Older age and worse posture are correlated with lower quality of life in children with cancer.

**BACKGROUND**
Children with cancer are suffering. Less is known about age, sex, race. Measuring quality of life can be burdensome. Posture may be a biomarker of quality of life.

**METHODS**
Design
Cross-sectional secondary analysis of prospective data
Participants
98 children with cancer and parent proxy in the first year of treatment (age 3-17 years)
Measures
PedsQL 3.0 Cancer Module (parent & child)
Faces Scale (emotional reactions)
Inclinometer (to measure thoracic kyphosis)

**RESULTS**
No significant associations with sex, race, SES
Older children had worse QOL. Nausea and worry were the symptoms most strongly associated with poor QOL. Poorer posture was associated with worse QOL and sad faces.

**CONCLUSION**
Interventions could target older patients and symptoms of nausea and worry. Faces Scale and Posture may hold promise as readily obtained measures of QOL.