

Paper Category:	Prevention and Public Health
Paper Title: (Arial Font; 14 Pt Size)	Mortality risk analysis according to frailty in Korea
Abstract Body: (Arial Font; 12Pt Size)	<ul style="list-style-type: none"> • Background • Objectives • Method • Results • Discussions and Conclusions
<p>• Background</p> <p>Aging is an important predictor of mortality risk, and it appears that mortality risk increases with the degree of frailty. However, because of data limitations, Korean studies that reveal the relationship between frailty and mortality risk are scarce.</p> <p>• Objectives</p> <p>To analyze the relationship between frailty and mortality risk based on the frailty index and examine the influencing factors that increase mortality risk.</p> <p>• Method</p> <p>Examining the relationship between frailty (CHS score) and mortality risk using the Korean geriatric cohort data and mortality-linked data. The HR (hazard ratio) was derived using survival analysis and Cox proportional hazard model.</p> <p>• Results</p> <p>Of the total 2,977 individuals analyzed, 4.6% died, and the average age of the deceased was 77.8 years old. As a result of Cox proportional hazard analysis, being male, older, and frail increases mortality risk. Mortality risk was 1.873 times higher for pre-frailty, and 4.573 times higher for frailty than healthy cases. Mortality risk increases by 2.13 times with each increase in frailty score.</p> <p>Mortality risk among females is 0.367 times higher than males, the age is 1.076 times higher for every one year increase, and the frailty score is 1.545 times higher for every 1 point increase.</p> <p>•Discussions and Conclusions</p> <p>In Korea, frailty is identified as a factor affecting mortality, and the mortality risk in females was determined to be high. Decreased health function and geriatric</p>	

diseases due to frailty are important issues in many countries and should be addressed at the national level. Therefore, it is necessary to monitor frailty-related mortality through a long-term cohort study.

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