

N. Ireland Cancer Registry Implications of Research for Services

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Paper Title	Association between statin therapy dose intensity and radiation cardiotoxicity in non-small cell lung cancer: results from the NI-HEART study
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Conclusion	This study investigated the impact of statin therapy on overall survival and post-radiotherapy cardiac events in patients with non-small cell lung cancer (NSCLC) undergoing curative-intent radiotherapy. We analyzed data from patients treated between 2015-2020 and found that statin therapy was associated with improved overall survival, particularly with high or medium statin intensity. However, there were no consistent differences in the rate or severity of cardiac events based on statin intensity.
What this means for the service	The study underlines the importance of assessing cardiovascular risk before treatment in cancer patients and suggests the need for further research to explore whether statin therapy could be cardioprotective for NSCLC patients receiving radiotherapy with significant incidental cardiac radiation exposure and low baseline cardiac risk.