

NRAP Good Practice Repository – COPD

Salford Royal

Northern Care Alliance NHS Foundation Trust



KPI3:

Spirometry result available.

Salford Royal achieved:

86.5% - 2022-23*

*% of patients submitted to the audit.

A high proportion of patients included in the COPD audit data have a spirometry measurement (patients may have FEV1 and FVC or either of the measures in the main)

These results are obtained from the electronic patient record that is in use within our organisation, meaning that results performed by the specialist cardiorespiratory team (CRI) respiratory physicians within the outpatient setting and GP practices can be viewed easily.



Our processes to achieve good practice in KPI3:

CRI and respiratory staff have always ensured that spirometry is recorded within the EPR system on the relevant section. This allows for the data team to extract this data in a timely manner.

Prior to the Covid pandemic, the respiratory team (consultant, specialist nurses and physios) hosted education events within primary care where GPs and practice nurses were trained on how to perform and interpret spirometry. This resulted in increased availability of spirometry results.

Spirometry in primary care was stood down during the pandemic and discussions were held between primary and secondary care regarding the introduction of spirometry in the primary care setting.

The outcome of these meetings was that primary care clinicians could refer patients to the community diagnostic centres for ARTP quality spirometry.

This provision has not been commissioned formally and as a result spirometry results are more readily available from the results section with EPR without having to undertake a further search within the GM Care Record section of EPR which houses the GP notes.

Example of spirometry:

	11032017 12:00	11032017 12:00	15092020 12:00	15092020 12:00	21122020 16:05	21122020 16:22	06092021 15:50	11052022 12:00	16092022 12:00	03102022 10:08	17012024 15:33	23012024 17:00	02022024 14:31
Investigation													
Endoscopy Report	*	*	*	*				*	*		*	*	
Endoscopy Report Comment	To view t...	To view t...	To view t...	To view t...				To view t...	To view t...		To view t...	To view t...	
FEV1					1.58		1.49			↓ 1.38			
FEV1 % Predicted					83.1		78.1			69.6			
FVC					1.96		1.91			↓ 1.81			
FVC % Predicted					85.0		82.2			69.5			
VC Max Pre					1.96		1.91			↓ 1.81			
FEV1 %VCMAX Pre					80.38		78.09			76.31			
PEF					342.78		↓ 239.04			↓ 224.64			
PEF % Predicted					103.5		71.8			67.9			
TLC Pre					4.09		3.99			↓ 3.81			
TLC %Pred					83.5		80.3			77.5			
RV Pre					2.13		2.02			2.00			
RV %Pred					99.2		92.7			92.6			
RV %TLC Pre					52.03		50.71			52.42			
DLCOc Single Breath Pre					↓ 11.11		↓ 9.85						
DLCOc Single Breath %Pred					54.8		48.4						
DLCOc SB/VA Pre					3.35		3.06						
DLCOc SB/VA %Pred					80.9		74.5						
Hb Pre					13.10		12.80			13.40			
Spirometry comment							