 24, while biologics only increased from Months 1 to 3, but decreased thereafter
- No single treatment dominated, with treatment for most patients changing over time
- Limitations of the present study are inherent to the use of claims-based data; the potential for inaccurate, incomplete or missing data
- These results indicate that the absence of standardised care for patients with GPP contributes towards the unmet needs of these patients

METHODS

- Design: observational, retrospective cohort study using health claims data from the Optum Clinformatics Data Mart database. Optum is a large commercial health insurer comprising >65 million patients in the USA
- Inclusion criteria: patients aged ≥18 years, with a new diagnosis of GPP (ICD-10 L40.1), 12 months' insurance enrolment prior to diagnosis, with ≥1 inpatient or ≥2 outpatient claims ≥30 and ≤180 days apart, but no GPP claims during the 12-month baseline period
- Analysis: descriptive, no statistical comparisons



RESULTS



Of the 528 patients, most patients were women, with Medicare as the most common insurance payer

Comorbidities	N=528	
	n	%
Diabetes (ICD-10 E11)	131	24.8
Diabetes (ICD-10 E11+ anti-diabetic agents)	88	16.7
Anxiety	79	15.0
Plaque psoriasis	76	14.4
Depression	68	12.9
Psoriatic arthritis	60	11.4
Obesity	53	10.0
Rheumatoid arthritis	32	6.1
Table shows comorbidities occurring in ≥5% of patients; other comorbiditie ulcerative colitis (0.9%), hidradenitis suppurativa (0.8%) and ankylosing spo		sease (1.1%),

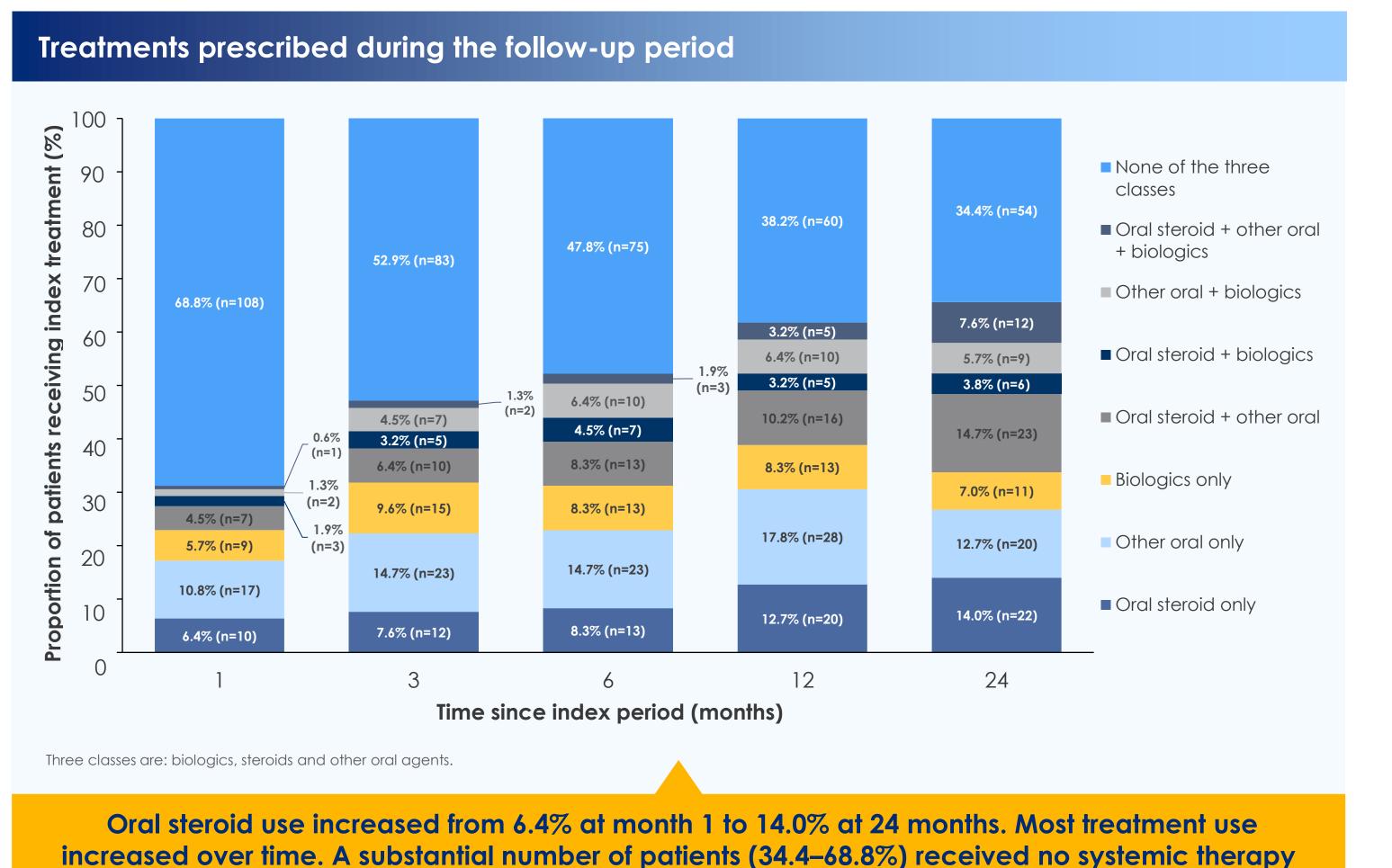
Baseline comorbidities

plaque psoriasis

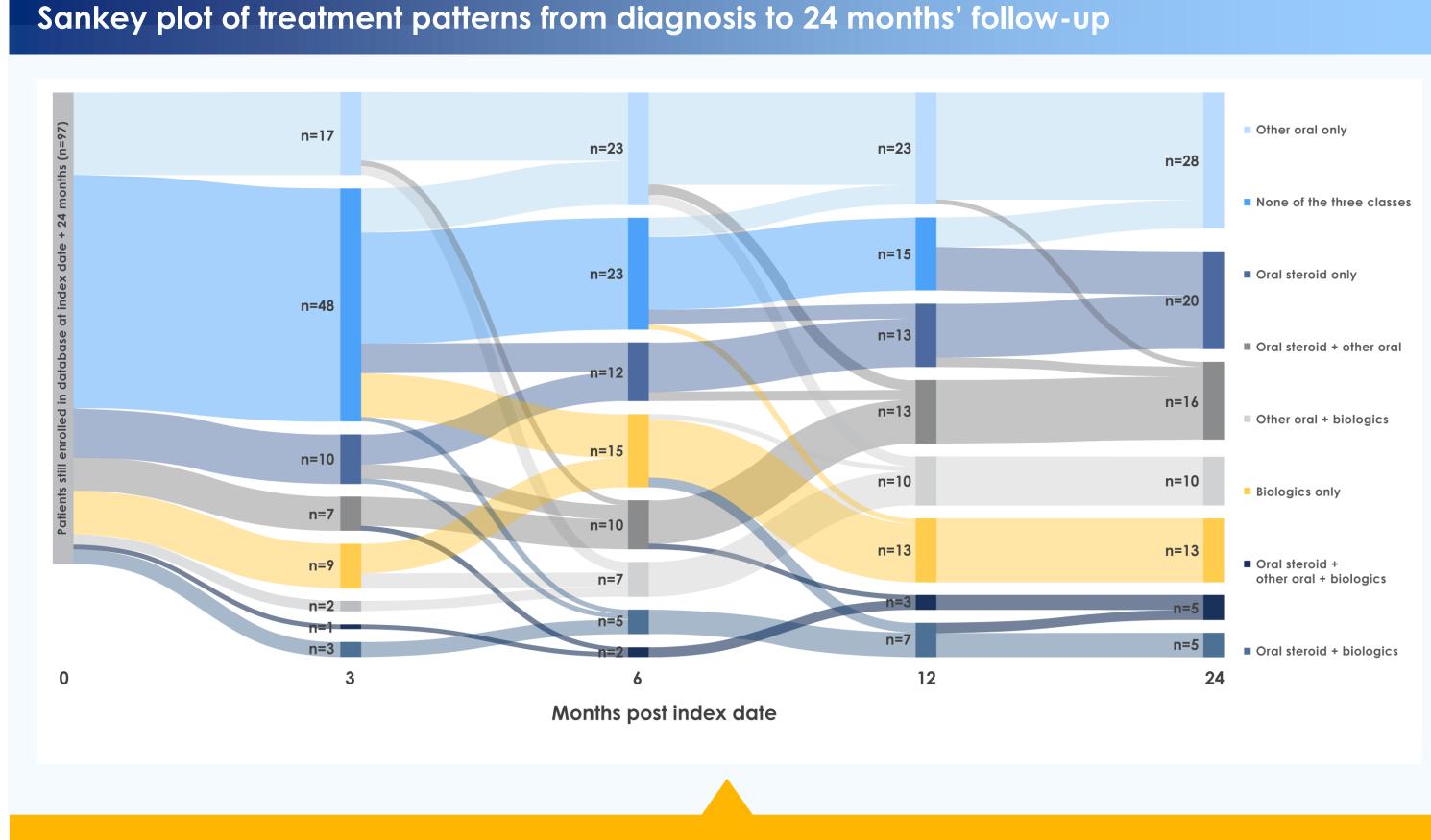
Initial treatment (index period)

Treatment	N=5	N=528	
	n	%	
Topical agents	135	25.6	
Topical corticosteroids	124	23.5	
Topical non-corticosteroids	25	4.7	
Oral systemic steroids	38	7.2	
Other oral (systemic/DMARDs)	46	8.7	
Biologic agents	18	3.4	
TNF-a inhibitors	15	2.8	
IL inhibitors	3	0.6	
Phototherapy	22	4.2	
Steroid injections	31	5.9	

The most common treatments were topical corticosteroids and oral systemic steroids



for GPP over 24 months



Treatment patterns for GPP varied over time, with many instances of treatment switching throughout the 24-month follow-up period

Abbreviations

DMARD, disease-modifying anti-rheumatic drug; GPP, generalized pustular psoriasis; ICD-10, International Classification of Diseases 10th revision; IL, interleukin; SD, standard deviation; TNF, tumour necrosis factor.

References

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