

## Nephro Project

The dataset record the result of a trial in which the effects of intravenous therapy on very young patients was assessed.

Young patients who need intravenous therapy could be given one of two fluid regimes – a low rate of infusion ( $F_{\text{fluid}} = 1$  in the dataset) or a high rate of infusion ( $F_{\text{fluid}} = 2$ ). Similarly the concentration of sodium in the infusion can be at a low ( $N_{\text{a}} = 1$ ) or high ( $N_{\text{a}} = 2$ ) level. Patients (indicated by `Patient` in the data set) are treated on four occasions, once with each possible treatment combination. The occasion on which a given combination is administered is recorded in `Period`. The outcome is a hormone level indicating how well the patient's kidneys are tolerating the therapy – this is recorded in `y`.