

**Collaborative Working Project executive summary**

<b>Project title</b>	A collaborative working project between Sanofi and Liverpool Place within Cheshire & Mersey ICB to deliver a targeted quality improvement and population health management programme to transform how patients with Chronic Obstructive Pulmonary Disease (COPD) are identified, treated, and supported.
<b>Partner organisation/s</b>	<p><b>NHS Cheshire &amp; Mersey ICB</b> No.1 Lakeside, 920 Centre Park Square, Warrington, WA1 1QY</p> <p><b>NHS Liverpool Place</b> Cunard Building, 2<sup>nd</sup> Floor, Water St, Liverpool L3 1AH</p> <p><b>Sanofi</b>, 410 Thames Valley Drive, Reading, Berkshire, RG6 1PT</p>
<b>Project rationale</b>	<p><b>Current Situation and Challenges:</b></p> <p><b>Regional Performance:</b></p> <ul style="list-style-type: none"> <li>Cheshire and Merseyside ICB rank 42nd out of 42 ICBs in England for respiratory outcomes</li> <li>Second-highest rate of respiratory admissions (915 per 100,000)</li> <li>Second-highest rate of respiratory deaths (122.9 per 100,000)</li> </ul> <p><b>COPD Prevalence and Diagnosis:</b></p> <ul style="list-style-type: none"> <li>70,192 people diagnosed with COPD in Cheshire &amp; Mersey ICB (March 2024)</li> <li>2.4% increase (1,644 new diagnoses) since March 2023</li> <li>Liverpool's COPD prevalence is 3.6% (18,306 people), nearly double the England average of 1.9%</li> <li>Estimated 4,381 people with undiagnosed COPD in Liverpool</li> <li>Up to 27% of COPD diagnoses in Liverpool may be incorrect</li> </ul> <p><b>Healthcare System Strain:</b></p> <ul style="list-style-type: none"> <li>COPD is the leading reason for readmissions (25% within 30 days)</li> <li>Highest number of additional respiratory patient interactions in the country</li> <li>Limited access to diagnostic tests worsening patient experience and outcomes</li> </ul> <p><b>Health Inequalities:</b></p> <ul style="list-style-type: none"> <li>8-year life expectancy gap between most and least deprived areas</li> <li>Liverpool is the 3rd most deprived local authority in the UK</li> <li>63% of Liverpool residents live in areas ranked among the most deprived in England</li> <li>31,188 households in Liverpool face fuel poverty or poor housing conditions</li> <li>Up to 50% of people with 'Complex Lives' in Liverpool have COPD</li> </ul>

	<p><b>Project Aim:</b> To transform COPD identification, treatment, and support within Cheshire and Merseyside ICB, starting with a focused pilot in Liverpool. The project aims to improve patient outcomes, reduce avoidable hospital admissions, and optimise resource utilisation.</p> <p><b>Scope and Objectives:</b></p> <ol style="list-style-type: none"> <li><b>Comprehensive COPD Pathway Review:</b> <ul style="list-style-type: none"> <li>Assess alignment with NICE guidelines and national priorities</li> <li>Benchmark against national comparators (NRAP, GIRFT Review, Model Health System)</li> <li>Engage NHS stakeholders to map current pathway and identify gaps</li> <li>Develop evidence-based improvement recommendations</li> </ul> </li> <li><b>Population Health Analysis:</b> <ul style="list-style-type: none"> <li>Analyse A&amp;E attendances, hospital admissions, and follow-up care</li> <li>Review uptake of preventative interventions (vaccinations, pulmonary rehabilitation, smoking cessation, etc.)</li> <li>Identify areas of unexpectedly low COPD prevalence for targeted screening</li> <li>Assess alignment with Core20PLUS5 objectives</li> </ul> </li> <li><b>Wider Respiratory Needs Assessment:</b> <ul style="list-style-type: none"> <li>Examine community respiratory service adequacy for other conditions</li> </ul> </li> <li><b>Improve Patient Identification and Risk Stratification:</b> <ul style="list-style-type: none"> <li>Enhance methods for identifying high-risk patients</li> <li>Prioritise ongoing specialist care and early intervention</li> </ul> </li> <li><b>Maximize Efficiency and Introduce Innovation:</b> <ul style="list-style-type: none"> <li>Identify opportunities for better resource allocation</li> <li>Explore requirements for advanced COPD therapies</li> <li>Support understanding of neighbourhood model needs for respiratory services</li> </ul> </li> <li><b>Deliver Actionable Recommendations:</b> <ul style="list-style-type: none"> <li>Develop prioritised options to improve pathways, service delivery, and access</li> <li>Create an outline Action Plan and Evaluation Framework</li> </ul> </li> </ol> <p><b>Future Expansion - Phase Two:</b></p> <ul style="list-style-type: none"> <li>Target patients "lost in the system"</li> <li>Focus on neighbourhoods with highest COPD-related health inequalities</li> </ul> <p><b>Expected Benefits:</b></p> <ol style="list-style-type: none"> <li><b>Clinical Outcomes:</b> <ul style="list-style-type: none"> <li>Earlier, accurate COPD diagnosis (potential 15.7% reduction in treatment costs)</li> </ul> </li> </ol>
--	--

	<ul style="list-style-type: none"> <li>Reduced hospital admissions and readmissions</li> <li>Improved patient experience and quality of life</li> </ul> <p><b>2. System Improvements:</b></p> <ul style="list-style-type: none"> <li>Close gaps in care and follow-up</li> <li>Increase uptake of proven preventative measures</li> <li>Reduce unwarranted variation in treatment</li> <li>Better alignment with national guidelines and priorities</li> </ul> <p><b>3. Resource Optimisation:</b></p> <ul style="list-style-type: none"> <li>Target resources to areas of greatest need</li> <li>Improve service efficiency</li> </ul> <p><b>4. Health Equity:</b></p> <ul style="list-style-type: none"> <li>Address health inequalities in line with Core20PLUS5 objectives</li> <li>Targeted interventions for deprived areas and complex patients</li> </ul> <p><b>5. Scalability:</b></p> <ul style="list-style-type: none"> <li>Provide a blueprint for system-wide respiratory improvement</li> <li>Potential for expansion across Cheshire and Merseyside</li> </ul>
<b>Project period</b>	<p>Start date: Q4 2025</p> <p>End date Q3, 2026</p>
<b>Project objectives</b>	<p>The collaborative working project will undertake a review of the COPD pathway and service and develop a report with recommendations to improve the pathway and service for patients with COPD.</p> <p>This will inform an action plan to implement agreed changes which has the potential to deliver the following benefits for Patients, the NHS and Sanofi:</p> <p><b><u>Patients</u></b></p> <ul style="list-style-type: none"> <li>To ensure equity of pathway access, provision, and experience for patients with COPD in Liverpool, part of Cheshire &amp; Mersey ICB.</li> <li>Quicker and more equitable access to care for patients with COPD.</li> <li>Better access to treatment options for patients with COPD as well as a clear pathway of care with an improved patient experience.</li> </ul> <p><b><u>NHS</u></b></p> <ul style="list-style-type: none"> <li>Improved pathway for patients with COPD.</li> <li>Reduction in unwarranted variations in care for patients with COPD through targeting the programme at areas of high deprivation.</li> <li>Increase in patients with COPD receiving specialist review in a timely manner through improved</li> </ul>

	<p>identification and referral from primary care and follow-up and treatment optimisation after A&amp;E attendance and hospital admission.</p> <ul style="list-style-type: none"> <li>Improving the identification of patients at high risk of hospital admission and readmission.</li> <li>Implementation of an improved and more efficient pathway for patients with COPD that is in line with NICE guidance and ensuring high value fundamentals of COPD care are consistently provided.</li> <li>Learning from the implementation of a population health management approach for patients with COPD that can inform the implementation of population health management in other disease areas/population groups</li> <li>By specifically targeting areas of high deprivation the approach in COPD could potentially be transposed to other disease areas.</li> <li>Optimisation of the solutions that are already in place.</li> </ul> <p><b>Sanofi</b></p> <ul style="list-style-type: none"> <li>A better understanding of the COPD services within Cheshire &amp; Mersey ICB and Liverpool Place.</li> <li>Improved corporate reputation with Cheshire &amp; Mersey ICB and Liverpool Place and partner organisations by supporting them to improve the quality of care for patients with COPD.</li> <li>Understanding of how a population health management approach can be used to improve patient care.</li> <li>As a result of pathway changes some appropriate patients in the future may be prescribed Sanofi products in line with NICE guidance.</li> </ul> <p>Total project costs is £14,000 52% NHS vs 48% Sanofi contribution</p>
<p><b>Contact details</b></p>	<p><b>Liverpool Place, NHS Cheshire &amp; Mersey ICB</b></p> <p>Amanda Brookes, Liverpool Place, Delivery Manager, Liverpool place, NHS Cheshire &amp; Mersey ICB</p> <p><b>Sanofi</b></p> <p>Paul Naish, Head of Market Access</p> <p>GB-marketaccess@sanofi.com</p>