Table Shells - n is 560

Adam Jauregui

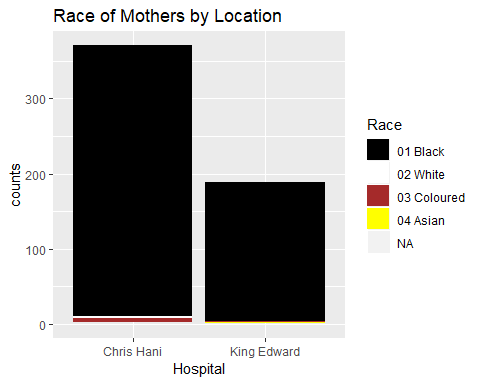
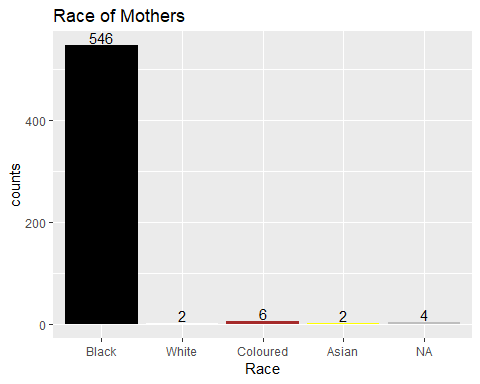
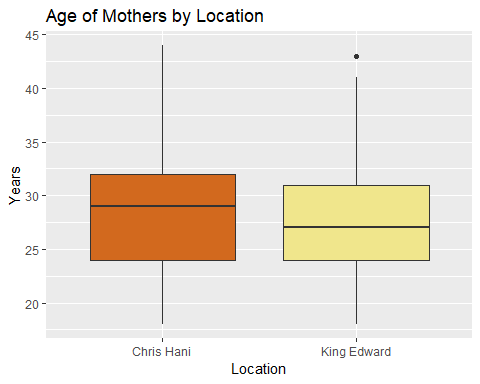
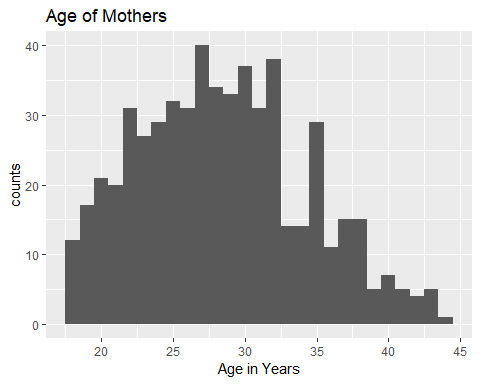
December 14, 2018

## Table 1 - Characteristics of Study Population

##   
## Overall   
## n 560   
## Age\_of\_Mother (mean (sd)) 28.39 (5.83)   
## Race (%)   
## 01 Black 546 (97.5)   
## 02 White 2 ( 0.4)   
## 03 Coloured 6 ( 1.1)   
## 04 Asian 2 ( 0.4)   
## NA 4 ( 0.7)   
## Gravidity (median [IQR]) 3.00 [2.00, 3.00]  
## Parity (median [IQR]) 1.00 [1.00, 2.00]  
## Gestation\_Age\_Weeks (mean (sd)) 15.43 (10.38)   
## Booking\_Status\_At\_Admission (%)   
## 01 Booked 116 (20.7)   
## 02 Unbooked 430 (76.8)   
## NA 14 ( 2.5)   
## Gestation\_Age\_Weeks\_Grouped (%)   
## <14 267 (47.7)   
## 14-25 182 (32.5)   
## >25 87 (15.5)   
## NA 24 ( 4.3)   
## Length\_of\_Stay (median [IQR]) 3.00 [2.00, 5.00]  
## Prenatal\_Visits (median [IQR]) 2.00 [1.00, 4.00]  
## Alive\_at\_Discharge (%)   
## 01 Yes 513 (91.6)   
## 02 No 2 ( 0.4)   
## NA 45 ( 8.0)

## Stratified by Location  
## Chris Hani King Edward   
## n 371 189   
## Age\_of\_Mother (mean (sd)) 28.82 (6.00) 27.54 (5.39)   
## Race (%)   
## 01 Black 361 (97.3) 185 (97.9)   
## 02 White 2 ( 0.5) 0 ( 0.0)   
## 03 Coloured 5 ( 1.3) 1 ( 0.5)   
## 04 Asian 0 ( 0.0) 2 ( 1.1)   
## NA 3 ( 0.8) 1 ( 0.5)   
## Gravidity (median [IQR]) 3.00 [2.00, 3.00] 2.00 [2.00, 3.00]  
## Parity (median [IQR]) 1.00 [1.00, 2.00] 1.00 [1.00, 2.00]  
## Gestation\_Age\_Weeks (mean (sd)) 15.30 (10.23) 15.72 (10.71)   
## Booking\_Status\_At\_Admission (%)   
## 01 Booked 71 (19.1) 45 (23.8)   
## 02 Unbooked 288 (77.6) 142 (75.1)   
## NA 12 ( 3.2) 2 ( 1.1)   
## Gestation\_Age\_Weeks\_Grouped (%)   
## <14 169 (45.6) 98 (51.9)   
## 14-25 143 (38.5) 39 (20.6)   
## >25 51 (13.7) 36 (19.0)   
## NA 8 ( 2.2) 16 ( 8.5)   
## Length\_of\_Stay (median [IQR]) 3.00 [2.00, 5.00] 4.00 [3.00, 7.00]  
## Prenatal\_Visits (median [IQR]) 2.00 [1.00, 3.00] 3.00 [2.00, 5.00]  
## Alive\_at\_Discharge (%)   
## 01 Yes 334 (90.0) 179 (94.7)   
## 02 No 0 ( 0.0) 2 ( 1.1)   
## NA 37 (10.0) 8 ( 4.2)

## Table 1 Plots



## Table 2

##   
## Overall   
## n 560   
## Blood\_Transfusion\_Rationale (%)   
## \_Anaesthetic 3 ( 0.5)   
## \_ChronicAnemia 53 ( 9.5)   
## \_ChronicAnemia \_Other 7 ( 1.2)   
## \_OBHemorrhage 156 (27.9)   
## \_OBHemorrhage \_Anaesthetic 1 ( 0.2)   
## \_OBHemorrhage \_ChronicAnemia 1 ( 0.2)   
## \_OBHemorrhage \_Other 16 ( 2.9)   
## \_OBHemorrhage \_Surgical 2 ( 0.4)   
## \_Other 166 (29.6)   
## \_Other \_Unknown 2 ( 0.4)   
## \_Surgical 58 (10.4)   
## \_Surgical \_ChronicAnemia 1 ( 0.2)   
## NA 94 (16.8)   
## Anemic\_Current\_Pregnancy (%)   
## 01 Yes 281 (50.2)   
## 02 No 43 ( 7.7)   
## 97 Unknown 138 (24.6)   
## NA 98 (17.5)   
## Anemia\_Etiology (%)   
## ChAnemia\_IronDef 52 ( 9.3)   
## ChAnemia\_VitB12Def 1 ( 0.2)   
## NA 507 (90.5)   
## Bleeding\_this\_Pregnancy (%)   
## 01 Yes 354 (63.2)   
## 02 No 163 (29.1)   
## 97 Unknown 4 ( 0.7)   
## NA 39 ( 7.0)   
## Hemorrhage\_Cause (%)   
## \_AnteHemorrhageNS 2 ( 0.4)   
## \_AnteHemorrhageNS \_Unknown 1 ( 0.2)   
## \_BleedDandC 1 ( 0.2)   
## \_BleedSalpingooph 11 ( 2.0)   
## \_BlledSalpingoopherectomy 2 ( 0.4)   
## \_CompleteAbort 17 ( 3.0)   
## \_CompleteAbort \_Other 1 ( 0.2)   
## \_EltopicPreg 78 (13.9)   
## \_EltopicPreg \_BleedingSurgProc 1 ( 0.2)   
## \_EltopicPreg \_BleedingSurgProc \_BleedSalpingooph 1 ( 0.2)   
## \_EltopicPreg \_BleedSalpingooph 27 ( 4.8)   
## \_EltopicPreg \_BlledSalpingoopherectomy 4 ( 0.7)   
## \_EltopicPreg \_IncompleteAbort 1 ( 0.2)   
## \_EltopicPreg \_IncompleteAbort \_BlledSalpingoopherectomy 1 ( 0.2)   
## \_EltopicPreg \_ThreatenedAbort 1 ( 0.2)   
## \_IncompleteAbort 202 (36.1)   
## \_IncompleteAbort \_AnteHemorrhageNS \_Unknown 1 ( 0.2)   
## \_IncompleteAbort \_BleedDandC 15 ( 2.7)   
## \_IncompleteAbort \_BleedDandC \_Other 2 ( 0.4)   
## \_IncompleteAbort \_BleedHysterectomy 1 ( 0.2)   
## \_IncompleteAbort \_BleedHysterotomy 1 ( 0.2)   
## \_IncompleteAbort \_BleedingSurgProc \_BleedHysterectomy \_Other 1 ( 0.2)   
## \_IncompleteAbort \_BleedingSurgProc \_Other 1 ( 0.2)   
## \_IncompleteAbort \_CompleteAbort 6 ( 1.1)   
## \_IncompleteAbort \_Other 2 ( 0.4)   
## \_Other 13 ( 2.3)   
## \_PlacentalAbruption 2 ( 0.4)   
## \_PlacentalAbruption \_IncompleteAbort 1 ( 0.2)   
## \_PlacentalAbruption \_Other 1 ( 0.2)   
## \_PlacentalAbruption \_ThreatenedAbort 1 ( 0.2)   
## \_PlacentaPrevia 3 ( 0.5)   
## \_PlacentaPrevia \_IncompleteAbort \_BleedDandC 1 ( 0.2)   
## \_ThreatenedAbort 12 ( 2.1)   
## \_ThreatenedAbort \_AnteHemorrhageNS \_Other 1 ( 0.2)   
## \_ThreatenedAbort \_BleedDandC 10 ( 1.8)   
## \_ThreatenedAbort \_IncompleteAbort 3 ( 0.5)   
## \_ThreatenedAbort \_IncompleteAbort \_BleedDandC 3 ( 0.5)   
## \_ThreatenedAbort \_Other 2 ( 0.4)   
## \_Unknown 1 ( 0.2)   
## NA 125 (22.3)

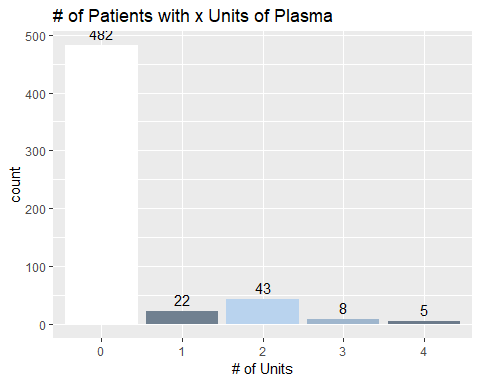
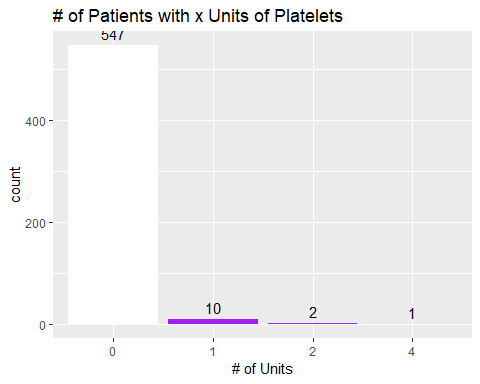
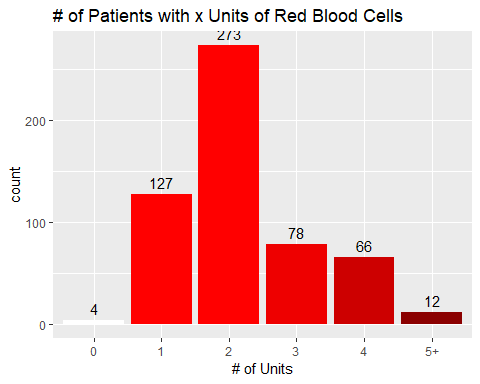
## Table 3

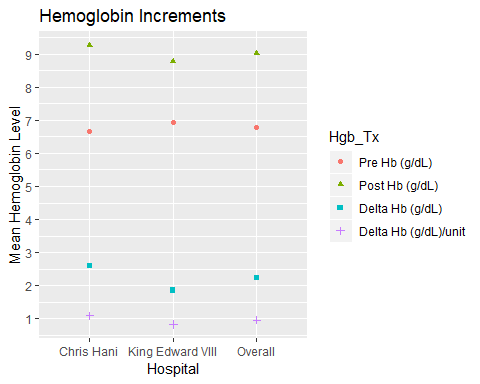
##   
## Overall   
## n 560   
## Complications\_this\_Pregnancy (%)   
## 01 Yes 389 (69.5)   
## 02 No 118 (21.1)   
## 97 Unknown 4 ( 0.7)   
## NA 49 ( 8.8)   
## Type\_of\_Complications\_this\_Pregnancy (%)   
## \_GestroProrteinuricHn 5 ( 0.9)   
## \_GestroProrteinuricHn \_IntrauterineDeath \_Other 1 ( 0.2)   
## \_GestroProrteinuricHn \_MultiplePregs \_Other 1 ( 0.2)   
## \_GestroProrteinuricHn \_Other 4 ( 0.7)   
## \_IntrauterineDeath 7 ( 1.2)   
## \_IntrauterineDeath \_Other 1 ( 0.2)   
## \_Malposition 21 ( 3.8)   
## \_MultiplePregs 3 ( 0.5)   
## \_MultiplePregs \_Other 5 ( 0.9)   
## \_Other 273 (48.8)   
## \_Other \_Unknown 2 ( 0.4)   
## \_PlacentaPrevia 2 ( 0.4)   
## \_PlacentaPrevia \_Other 2 ( 0.4)   
## \_ThreatenedAbort 45 ( 8.0)   
## \_ThreatenedAbort \_IntrauterineDeath 2 ( 0.4)   
## \_ThreatenedAbort \_Other 2 ( 0.4)   
## \_Unknown 3 ( 0.5)   
## NA 181 (32.3)   
## Complications\_this\_Admission (%)   
## 01 Yes 480 (85.7)   
## 02 No 63 (11.2)   
## NA 17 ( 3.0)   
## Type\_of\_Complications\_this\_Admission (%)   
## \_LocalSepsis 4 ( 0.7)   
## \_Other 13 ( 2.3)   
## \_Renal 2 ( 0.4)   
## \_SymptAnaemia 423 (75.5)   
## \_SymptAnaemia \_Cardiovascular \_Respiratory \_Other 1 ( 0.2)   
## \_SymptAnaemia \_Hepatic 1 ( 0.2)   
## \_SymptAnaemia \_LocalSepsis 5 ( 0.9)   
## \_SymptAnaemia \_LocalSepsis \_Other 1 ( 0.2)   
## \_SymptAnaemia \_Other 25 ( 4.5)   
## \_SymptAnaemia \_Renal 1 ( 0.2)   
## \_SymptAnaemia \_Respiratory 1 ( 0.2)   
## \_SystemicSepsis 1 ( 0.2)   
## NA 82 (14.6)

## Table 4 - Miscellaneous

##   
## Overall   
## n 560   
## Previous\_Transfusion (%)   
## 01 Yes 38 ( 6.8)   
## 02 No 506 (90.4)   
## 97 Unknown 7 ( 1.2)   
## NA 9 ( 1.6)   
## Previous\_Transfusion\_When (%)   
## 01 DuringCurrentPregnancy 19 ( 3.4)   
## 02 DuringPreviousPregnancy 17 ( 3.0)   
## 03 ForANonObstetricReason 10 ( 1.8)   
## NA 514 (91.8)   
## Anemia\_Treatment (%)   
## 01 Yes 114 (20.4)   
## 02 No 290 (51.8)   
## 97 Unknown 42 ( 7.5)   
## NA 114 (20.4)   
## Who\_Ordered\_Transfusion (%)   
## 02 MedicalOfficer 1 ( 0.2)   
## 03 Registrar 417 (74.5)   
## 04 ObGynConsultant 108 (19.3)   
## 06 Critical Care 1 ( 0.2)   
## 97 Unknown 12 ( 2.1)   
## NA 21 ( 3.8)   
## Patient\_Transfused\_Where (%)   
## 01 ReferringInstitution 19 ( 3.4)   
## 02 CurrentInstitution 493 (88.0)   
## NA 48 ( 8.6)   
## Where\_Patient\_Transfused\_Start (%)   
## 01 Antenatal 83 (14.8)   
## 02 Labour 4 ( 0.7)   
## 03 Postnatal 33 ( 5.9)   
## 04 Theatre 143 (25.5)   
## 09 Outpatient 23 ( 4.1)   
## 10 Other 216 (38.6)   
## NA 58 (10.4)   
## PreTransfusion\_Hemoglobin (mean (sd)) 6.88 (1.89)   
## Hemoglobin\_Method\_Used (%)   
## 01 FBC 311 (55.5)   
## 02 Blood 10 ( 1.8)   
## 03 Gas 201 (35.9)   
## 04 PointOfCare 2 ( 0.4)   
## 05 Other 18 ( 3.2)   
## 97 Unknown 6 ( 1.1)   
## NA 12 ( 2.1)   
## Where\_Results\_Obtained\_Before\_Transfusion (%)   
## 01 Yes 375 (67.0)   
## 02 No 12 ( 2.1)   
## 97 Unknown 12 ( 2.1)   
## NA 161 (28.7)

## Figure 1. Bar graphs of blood products administered





## Crosstabs: Q6.2 (anemic curr.) and Q6.5 (med. rationale)

aim3\_chki.tx.conf$Hemorrhage<-aim3\_chki.tx.conf$ATF\_MedicalRationaleForTx  
aim3\_chki.tx.conf$Hemorrhage<-gsub(  
 ".\*Hemorrhage.\*","Hemorrhage",aim3\_chki.tx.conf$Hemorrhage)  
aim3\_chki.tx.conf$Hemorrhage<-ifelse(  
 aim3\_chki.tx.conf$Hemorrhage=="Hemorrhage","Hemorrhage",  
 ifelse(aim3\_chki.tx.conf$Hemorrhage=="NA","NA","Not Hemorrhage"))  
summary(freqlist(table(aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg,  
 aim3\_chki.tx.conf$Hemorrhage,  
 useNA = "ifany"),  
 labelTranslations = c("Anemic Curr. Preg.",  
 "Bleeding This Preg.")))

##   
##   
## |Anemic Curr. Preg. |Bleeding This Preg. | Freq| cumFreq| freqPercent| cumPercent|  
## |:------------------|:-------------------|----:|-------:|-----------:|----------:|  
## |01 Yes |Hemorrhage | 63| 63| 11.25| 11.25|  
## | |Not Hemorrhage | 193| 256| 34.46| 45.71|  
## | |NA | 25| 281| 4.46| 50.18|  
## |02 No |Hemorrhage | 28| 309| 5.00| 55.18|  
## | |Not Hemorrhage | 7| 316| 1.25| 56.43|  
## | |NA | 8| 324| 1.43| 57.86|  
## |97 Unknown |Hemorrhage | 28| 352| 5.00| 62.86|  
## | |Not Hemorrhage | 71| 423| 12.68| 75.54|  
## | |NA | 39| 462| 6.96| 82.50|  
## |NA |Hemorrhage | 57| 519| 10.18| 92.68|  
## | |Not Hemorrhage | 19| 538| 3.39| 96.07|  
## | |NA | 22| 560| 3.93| 100.00|

## Crosstabs: Q6.2 (anemic curr.) and Q5.1a (bleeding this preg.)

summary(freqlist(table(aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg,  
 aim3\_chki.tx.conf$ATF\_BleedingThisPreg,  
 useNA = "ifany"),  
 labelTranslations = c("Anemic Curr. Preg.",  
 "Bleeding This Preg.")))

##   
##   
## |Anemic Curr. Preg. |Bleeding This Preg. | Freq| cumFreq| freqPercent| cumPercent|  
## |:------------------|:-------------------|----:|-------:|-----------:|----------:|  
## |01 Yes |01 Yes | 163| 163| 29.11| 29.11|  
## | |02 No | 110| 273| 19.64| 48.75|  
## | |97 Unknown | 1| 274| 0.18| 48.93|  
## | |NA | 7| 281| 1.25| 50.18|  
## |02 No |01 Yes | 27| 308| 4.82| 55.00|  
## | |02 No | 11| 319| 1.96| 56.96|  
## | |97 Unknown | 2| 321| 0.36| 57.32|  
## | |NA | 3| 324| 0.54| 57.86|  
## |97 Unknown |01 Yes | 111| 435| 19.82| 77.68|  
## | |02 No | 21| 456| 3.75| 81.43|  
## | |97 Unknown | 1| 457| 0.18| 81.61|  
## | |NA | 5| 462| 0.89| 82.50|  
## |NA |01 Yes | 53| 515| 9.46| 91.96|  
## | |02 No | 21| 536| 3.75| 95.71|  
## | |NA | 24| 560| 4.29| 100.00|

## Crosstabs: anemic.and.bleeding with Q5.1a (bleeding) and Q6.2 (anemic curr. preg.)

#new group variable  
aim3\_chki.tx.conf$anemic.and.bleeding<-NA  
aim3\_chki.tx.conf$anemic.and.bleeding<-as.character(  
 aim3\_chki.tx.conf$anemic.and.bleeding  
)  
aim3\_chki.tx.conf$anemic.and.bleeding[  
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg=="01 Yes" &   
 aim3\_chki.tx.conf$ATF\_BleedingThisPreg=="01 Yes"  
 ]<-"Both"  
aim3\_chki.tx.conf$anemic.and.bleeding[  
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg=="02 No" |   
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg=="97 Unknown" |   
 is.na(aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg) &   
 aim3\_chki.tx.conf$ATF\_BleedingThisPreg=="01 Yes"  
 ]<-"Bleeding\_Only"  
aim3\_chki.tx.conf$anemic.and.bleeding[  
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg=="01 Yes" &   
 aim3\_chki.tx.conf$ATF\_BleedingThisPreg=="02 No"  
 ]<-"Anemia\_Only"  
aim3\_chki.tx.conf$anemic.and.bleeding[  
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg=="02 No" |   
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg=="97 Unknown" |   
 is.na(aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg) &   
 aim3\_chki.tx.conf$ATF\_BleedingThisPreg=="02 No"  
 ]<-"Neither"  
#anemic.and.bleeding with Q5.1a (bleeding) and Q6.2 (anemic curr. preg.)  
bleeding.this.preg.nona<-aim3\_chki.tx.conf$ATF\_BleedingThisPreg  
bleeding.this.preg.nona[bleeding.this.preg.nona=="97 Unknown"]<-NA  
summary(freqlist(table(aim3\_chki.tx.conf$anemic.and.bleeding,  
 bleeding.this.preg.nona),  
 labelTranslations = c("Anemic\*Bleeding",  
 "Bleeding this Preg.")))

##   
##   
## |Anemic\*Bleeding |Bleeding this Preg. | Freq| cumFreq| freqPercent| cumPercent|  
## |:---------------|:-------------------|----:|-------:|-----------:|----------:|  
## |Anemia\_Only |02 No | 110| 110| 21.28| 21.28|  
## |Bleeding\_Only |01 Yes | 53| 163| 10.25| 31.53|  
## |Both |01 Yes | 163| 326| 31.53| 63.06|  
## |Neither |01 Yes | 138| 464| 26.69| 89.75|  
## | |02 No | 53| 517| 10.25| 100.00|

summary(freqlist(table(aim3\_chki.tx.conf$anemic.and.bleeding,  
 aim3\_chki.tx.conf$ATF\_IdAnemicDuringCurrPreg),  
 labelTranslations = c("Anemic\*Bleeding",  
 "Anemic Curr. Preg.")))

##   
##   
## |Anemic\*Bleeding |Anemic Curr. Preg. | Freq| cumFreq| freqPercent| cumPercent|  
## |:---------------|:------------------|----:|-------:|-----------:|----------:|  
## |Anemia\_Only |01 Yes | 110| 110| 24.23| 24.23|  
## |Both |01 Yes | 163| 273| 35.90| 60.13|  
## |Neither |02 No | 43| 316| 9.47| 69.60|  
## | |97 Unknown | 138| 454| 30.40| 100.00|

## Crosstabs: Q6.5 (blood tx. rationale) and new group variabl

anemic.and.bleeding.nona<-subset(  
 aim3\_chki.tx.conf,!(is.na(anemic.and.bleeding))  
)  
summary(freqlist(table(anemic.and.bleeding.nona$anemic.and.bleeding,  
 anemic.and.bleeding.nona$ATF\_MedicalRationaleForTx,  
   
 useNA = "ifany"),  
 labelTranslations = c("Anemic\*Bleeding",  
 "Med. Rationale Tx.")))

##   
##   
## |Anemic\*Bleeding |Med. Rationale Tx. | Freq| cumFreq| freqPercent| cumPercent|  
## |:---------------|:-----------------------------|----:|-------:|-----------:|----------:|  
## |Anemia\_Only |\_ChronicAnemia | 45| 45| 8.52| 8.52|  
## | |\_ChronicAnemia \_Other | 5| 50| 0.95| 9.47|  
## | |\_OBHemorrhage | 3| 53| 0.57| 10.04|  
## | |\_OBHemorrhage \_Other | 2| 55| 0.38| 10.42|  
## | |\_OBHemorrhage \_Surgical | 2| 57| 0.38| 10.80|  
## | |\_Other | 25| 82| 4.73| 15.53|  
## | |\_Surgical | 8| 90| 1.52| 17.05|  
## | |\_Surgical \_ChronicAnemia | 1| 91| 0.19| 17.23|  
## | |NA | 19| 110| 3.60| 20.83|  
## |Bleeding\_Only |\_OBHemorrhage | 36| 146| 6.82| 27.65|  
## | |\_OBHemorrhage \_Other | 2| 148| 0.38| 28.03|  
## | |\_Other | 6| 154| 1.14| 29.17|  
## | |\_Surgical | 1| 155| 0.19| 29.36|  
## | |NA | 8| 163| 1.52| 30.87|  
## |Both |\_ChronicAnemia | 5| 168| 0.95| 31.82|  
## | |\_OBHemorrhage | 49| 217| 9.28| 41.10|  
## | |\_OBHemorrhage \_ChronicAnemia | 1| 218| 0.19| 41.29|  
## | |\_OBHemorrhage \_Other | 3| 221| 0.57| 41.86|  
## | |\_Other | 85| 306| 16.10| 57.95|  
## | |\_Other \_Unknown | 2| 308| 0.38| 58.33|  
## | |\_Surgical | 14| 322| 2.65| 60.98|  
## | |NA | 4| 326| 0.76| 61.74|  
## |Neither |\_Anaesthetic | 2| 328| 0.38| 62.12|  
## | |\_ChronicAnemia | 2| 330| 0.38| 62.50|  
## | |\_ChronicAnemia \_Other | 2| 332| 0.38| 62.88|  
## | |\_OBHemorrhage | 53| 385| 10.04| 72.92|  
## | |\_OBHemorrhage \_Anaesthetic | 1| 386| 0.19| 73.11|  
## | |\_OBHemorrhage \_Other | 6| 392| 1.14| 74.24|  
## | |\_Other | 46| 438| 8.71| 82.95|  
## | |\_Surgical | 35| 473| 6.63| 89.58|  
## | |NA | 55| 528| 10.42| 100.00|