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- Cystic fibrosis (CF) is a rare, genetic, multi-organ, systemic disease that begins in utero. People with CF have a substantial disease burden and high levels of healthcare resource utilisation (HCRU) due to CF-specific symptoms and increased occurrence of comorbidities.<sup>1,2</sup>
- Cystic fibrosis transmembrane conductance regulator modulators (CFTRm) target the underlying cause of CF.<sup>3</sup> Ivacafor (IVA) was the first CFTRm to become available and was followed by lumacafor/ivacafor, tezacafor/ivacafor, and elexacafor/tezacafor/ivacafor (ELX/TEZ/IVA).
- The safety and efficacy of the CFTRm have been shown in clinical trials of people with CF.
- Real-world evidence (RWE) in people with CF treated with CFTRm has shown improvements in lung function<sup>4-10</sup>, and reductions in pulmonary exacerbations<sup>4-10</sup>, hospitalisations<sup>4-6,11</sup>, mortality<sup>4-12</sup> and risk of lung transplant<sup>4,6,12,13</sup>. However, there is limited information on the real-world impact of CFTRm on HCRU in the UK.
- This study assessed the real-world HCRU of people with CF in Wales before and after CFTRm initiation, including all licensed CFTRm at the time of the study.