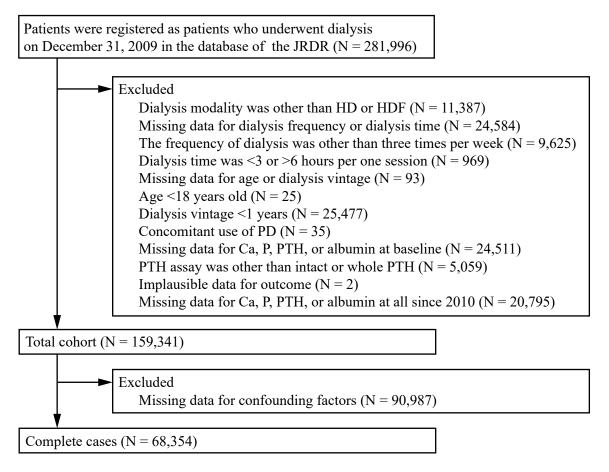
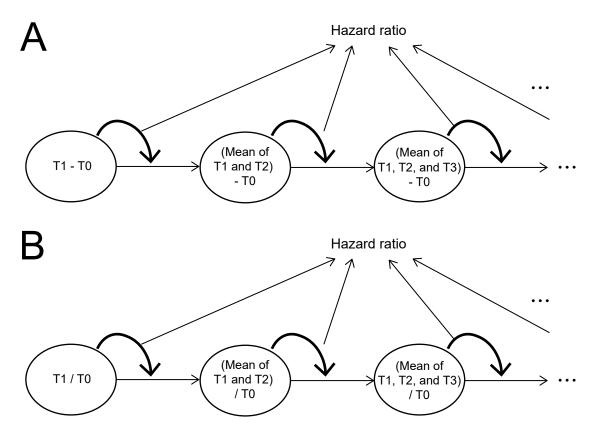
## **Supplementary materials**

## **Contents:**

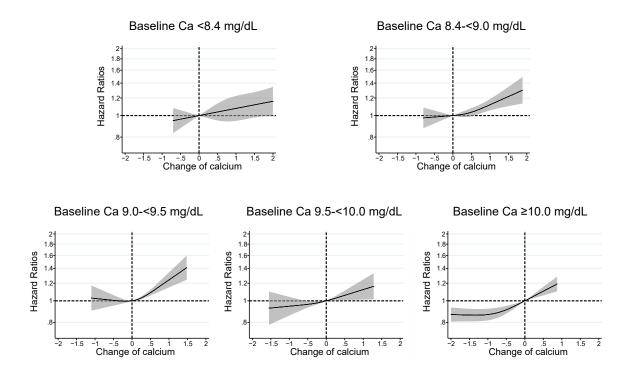
- **Figure S1.** Flow diagram. JRDR, the Japanese Society for Dialysis Therapy Renal Data Registry; HD, hemodialysis; HDF, hemodiafiltration; Ca, calcium; P, phosphate; PTH, parathyroid hormone.
- **Figure S2:** Outline of the analysis for (A) difference changes in calcium and phosphate and (B) percent changes in parathyroid hormone. T0, a value at baseline; T1, a value at one year after baseline; T2, a value at two years after baseline; T3, a value at three years after baseline.
- **Figure S3.** Relationship between changes in serum calcium (Ca) levels from baseline values and all-cause mortality.
- **Figure S4.** Relationship between changes in serum phosphate (P) levels from baseline values and all-cause mortality.
- **Figure S5.** Proportion of (A) all-cause death and (B) cardiovascular death in subgroups stratified by performance status (PS).
- **Figure S6.** Relationship of time-averaged (TA) serum calcium or phosphate levels with mortality due to heart failure in patients stratified by performance status (PS).
- **Figure S7.** Relationship between changes in serum phosphate levels and those in serum albumin levels in patients stratified by performance status (PS).
- **Figure S8.** Relationship between percent changes in serum intact parathyroid hormone (PTH) levels from baseline values and all-cause mortality.



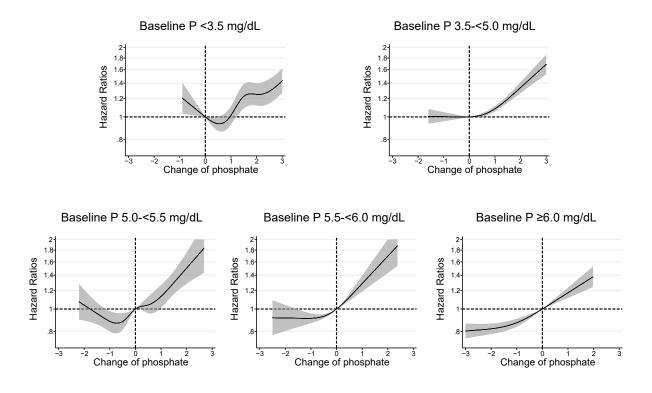
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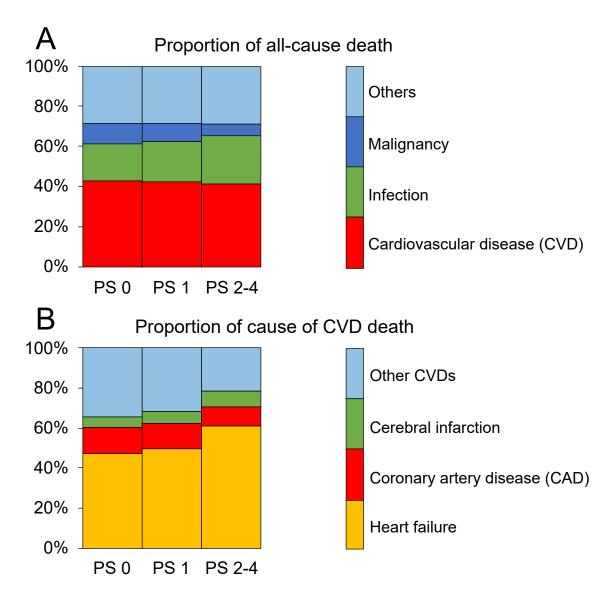
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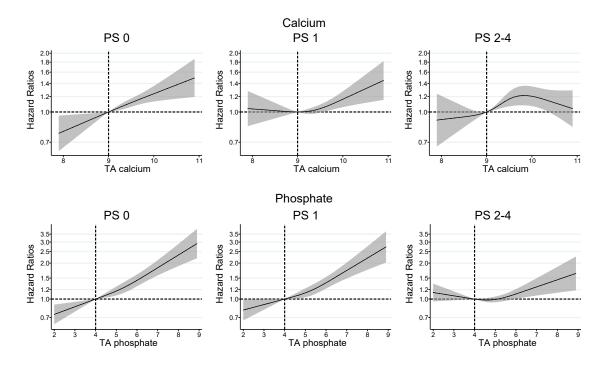
**Figure S3.** Relationship between changes in serum calcium (Ca) levels from baseline values and all-cause mortality.



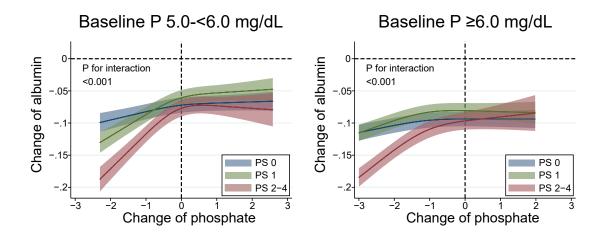
**Figure S4.** Relationship between changes in serum phosphate (P) levels from baseline values and all-cause mortality.



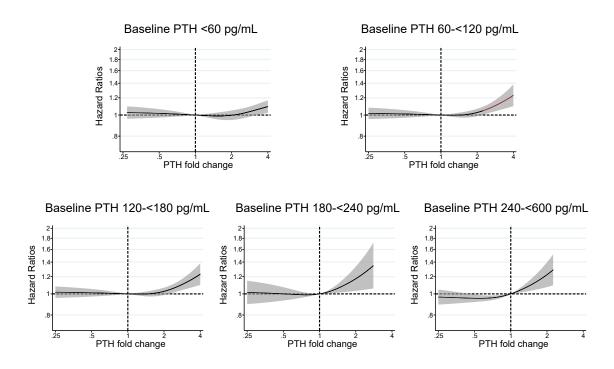
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**Figure S7.** Relationship between changes in serum phosphate levels and those in serum albumin levels in patients stratified by performance status (PS).



**Figure S8.** Relationship between percent changes in serum intact parathyroid hormone (PTH) levels from baseline values and all-cause mortality.