

Relationship Between Anthropometric Measurement and Reaches

P. R. Sumangala and N. Ogale

KEY WORD Horizontal. Reach. Work Surface Height. Elbow Height. Vertical Reach.

ABSTRACT Survey was conducted to record vertical horizontal reaches of women of Dharwad city in standing posture. Five hundred twenty six women aged between 18-50 years participated in the study. The results reflect that as the surface height is lowered there is more reduction in mean maximum horizontal reach. Reduction in one hand and two hand mean reaches on the surface of 8 cm below the elbow height was less obvious. But reach reduction was sizeable at 10 cm below elbow height surface. Therefore, work surface can be varied from elbow height to 5 cm below elbow height. Based on stepwise regression analysis stature has the close relationship with maximum two handed reach standing close to the wall.

Authors' Addresses: **P. R. Sumangala**, Associate Professor, Department of Family Resource Management, College of Rural Home Science, University of Agricultural Science, Dharwad 580 005 Karnataka, India

N. Ogale, Retired Professor, Department of Home Management, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, Gujarat, India