INSTRUCTIONS FOR THE RQI SOFTWARE

First, download the ZIP file containing the software at the following Web page:

      http://www.clevelandclinic.org/RQI

Start up the R software, and Install the package from the zip file with the following command:

```
install.packages("<<package directory>>/dalton.rqi_1.1.zip",
     repos=NULL)
```

This package depends on the R packages "Design" and "Hmisc". If these packages are not installed, install them using the command:

```
install.packages(c("Design","Hmisc"))
```

Once the package is installed into R, load the package like all other packages:

```
library(dalton.rqi)
```

To obtain risk estimates of the probability of postoperative 30-day composite major morbidity/mortality for a set of patients, use the function `rqi.major.morbidity`. This function has three inputs:

`cpt`	A vector of CPT codes as a length-5 character string.
`asa.status`	A vector of ASA physical status values as either a character string with possible values in `c("I", "II", "III", "IV", "V", "1", "2", "3", "4", "5")` or a numeric vector with possible values in `1:5`.
`hospitalization`	A character vector with possible values in `c("Inpatient","Outpatient")`.

See `help(rqi.major.morbidity)` for details.

To obtain risk estimates of the probability of postoperative 30-day mortality for a set of patients, use the function `rqi.mortality`. These functions also have three inputs:

`cpt`	A vector of CPT codes as a length-5 character string.
`asa.status`	A vector of ASA physical status values as either a character string with possible values in `c("I","II","III","IV","V","1","2","3","4","5")` or a numeric vector with possible values in `1:5`.

age   A numeric vector containing data for age in years.

See `help(rqi.mortality)` for details.

The procedural severity scores that are intermediately calculated for the risk models are stored in the objects `pss.mortality` and `pss.major.morbidity`. See `?pss.mortality` and `?pss.major.morbidity` for documentation.