

**Table 1: All-cause mortality of NRS in telecardiology**

	Study name	Sample size	Data source	Adjustment for confounders	All-cause mortality
<b>NRS adjusting for at least one disease variable</b>					
1	Akar 2015	ICD: 20,852 (RM) 16,890 (no RM)	(1) ACCF National Cardiovascular Data Registry ICD Registry (2) Boston Scientific Corporation ALTITUDE database (3) Social Security Death Master File	multivariable time-dependent Cox model adjusted for >14 variables (including age, sex, race, NYHA class, LVEF)	HR: 0.67 [95 %-CI: 0.64; 0.71]; p<0.0001
<b>NRS without adjusting for disease variables</b>					
5	Saxon 2010	<b>ICD:</b> 39,546 (RM) 68,481 (no RM)	(1) Boston Scientific Corporation ALTITUDE database (2) Social Security Death Index	multivariable Cox proportional hazard model adjusting for age, gender, implantation year and device type	HR: 0.57 [95 %-CI: 0.55; 0.59]; p<0.0001 survival: 73% vs. 60%
		<b>CRT-D:</b> 30,010 (RM) 47,741 (no RM)			HR: 0.67 [95 %-CI: 0.64; 0.69]; p<0.0001 survival: 61% vs. 46%

6	Varma 2015	<b>ICD:</b> 20,355 (low use of RM) 45,232 (no RM)	(1) Merlin patient care network (St. Jude Medical)  (2) Social Security Death Master File	multivariable Cox proportional hazard model with stratification based on age and covariates of sex and socioeconomic variables	HR: 0.56 [95 %-CI: 0.53; 0.59]; p<0.001
		<b>CRT-D:</b> 14,867 (low use of RM) 31,758 (no RM)			HR: 0.61 [95 %-CI: 0.58; 0.64]; p<0.001
		<b>CRT-P:</b> 1,634 (low use of RM) 4,281 (no RM)			HR: 0.56 [95 %-CI: 0.48; 0.65]; p<0.001

CRT: cardiac resynchronization therapy; HR: Hazard Ratio; ICD: implantable cardioverter-defibrillator; LVEF: left ventricular ejection fraction; NRS: non-randomised study; NYHA: New York Heart Association; RM: remote monitoring