



Real-World Evidence as the centerpiece for the evaluation of LungFlag pre-screening digital algorithm

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Moving Forward Together

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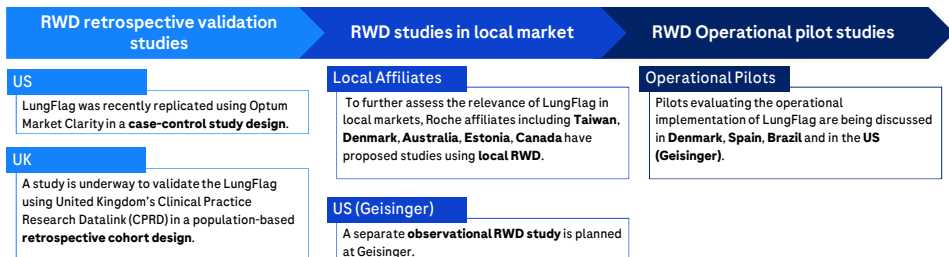
BACKGROUND

The burden and mortality of lung cancer has been clearly quantified worldwide. Despite this, no country has established a nationwide lung cancer (LC) screening program. In the United States (US), although the US Preventive Services Task Force (USPSTF) recommends LC screening by low-dose computed tomography (LDCT) in high-risk individuals, compliance to these guidelines remains poor. A personalized risk score may help increase compliance to LC screening. Roche is generating clinical and operational evidence to support the global strategic commercialization of a third-party (MedialEarly Signs) digital algorithm using data from electronic health records that may help to increase compliance of high-risk individuals to LDCT. Central to the evidence generation strategy are real-world data (RWD) studies from multiple countries across global Pharma-Dia and affiliate groups.

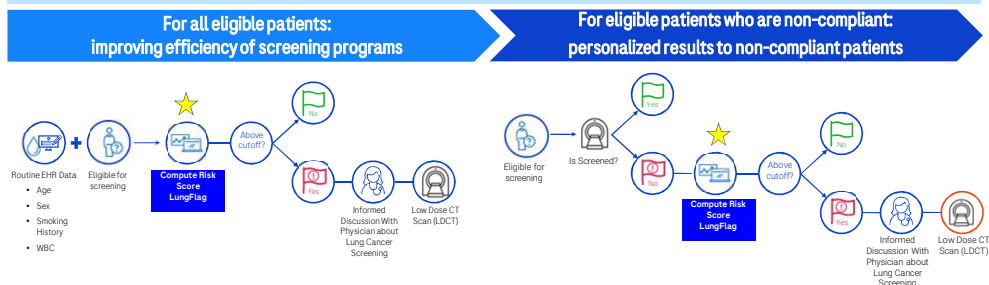
METHODS

A total of 8 RWD studies and 4 operational pilots have been planned or completed using RWD representing routine clinical practice and observational methods to develop an overarching strategy to validate and evaluate the use of LungFlag in local systems.

Evidence generation based solely on Real-world Data

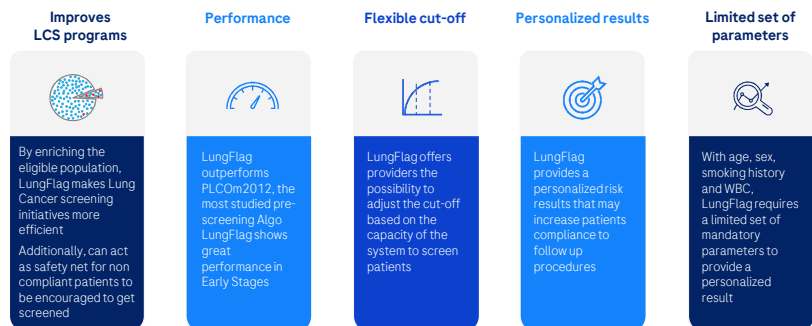


LungFlag Workflow: Digital biomarker to rule-in high risk patients



LungFlag Value Proposition

A ML/AI-developed algorithm to enrich the lung cancer screening (LCS) population by identifying high-risk patients



IMPACT

As one of the first PHC algorithms on the cusp of commercialization for Roche, **LungFlag has relied exclusively on RWE (e.g., no RCTs) as the cornerstone of evidence generation from development stages to validation and implementation**, while incorporating new global and local processes for RWD studies conducted within Roche.

QR code

