**vtree** cheatsheet

vtree(FakeData,"Group Severity",sameline=TRUE,

text=list(Severity=c(Mild="\n\*or none\*")))

|  |  |
| --- | --- |
| Code | Meaning |
| \n | Line break |
| \*...\* | Italics |
| \*\*...\*\* | Bold |
| ^...^ | Superscript |
| ~...~ | Subscript |
| %%red ...%% | Make text red (or another color) |

|  |
| --- |
| Targeted text |
| ttext=list(Group=A,Severity=Moderate) |

Text

vtree(FakeData,"Category Group",sameline=TRUE,

**prune**=list(Category=c("single","double")))

vtree(FakeData,"Category Group",sameline=TRUE,

**prunebelow**=list(Category=c("single","double")))

vtree(FakeData,"Category Group",sameline=TRUE,

**keep**=list(Category=c("single","double")))

vtree(FakeData,"Category Group",sameline=TRUE,

**follow**=list(Category=c("single","double")))

Pruning

vtree(FakeData,"Severity Sex")

vtree(FakeData,"Group",horiz=FALSE)

vtree(FakeData,"Severity Sex",

showlegend=TRUE,sameline=TRUE)

Basics

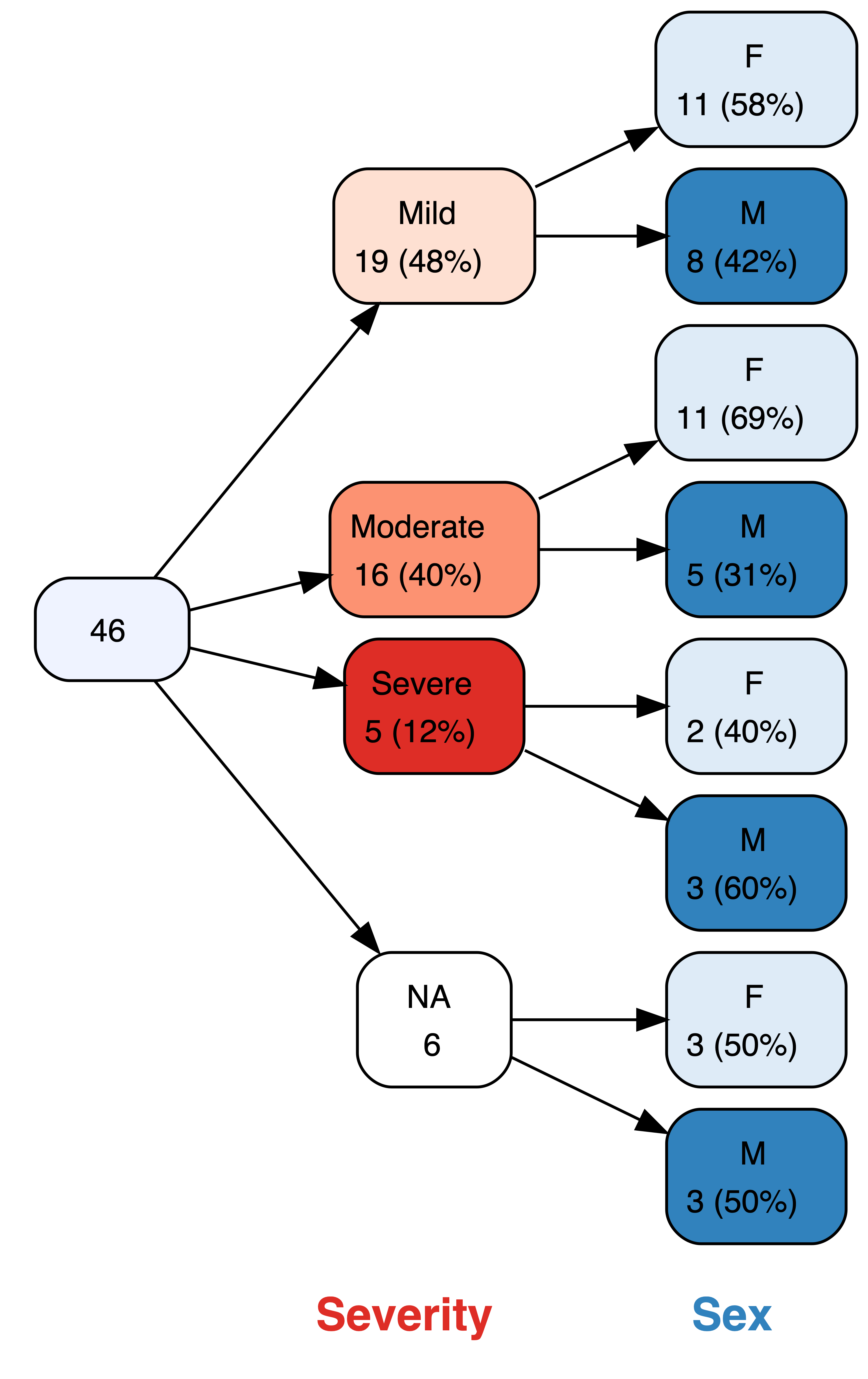
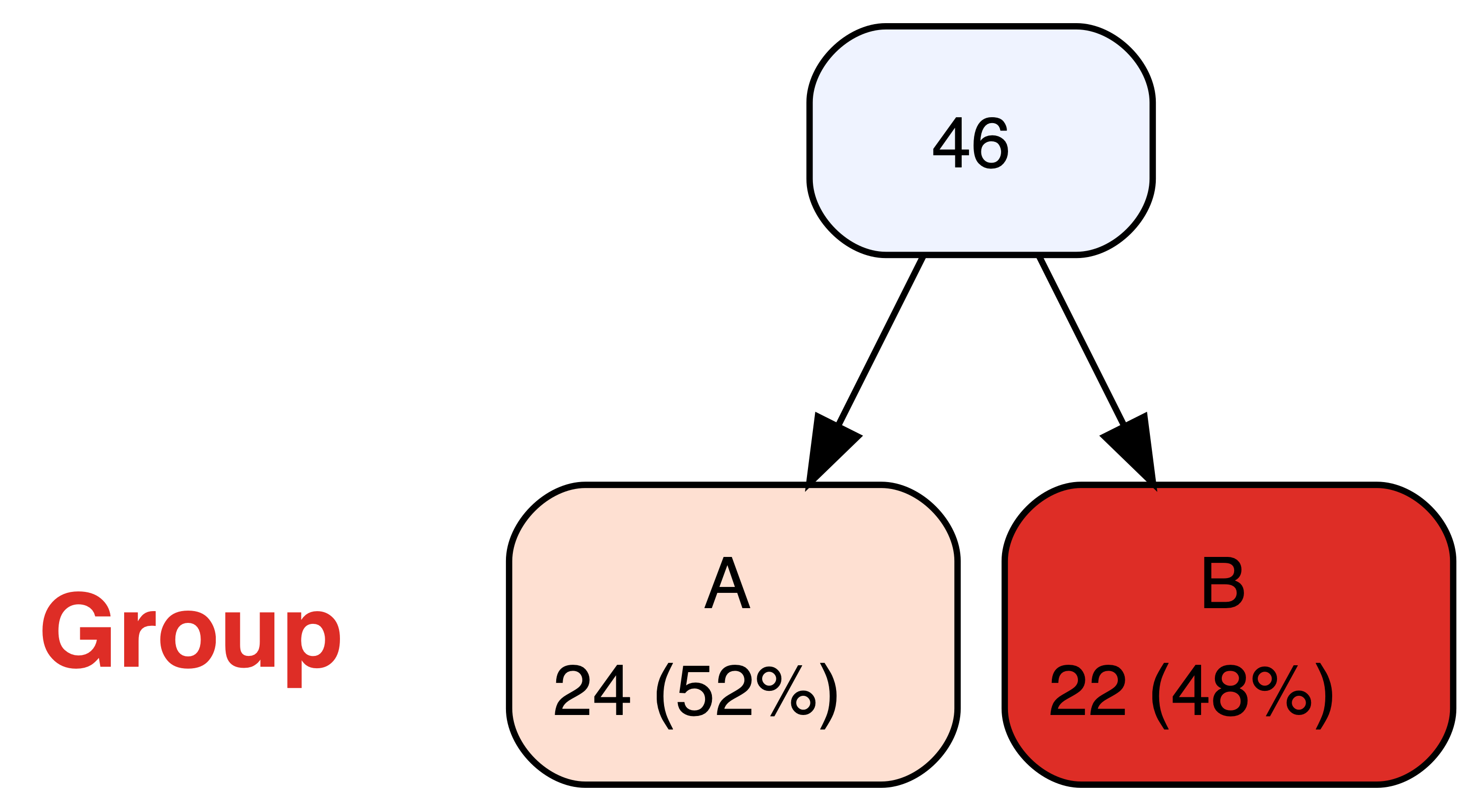
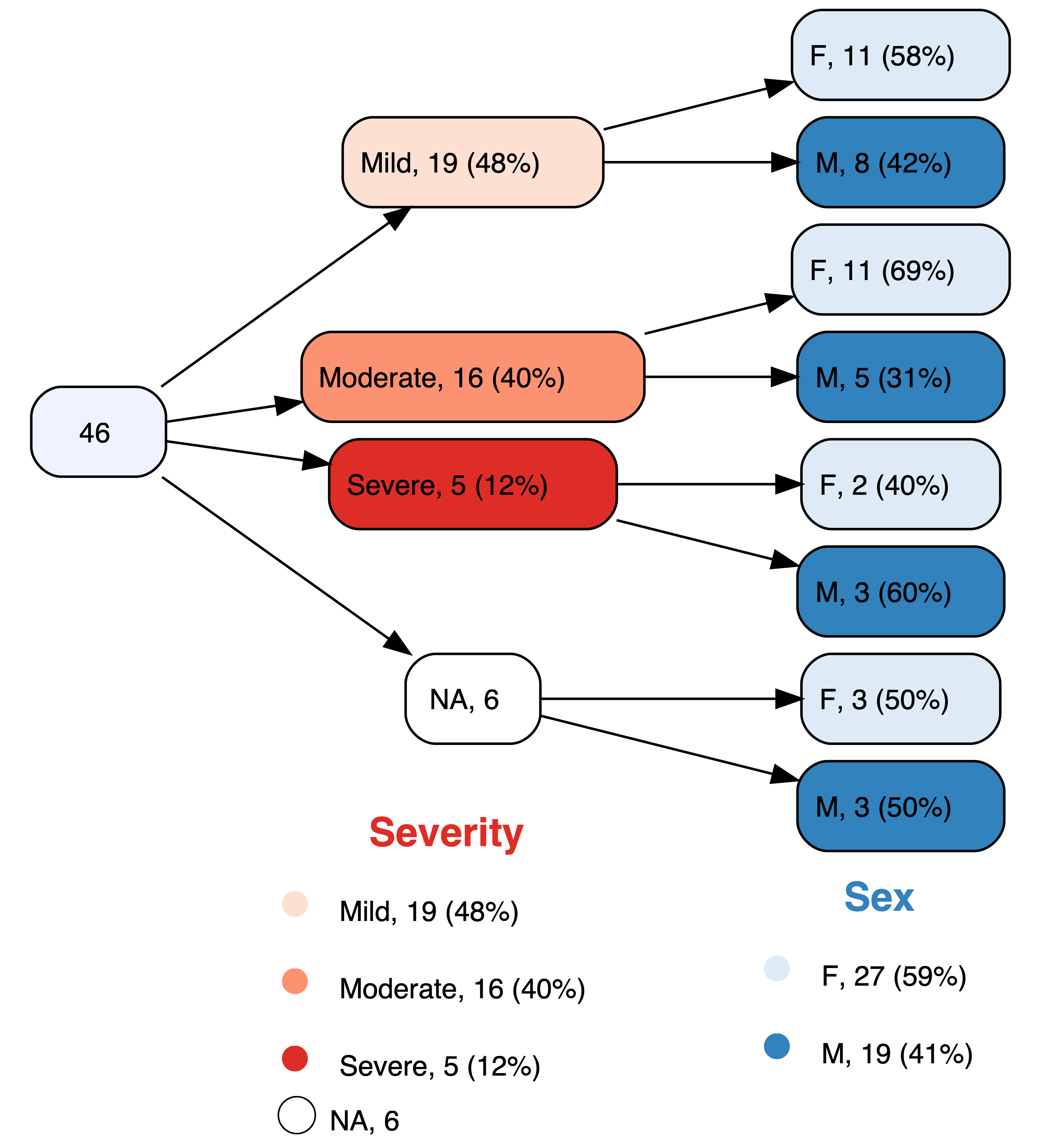
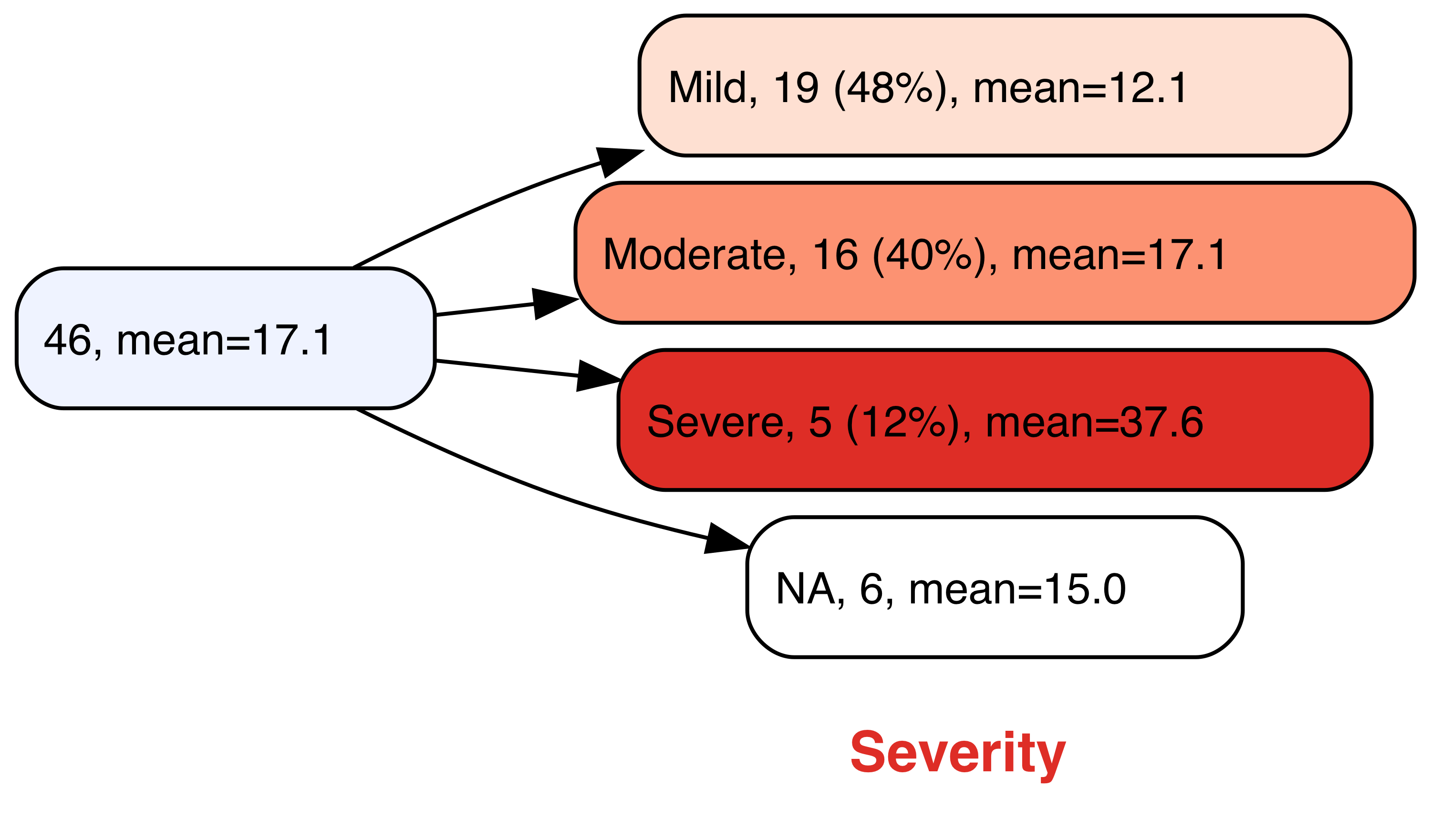
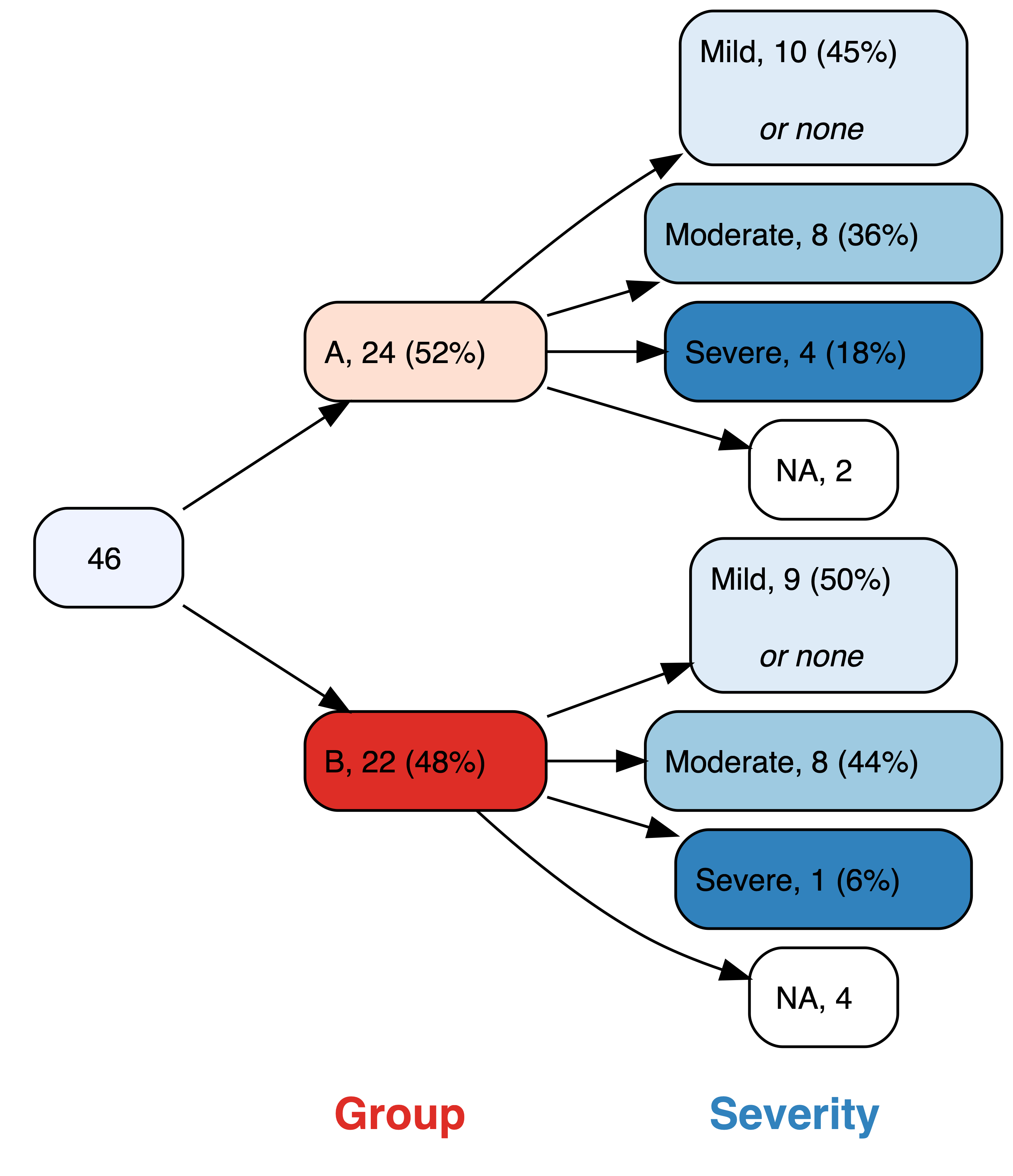
vtree(FakeData,"Severity",sameline=TRUE,

summary="Score , mean=%mean%")

|  |  |
| --- | --- |
| Code | Result |
| %mean% | mean |
| %SD% | standard deviation |
| %min% | minimum |
| %max% | maximum |
| %pX% | Xth percentile (e.g. p50 means the 50th percentile) |
| %median% | median, i.e. p50 |
| %IQR% | IQR, i.e. p25, p75 |
| %npct% | frequency and percentage |
| %pct% | just percentage |
| %list% | list of individual values, separated by commas |
| %listlines% | list of individual values, each on a separate line |
| %mv% | the number of missing values |

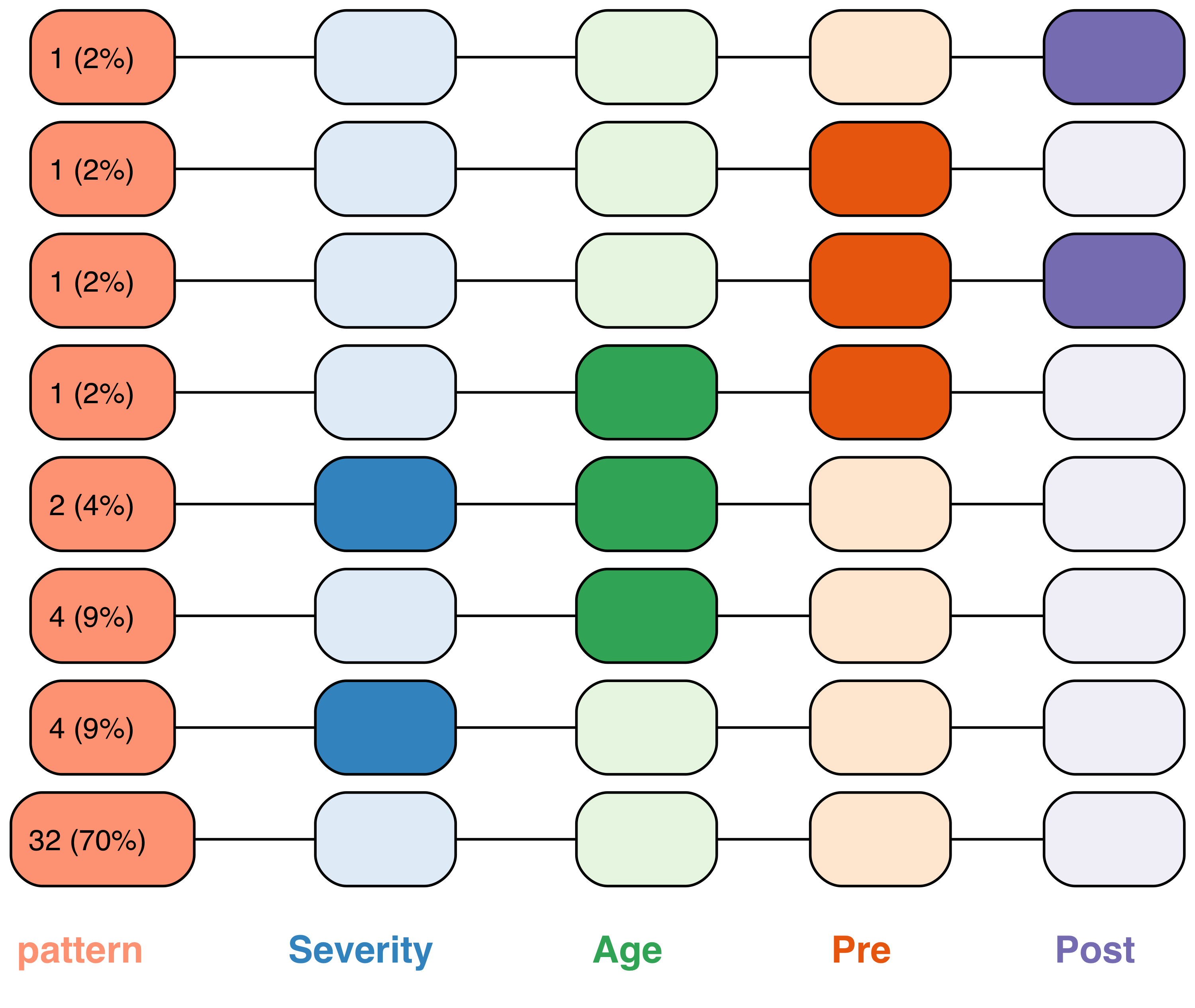
|  |  |
| --- | --- |
| Code | Summary information restricted to: |
| %noroot% | all nodes *except* the root |
| %leafonly% | leaf nodes |
| %var=*v*% | nodes of variable *v* |
| %node=*n*% | nodes named *n* |

summary parameter

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vtree(FakeData,"Severity Age Pre Post",check.is.na=TRUE)

Checking for missing values



|  |  |
| --- | --- |
| Parameter | Effect |
| prune | remove all specified nodes |
| prunebelow | remove all descendants |
| keep | retain only specified nodes |
| follow | retain only descendants of nodes |

|  |  |
| --- | --- |
| Parameter | Example |
| labelvar | labelvar=c(Severity="New label for Severity") |
| labelnode | labelnode=list(MyVar=c(New="Old",New2="Old2")) |
| tlabelnode | tlabelnode=list(c(Group="A",Sex="F",label="girl")) |

|  |  |
| --- | --- |
| **Parameter** | **Effect** |
| prune | remove all specified nodes |
| prunebelow | remove all descendants of the specified nodes |
| keep | retain only the specified nodes |
| follow | retain descendants of only the specified nodes |

Labeling

|  |
| --- |
| Parameter |
| title |
| Optional title for the root node. |
| ptable |
| Produce a pattern table? |
| showroot |
| Show the root node? |
| plain |
| Use "plain" shades-of-blue settings? |
| shownodelabels |
| Show node labels? |
| showvarnames |
| Show variable names? |
| varnamepointsize |
| Font size (points) for variable names |
| digits |
| # decimals to show in percentages |
| splitwidth |
| # characters before linebreak |
| lsplitwidth |
| splitwidth for legends |

Handy parameters

Variable specification modifiers

|  |  |
| --- | --- |
| Modifier | Effect in variable lists |
| prefix is.na: | replace variable with missing value indicator |
| prefix stem: | include all REDCap variables with stem |
| prefix tri: | in each node, use trichotomized variable |

|  |  |
| --- | --- |
| Modifier | Effect in variable lists or summary |
| variable=*VALUE* | dichotomize variable at *VALUE* |
| variable<*VALUE* | dichotomize variable below *VALUE* |
| variable>*VALUE* | dichotomize variable above *VALUE* |

|  |  |
| --- | --- |
| **Parameter** | **Effect** |
| prune | remove all specified nodes |
| prunebelow | remove all descendants of the specified nodes |
| keep | retain only the specified nodes |
| follow | retain descendants of only the specified nodes |

Learn more at **github.com/nbarrowman/vtree •** package version 1.4.0 **•** updated May 5, 2019