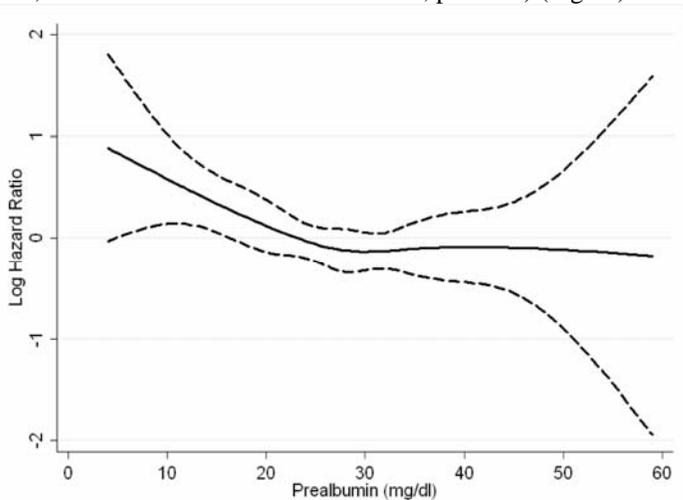


## Mortality Predictability of Serum Prealbumin in Maintenance Hemodialysis Patients in a 5-Year Cohort

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**Background:** Serum prealbumin may be a better surrogate of malnutrition and wasting than albumin in maintenance hemodialysis (MHD) patients. We examined the robustness of survival predictability of prealbumin after controlling for serum albumin and inflammatory markers. **Methods:** Survival analyses were conducted in the 5-year (2001-06) cohort of the *Nutritional and Inflammatory Evaluation in Dialysis* (NIED) Study. **Results:** In 798 MHD patients, aged  $54 \pm 15$  yrs, serum prealbumin ( $28 \pm 9$  mg/dL) was measured at baseline along with albumin ( $3.9 \pm 0.4$ ), C-reactive protein ( $6 \pm 7$  mg/L) and interleukin-6 ( $18 \pm 50$  pg/ml). In fully adjusted model, each 10 mg/dL decrease in prealbumin was associated with 24% increased death risk (hazard ratio: 1.24, 95% confidence interval: 1.01-1.50,  $p=0.036$ ) (Figure):



**Conclusions:** Mortality predictability of prealbumin persists after multivariate adjustment including for albumin and inflammation.