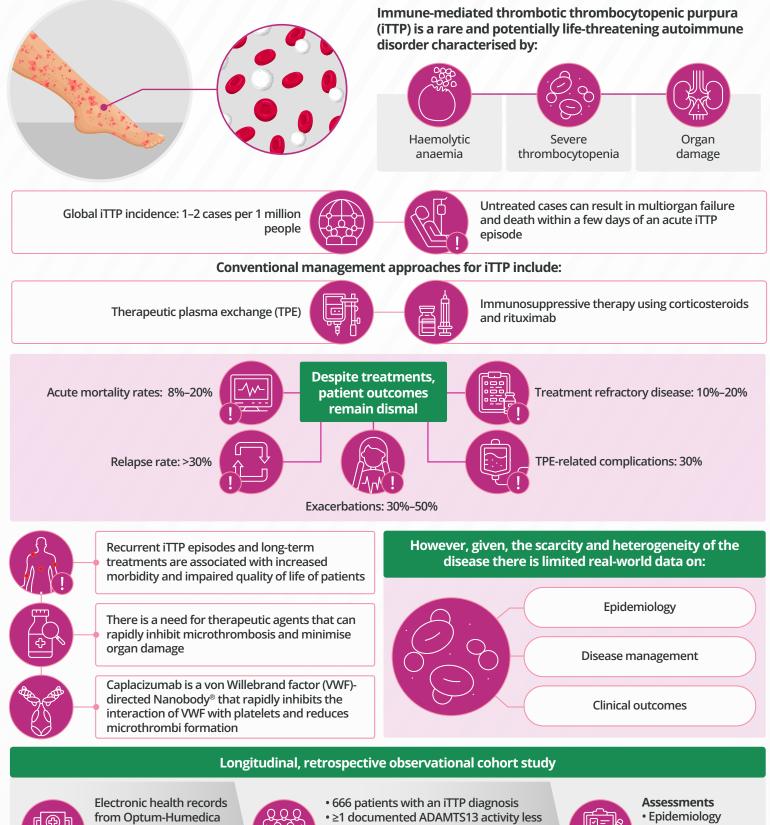
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Insights into the Epidemiology, Disease Burden, **Clinical Management, and Outcomes of Immune-Mediated Thrombotic Thrombocytopenic Purpura**

This infographic is intended for researchers and healthcare professionals and reflects the contents of the following article:

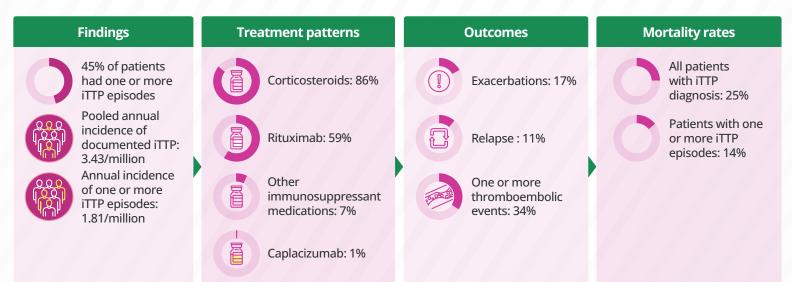
Adeyemi, A., Razakariasa, F., Chiorean, A., & de Passos Sousa, R. (2022). Epidemiology, Treatment Patterns, Clinical Outcomes, and Disease Burden Among Patients with Immune-Mediated Thrombotic Thrombocytopenic Purpura in the United States. Research and Practice in Thrombosis and Haemostasis, 6(6), e12802. DOI: 10.1002/rth2.12802



database-700 hospitals and 7,000 clinics in the **United States**



- than 10% or one or more iTTP episodes Age, gender, and index year
- 1:5-matched non-iTTP control cohort
- - Treatment patterns Clinical outcomes
 - Disease burden



| Mean comorbidities per patient | iTTP: 14 | Non-iTTP: 3 | Disease burden | | | | | |
|--|----------|-------------|--|-------------|-------------------|---|---------------|----------------------------------|
| Chronic kidney disease | 47% | 7% | Cluster analysis | Mean age | Mortality rate | Mean duration of index iTTP episode | >1 episode | Disease burden |
| Proteinuria | 24% | 1.45% | | | | chicana | | යිළු Kidney |
| End-stage renal disease | 18% | 0.5% | Older morbid patients with longer episodes | 56 years | 30% | 19 days | 13% | Pulmonary |
| Neurological signs and symptoms with altered mental status | 39% | 5% | | | | | | Psychological |
| Stroke | 39% | 6% | Younger patients with comorbidities and short episodes | 40 years | 8% | 13 days | 64% | Cardiovascular |
| Dizziness/giddiness | 55% | 15% | | | | | | |
| Speech and language difficulties | 19% | 2% | Younger less morbid patients with short episodes | 43 years | 4% | 12 days | 72% | Psychological |
| Tingling | 41% | 12% | | | | | | |
| Cardiovascular diseases with arrhythmia | 60% | 15% | | | | | | |
| Hypertension | 70% | 32% | Older very morbid patients with longer episodes | 58 years | 22% | 20 days | 29% | (දින්ති) Kidney මීම Pulmonary |
| Respiratory symptoms, such as dyspnoea | 58% | 16% | | | | | | Cardiovascular |

Key messages

Patients with iTTP are at an increased risk of morbidity and mortality, despite treatment with TPE and immunosuppressants. This highlights the need for more effective therapies

- Comorbidities reflect long-term organ damage, underscoring the importance of rapidly controlling ischaemia during iTTP episodes
- Clinical symptoms and disease burden worsen with age; analysing the sequence and pattern of comorbidities can aid in early detection and improve disease monitoring and management



Epidemiology, Treatment Patterns, Clinical Outcomes, and Disease Burden Among Patients with Immune-Mediated Thrombotic Thrombocytopenic Purpura in the United States Adeyemi *et al.* (2022) | *Research and Practice in Thrombosis and Haemostasis* | DOI: 10.1002/rth2.12802

