### Table 1 of the supplementary material

Hazard Ratios (95% CI) of 12-month All-cause Mortality According to Baseline Characteristics of the Study Participants

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>HR (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Age, y</strong></td>
<td></td>
</tr>
<tr>
<td>&lt; 85</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>≥ 85</td>
<td>1.46 (1.11-1.91)</td>
</tr>
<tr>
<td><strong>Sex</strong></td>
<td></td>
</tr>
<tr>
<td>Women</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>Men</td>
<td>1.24 (0.95-1.63)</td>
</tr>
<tr>
<td><strong>Treatment group</strong></td>
<td></td>
</tr>
<tr>
<td>Intervention</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>No intervention</td>
<td>1.22 (0.94-1.60)</td>
</tr>
<tr>
<td><strong>Hospital</strong></td>
<td></td>
</tr>
<tr>
<td>Number 1</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>Number 2</td>
<td>1.54 (0.93-2.56)</td>
</tr>
<tr>
<td>Number 3</td>
<td>1.31 (0.80-2.14)</td>
</tr>
<tr>
<td>Number 4</td>
<td>0.77 (0.42-1.41)</td>
</tr>
<tr>
<td>Number 5</td>
<td>1.09 (0.71-1.67)</td>
</tr>
<tr>
<td>Number 6</td>
<td>0.84 (0.50-1.42)</td>
</tr>
<tr>
<td><strong>NYHA functional grade</strong></td>
<td></td>
</tr>
<tr>
<td>I-II</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>III-IV</td>
<td>1.16 (0.89-1.51)</td>
</tr>
<tr>
<td><strong>Left ventricular ejection fraction</strong></td>
<td></td>
</tr>
<tr>
<td>&lt; 45%</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>≥ 45%</td>
<td>1.15 (0.89-1.51)</td>
</tr>
<tr>
<td><strong>Atrial fibrillation</strong></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>Yes</td>
<td>1.14 (0.88-1.49)</td>
</tr>
<tr>
<td><strong>Serum hemoglobin (mg/dL)</strong></td>
<td></td>
</tr>
<tr>
<td>0.94 (0.89-1.00)</td>
<td></td>
</tr>
<tr>
<td><strong>Serum creatinine (mg/dL)</strong></td>
<td></td>
</tr>
<tr>
<td>1.33 (1.09-1.63)</td>
<td></td>
</tr>
<tr>
<td><strong>Depression</strong></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>Mild</td>
<td>1.16 (0.84-1.61)</td>
</tr>
<tr>
<td>Severe</td>
<td>1.40 (0.92-2.13)</td>
</tr>
<tr>
<td><strong>Charlson Index</strong></td>
<td>1.12 (1.05-1.19)</td>
</tr>
<tr>
<td><strong>Mini-mental state examination</strong></td>
<td>0.97 (0.96-0.99)</td>
</tr>
<tr>
<td><strong>Katz index</strong></td>
<td>1.21 (1.12-1.30)</td>
</tr>
<tr>
<td><strong>Hospitalization for heart failure in last year</strong></td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>No</td>
<td>1.25 (0.96-1.62)</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td><strong>Educational level</strong></td>
<td></td>
</tr>
<tr>
<td>Unable to read/No education</td>
<td>1 (Ref.)</td>
</tr>
<tr>
<td>Less than primary</td>
<td>0.92 (0.67-1.26)</td>
</tr>
<tr>
<td>Primary or higher</td>
<td>1.00 (0.72-1.41)</td>
</tr>
<tr>
<td><strong>Heart failure knowledge score</strong></td>
<td>1.05 (1.00-1.11)</td>
</tr>
<tr>
<td><strong>Heart failure self-care score</strong></td>
<td>1.00 (0.98-1.02)</td>
</tr>
</tbody>
</table>

95% CI, 95% confidence interval; HR, hazard ratio; NYHA, New York Heart Association.
**Table 2 of the supplementary material**

Hazard Ratios (95%CI) of 12-month All-cause Mortality According to Tertiles of Baseline Health Literacy, Stratified by Clinical Variables

<table>
<thead>
<tr>
<th>Health literacy</th>
<th>Lowest tertile (n = 182)</th>
<th>Second tertile (n = 188)</th>
<th>Highest tertile (n = 186)</th>
<th>P-value for interaction</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Age</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 85 y</td>
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<tr>
<td>Deaths, No.</td>
<td>27</td>
<td>24</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.87 (0.45-1.67)</td>
<td>0.95 (0.47-1.92)</td>
<td>.844</td>
</tr>
<tr>
<td>≥ 85 y</td>
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<td></td>
<td></td>
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<tr>
<td>Deaths</td>
<td>34</td>
<td>34</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.86 (0.48-1.53)</td>
<td>1.11 (0.62-1.98)</td>
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</tr>
<tr>
<td><strong>NYHA grade</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>I-II</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths, No.</td>
<td>28</td>
<td>29</td>
<td>52</td>
<td>.276</td>
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<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>1.02 (0.57-1.83)</td>
<td>1.38 (0.79-2.42)</td>
<td></td>
</tr>
<tr>
<td>III-IV</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths</td>
<td>32</td>
<td>29</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.88 (0.47-1.67)</td>
<td>0.67 (0.32-1.43)</td>
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<tr>
<td><strong>Charlson comorbidity index</strong></td>
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<tr>
<td>&lt; 3</td>
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<td>.613</td>
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<tr>
<td>Deaths, No.</td>
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<td>15</td>
<td>29</td>
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<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.94 (0.40-2.18)</td>
<td>1.20 (0.54-2.67)</td>
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<tr>
<td>≥ 3</td>
<td></td>
<td></td>
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<tr>
<td>Deaths, No.</td>
<td>42</td>
<td>43</td>
<td>41</td>
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</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.76 (0.47-1.24)</td>
<td>0.83 (0.50-1.40)</td>
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</tr>
<tr>
<td><strong>Left ventricular ejection fraction</strong></td>
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</tr>
<tr>
<td>≥ 45%</td>
<td></td>
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<td>.581</td>
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<tr>
<td>Deaths, No.</td>
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<td>39</td>
<td>43</td>
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</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>1.02 (0.60-1.74)</td>
<td>1.18 (0.68-2.05)</td>
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</tr>
<tr>
<td>&lt; 45 %</td>
<td></td>
<td></td>
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<tr>
<td>Deaths, No.</td>
<td>18</td>
<td>14</td>
<td>16</td>
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</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.51 (0.19-1.41)</td>
<td>0.62 (0.21-1.82)</td>
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<tr>
<td><strong>Depression</strong></td>
<td></td>
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<tr>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths, No.</td>
<td>35</td>
<td>37</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.79 (0.46-1.35)</td>
<td>0.93 (0.52-1.67)</td>
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</tr>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths, No.</td>
<td>24</td>
<td>18</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.57 (0.27-1.18)</td>
<td>0.86 (0.45-1.67)</td>
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</tr>
<tr>
<td><strong>Cognitive impairment</strong></td>
<td></td>
<td></td>
<td></td>
<td>.682</td>
</tr>
<tr>
<td>Yes (MMSE &lt; 22)</td>
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<td></td>
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</tr>
<tr>
<td>Deaths, No.</td>
<td>33</td>
<td>21</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.64 (0.32-1.26)</td>
<td>0.81 (0.39-1.66)</td>
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</tr>
<tr>
<td>No (MMSE ≥ 22)</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Hazard ratios (95%CI) of 12-month All-cause Mortality According to Tertiles of Baseline Health Literacy, Stratified by Clinical Variables

95%CI, 95% confidence interval; HF, heart failure; HR, hazard ratio; MMSE, mini-mental state examination; NYHA, New York Heart Association functional class.

Analyses were adjusted for age (< 85, ≥ 85 years), sex (male, female), treatment group (intervention, no intervention), hospital (1, 2, 3, 4, 5, 6), NYHA grade (I-II, III-IV), left ventricular ejection fraction (< 45, ≥ 45%), atrial fibrillation (yes, no), serum hemoglobin (mg/dL), serum creatinine (mg/dL), depression (no, mild, severe), Katz index (continuous), Charlson index (continuous), depression (yes, no), MMSE (< 22, ≥ 22), hospitalization for HF in last year (yes, no), and education (unable to read or no formal education, less than primary, primary education or above). Stratification variables were excluded from the models.

<table>
<thead>
<tr>
<th></th>
<th>Lowest tertile (n = 207)</th>
<th>Second tertile (n = 195)</th>
<th>Highest tertile (n = 154)</th>
<th>P-value for interaction</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hospitalization for HF in the last year</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
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<td></td>
<td></td>
<td>.477</td>
</tr>
<tr>
<td>Deaths, No.</td>
<td>34</td>
<td>25</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.75 (0.42-1.32)</td>
<td>1.02 (0.59-1.77)</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths, No.</td>
<td>27</td>
<td>33</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>1.05 (0.56-1.97)</td>
<td>0.79 (0.40-1.53)</td>
<td></td>
</tr>
<tr>
<td><strong>Educational level</strong></td>
<td></td>
<td></td>
<td></td>
<td>.225</td>
</tr>
<tr>
<td><strong>Unable to read or no formal education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths, No.</td>
<td>26</td>
<td>22</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.95 (0.48-1.87)</td>
<td>0.73 (0.34-1.55)</td>
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</tr>
<tr>
<td><strong>Less than primary education</strong></td>
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</tr>
<tr>
<td>Deaths, No.</td>
<td>22</td>
<td>21</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.81 (0.41-1.60)</td>
<td>0.92 (0.45-1.88)</td>
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</tr>
<tr>
<td><strong>Primary education or above</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Deaths, No.</td>
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<td>13</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>HR (95%CI)</td>
<td>1 (Ref.)</td>
<td>0.76 (0.29-2.02)</td>
<td>1.12 (0.45-2.77)</td>
<td></td>
</tr>
</tbody>
</table>

Deaths, No. 27 33 41
HR (95%CI) 1 (Ref.) 0.73 (0.41-1.30) 0.85 (0.48-1.52)