PSBMD \* \* 298 LINES, (total 12861, comments 2165) BYTES Page 1

RSUM: old 24228791, new 132694721

UCI: VISTA,ROU Site: TEST.DNSENNEURLMAY 10,2017@07:13

1 PSBMD ;BIRMINGHAM/EFC - BCMA MISSING DOSE FUNCTIONS ; 5/8/17 2:56pm

2 ;;3.0;BAR CODE MED ADMIN;\*\*23,42,70,100\*\*;Mar 2004;Build 101

3 ;

4 ; Reference/IA

5 ; ^DIC(42/10039

6 ; ^DPT(/10035

7 ; IN5^VADPT/10061

8 ; DEM^VADPT/10061

9 ; ^XMB/10070

10 ; 52.6/436

11 ; 52.7/437

12 ;

13 ;\*70 - add new kernel variable for CO Missing Dose Printer.

14 ; use Clinc name if passed in for the new field Clinic or

15 ; assume Ward and get ien.

16 ;

17 RPC(RESULTS,PSBDFN,PSBDRUG,PSBDOSE,PSBRSN,PSBADMIN,PSBNEED,PSBUID,PSBON,PSBSCHD,PSBCLIN,PSBCLNIEN) --

;

18 ;

19 ; RPC: PSB SUBMIT MISSING DOSE

20 ;

21 ; Description:

22 ; Allows the client to submit a missing dose interactively

23 ;

24 N DFN,PSBNOW,PSBFDA,PSBIENS,PSBMD,PSBMSG

25 S PSBCLNIEN=+$G(PSBCLNIEN) ;\*70 insure numeric

26 D NEW(.PSBMD)

27 I +PSBMD(0)<1 S RESULTS(0)="-1^Unable to create missing dose request" Q

28 S PSBIENS=+PSBMD(0)\_","

29 D NOW^%DTC S PSBNOW=%

30 S PSBFDA(53.68,PSBIENS,.02)=PSBNOW

31 S PSBFDA(53.68,PSBIENS,.03)=DUZ

32 S PSBFDA(53.68,PSBIENS,.04)=DUZ(2)

33 S PSBFDA(53.68,PSBIENS,.11)=PSBDFN

34 ; Ward or Clinic - use Clinic name if passed, else get Ward ien. \*70

35 I PSBCLIN]"" D

36 .S PSBFDA(53.68,PSBIENS,1)=PSBCLNIEN

37 E D

38 .S X=$G(^DPT(PSBDFN,.1))

39 .I X]"" S X=$O(^DIC(42,"B",X,0)) S:X PSBFDA(53.68,PSBIENS,.12)=X

40 .S DFN=PSBDFN D IN5^VADPT S PSBFDA(53.68,PSBIENS,.18)=$P(VAIP(6),U,1)

41 S PSBFDA(53.68,PSBIENS,.13)=PSBDRUG

42 S PSBFDA(53.68,PSBIENS,.14)=PSBDOSE

43 S PSBFDA(53.68,PSBIENS,.15)=PSBRSN

44 S PSBFDA(53.68,PSBIENS,.16)=PSBADMIN

45 S PSBFDA(53.68,PSBIENS,.17)=PSBNEED

46 S PSBFDA(53.68,PSBIENS,.19)=PSBSCHD

47 S PSBFDA(53.68,PSBIENS,.25)=PSBUID

48 D FILE^DIE("","PSBFDA","PSBMSG")

49 L +^PSB(53.68,+PSBIENS):$S($G(DILOCKTM)>0:DILOCKTM,1:3) ; PSB\*3\*23

50 I $G(PSBUID)'="" D

51 .D PSJ1^PSBVT(PSBDFN,PSBON) K PSBADA,PSBSOLA

52 .I '$D(PSBUIDA(PSBUID)) F D PSJ1^PSBVT(PSBDFN,PSBPONX) K PSBADA,PSBSOLA Q:$D(PSBUIDA(PSBUID)) Q:PSBPONX=""

53 .F I=1:1 S PSBAD=$P(PSBUIDA(PSBUID),U,I) Q:PSBAD="" I PSBAD["ADD" S PSBADA($P(PSBAD,";",2))=""

54 .I $D(PSBADA) S X="" F I=1:1 S X=$O(PSBADA(X)) Q:X="" S PSBFDA(53.686,I\_","\_PSBIENS,.01)=X,^PSB(53.68,+PSBIENS,.

6,I,0)=I

55 .F I=1:1 S PSBSOL=$P(PSBUIDA(PSBUID),U,I) Q:PSBSOL="" I PSBSOL["SOL" S PSBSOLA($P(PSBSOL,";",2))=""

56 .I $D(PSBSOLA) S X="" F I=1:1 S X=$O(PSBSOLA(X)) Q:X="" S PSBFDA(53.687,I\_","\_PSBIENS,.01)=X,^PSB(53.68,+PSBIENS

,.7,I,0)=I

57 I $G(PSBUID)="",$G(PSBDRUG)="" D

58 .D PSJ1^PSBVT(PSBDFN,PSBON)

59 .I $D(PSBADA) S X="" F I=1:1 S X=$O(PSBADA(X)) Q:X="" S PSBFDA(53.686,I\_","\_PSBIENS,.01)=$P(PSBADA(X),U,2),^PSB(

53.68,+PSBIENS,.6,I,0)=X

60 .I $D(PSBSOLA) S X="" F I=1:1 S X=$O(PSBSOLA(X)) Q:X="" S PSBFDA(53.687,I\_","\_PSBIENS,.01)=$P(PSBSOLA(X),U,2),^P

SB(53.68,+PSBIENS,.7,I,0)=X

61 D FILE^DIE("","PSBFDA","PSBMSG")

62 L -^PSB(53.68,+PSBIENS) ; PSB83\*23

63 D SUBMIT(+PSBIENS)

64 S RESULTS(0)="1^Missing Dose Submitted^"\_+PSBIENS

65 D CLEAN^PSBVT

66 Q

67 ;

68 XQ ; Called via Kernel Menus

69 N PSBMD,PSBSAVE,DA,DIK,DR,DDSFILE,XMY,XMTEXT,XMSUB

70 D NEW(.PSBMD)

71 I +PSBMD(0)<1 W !,"Error: ",$P(PSBMD(0),U,2) S DIR(0)="E" D ^DIR Q

72 S DA=+PSBMD(0),DR="[PSB MISSING DOSE REQUEST]",DDSFILE=53.68 D ^DDS

73 W @IOF

74 I 'PSBSAVE W !,"Cancelling Request..." S DIK="^PSB(53.68," D ^DIK W "Cancelled!"

75 D:PSBSAVE SUBMIT(DA)

76 Q

77 ;

78 SUBMIT(DA) --

; Submit Request to Pharmacy

79 N PSBWRD,PSBMG,PSBPRT,CLIEN

80 S PSBWRD=$P(^PSB(53.68,DA,.1),U,2)

81 S PSBWRD=+$G(^DIC(42,+PSBWRD,44))

82 I PSBCLIN]"" S CLIEN=+$O(^PS(53.46,"B",PSBCLNIEN,""))

83 ;

84 ; Get Mail Group

85 ;

86 S PSBMG=$$GET^XPAR(PSBWRD\_";SC(","PSB MG MISSING DOSE",,"E")

87 S:PSBMG="" PSBMG=$$GET^XPAR("DIV","PSB MG MISSING DOSE",,"E")

88 S $P(^PSB(53.68,DA,0),U,5)=PSBMG ; Add MG to notification

89 ;

90 ; Get Printer - If NO printer can be found, then DO NOT print!!

91 ;\*70 - get CO printer if Clinic orders, else IM med & get IM printer

92 ; IM printer uses Variable PSB PRINTER MISSING DOSE

93 ; CO printer can come from 3 sources:

94 ; 1st from Clinic Defintion file for the specific Clinic if defined

95 ; 2nd from the Variable PSB PRINTER CO MISSING DOSE if defined

96 ; 3rd just use the IM med printer Variable.

97 ;

98 D:PSBCLIN]"" ;\*70

99 .S PSBPRT=$$GET1^DIQ(53.46,CLIEN,4)

100 .S:PSBPRT="" PSBPRT=$$GET^XPAR("DIV","PSB PRINTER CO MISSING DOSE",,"E")

101 .S:PSBPRT="" PSBPRT=$$GET^XPAR("DIV","PSB PRINTER MISSING DOSE",,"E")

102 D:PSBCLIN="" ;\*70

103 .S PSBPRT=$$GET^XPAR(PSBWRD\_";SC(","PSB PRINTER MISSING DOSE",,"E")

104 .S:PSBPRT="" PSBPRT=$$GET^XPAR("DIV","PSB PRINTER MISSING DOSE",,"E")

105 ;

106 S $P(^PSB(53.68,DA,0),U,6)=PSBPRT ; Add MG to notification

107 ;

108 ; Send the report to the specified printer

109 ;

110 D:PSBPRT]""

111 .W !,"Submitting Request To Pharmacy on device ",PSBPRT,"..."

112 .D NOW^%DTC

113 .S ZTIO=PSBPRT

114 .S ZTDTH=%

115 .S ZTDESC="BCMA - MISSING DOSE REQUEST"

116 .S ZTRTN="DQ^PSBMD("\_DA\_")"

117 .D ^%ZTLOAD

118 .W "Done!"

119 ;

120 ; Send the same stuff to the mail group

121 ;

122 D:PSBMG]""

123 .W !,"Notifying Pharmacy via Mail Group ",PSBMG,"..."

124 .D HFSOPEN^PSBUTL("MISSING DOSE")

125 .U IO D DQ(DA,1)

126 .D HFSCLOSE^PSBUTL("MISSING DOSE")

127 .S XMY("G."\_PSBMG)="",XMTEXT="^TMP(""PSBO"",$J,"

128 .S XMSUB="BCMA - Missing Dose Request"

129 .D ^XMD

130 .W "Done!"

131 Q

132 ;

133 DQ(PSBMD,PSBMM) --

; Dequeue report from Taskman

134 N PSBFLD,PSBRET

135 Q:'$D(^PSB(53.68,PSBMD,0))

136 L +^PSB(53.68,PSBMD):$S($G(DILOCKTM)>0:DILOCKTM,1:3) ; PSB\*3\*23

137 S PSBCFLD=$P(^PSB(53.68,PSBMD,.1),U,3)

138 L -^PSB(53.68,PSBMD) ; PSB\*3\*23

139 D:'$G(PSBMM) ; It is not a mail message

140 .W !,$TR($J("",75)," ","=")

141 .W !,"Report: MISSING DOSE REQUEST"

142 .W !,"Date Created: " D NOW^%DTC S Y=% D D^DIQ W Y

143 .W !,$TR($J("",75)," ","="),!

144 I $G(PSBCFLD)'="" F PSBFLD=.01,.02,.03,.04,.05,.06,.11,.12,.18,1,.13,.14,.19,.15,.16,.17 D OUT ;\*70

145 I $G(PSBCFLD)="" F PSBFLD=.01,.02,.03,.04,.05,.06,.11,.12,.18,1,.25,.15,.19,.16,.17 D OUT ;\*70

146 I $D(^PSB(53.68,PSBMD,.6)) S X=0 F S X=$O(^PSB(53.68,PSBMD,.6,X)) Q:'X W !?3,"ADDITIVE: ",$$GET1^DIQ(52.6,+^PS

B(53.68,PSBMD,.6,X,0),.01)

147 I $D(^PSB(53.68,PSBMD,.7)) S X=0 F S X=$O(^PSB(53.68,PSBMD,.7,X)) Q:'X W !?3,"SOLUTION: ",$$GET1^DIQ(52.7,+^PS

B(53.68,PSBMD,.7,X,0),.01)

148 Q

149 OUT ;

150 D FIELD^DID(53.68,PSBFLD,"","LABEL","PSBRET")

151 W !?3,PSBRET("LABEL"),":" F Q:$X>30 W "."

152 W $$GET1^DIQ(53.68,PSBMD\_",",PSBFLD)

153 I PSBFLD=.11 D

154 .N DFN,VA,VADM S DFN=$$GET1^DIQ(53.68,PSBMD\_",",.11,"I") D DEM^VADPT

155 .W !?3,$$GET^XPAR("ALL","PSB PATIENT ID LABEL")

156 .I $G(DUZ("AG"))="I" D

157 ..W ":" F Q:$X>30 W "."

158 .E D

159 ..W " (LAST 4 NUMBERS):" F Q:$X>30 W "."

160 .W VA("BID")

161 W:PSBFLD=.13 " ("\_$P($G(^PSB(53.68,PSBMD,.1)),U,3)\_")"

162 S ZTREQ="@"

163 Q

164 ;

165 NEW(RESULTS) --

; Create a new missing dose request

166 ; Called interactively and via RPCBroker

167 N DIC

168 K RESULTS

169 I '+$G(DUZ) S RESULTS(0)="-1^Undefined User" Q

170 I '$G(DUZ(2)) S RESULTS(0)="-1^Undefined Division" Q

171 ; Lock Log

172 L +^PSB(53.68,0):$S($G(DILOCKTM)>0:DILOCKTM,1:3)

173 E S RESULTS(0)="-1^Request Log Locked" Q

174 ; Generate Unique Entry and Create

175 F D NOW^%DTC S X=$E(%\_"000000",1,14),X=(1700+$E(X,1,3))\_$E(X,4,14),X="MD-"\_$TR(X,".","-") Q:'$D(^PSB(53.68,"B",X

))

176 S DIC="^PSB(53.68,",DIC(0)="L"

177 S DIC("DR")=".02///N;.03////^S X=DUZ;.04////^S X=DUZ(2);.07///1"

178 K D0 ;VRN

179 D FILE^DICN

180 L -^PSB(53.68,0)

181 ; Okay, setup return and Boogie

182 I +Y<1 S RESULTS(0)="-1^Error Creating Request"

183 E S RESULTS(0)=Y

184 Q

185 ;

186 VAL(PSBFLDS) --

; Validate that fields in PSBFLDS are filled in

187 N PSB,PSBFLD,PSBMSG

188 F PSB=1:1 Q:$P(PSBFLDS,";",PSB)="" S PSBFLD=$P(PSBFLDS,";",PSB),PSBFLD(PSBFLD)=$$GET^DDSVAL(53.68,DA,PSBFLD)

189 I $D(PSBFLD(.21)) K:PSBFLD(.21)="N" PSBFLD(.22),PSBFLD(.23)

190 S PSB="" F S PSB=$O(PSBFLD(PSB)) Q:PSB="" D:PSBFLD(PSB)=""

191 .I '$D(PSBMSG) S PSBMSG(0)="UNABLE TO FILE REQUEST",PSBMSG(1)=" ",PSBMSG(2)="ERROR: MISSING DATA - ALL FIELDS ARE

REQUIRED"

192 .D FIELD^DID(53.68,PSB,"","TITLE;LABEL","PSB")

193 .S X=" Missing Field: "\_$S(PSB("TITLE")]"":PSB("TITLE"),1:PSB("LABEL")),PSBMSG($O(PSBMSG(""),-1)+1)=X

194 Q:'$D(PSBMSG) ; All is well

195 D MSG^DDSUTL(.PSBMSG)

196 S DDSERROR=1

197 Q

198 ;

199 CHK ; start PSB\*3\*100 changes: use 'DIVAS' cross ref for multi-division sites

200 ; DUZ(2), the user's division, is set at sign-on

201 ; if the site has the switch turned on, let user select a division if different from default

202 K ^TMP("PSBMD",$J)

203 I $$GET^XPAR("ALL","PSB MULTI DIVISION ENABLED") D Q

204 .; access to ^DIC(4 supported by IA #10090

205 .; access to ^VA(200 supported by IA #10060

206 .S DIC("B")=DUZ(2),DIC("A")="Select Division: ",DIC="^DIC(4,",DIC(0)="AEMQZ",DIC("S")="I $D(^VA(200,DUZ,2,""B"",+

Y))" D ^DIC I X="^"!(X="") Q

207 .S PSBDIV=+$P(Y,U),PSBNAME=$P(Y,U,2)

208 .S PSBMULTI=$$GET1^DIQ(4,PSBDIV,5,"I")

209 .S ^TMP("PSBMD",$J)=PSBMULTI\_U\_PSBDIV\_U\_PSBNAME

210 ;

211 E D

212 .; for a single site get division and name w/o asking the user

213 .S PSBDIV=DUZ(2)

214 .S PSBNAME=$$NAME^XUAF4(DUZ(2)) ; per IA #2171

215 .S PSBMULTI=$$GET1^DIQ(4,DUZ(2),5,"I")

216 .S ^TMP("PSBMD",$J)=PSBMULTI\_U\_DUZ(2)\_U\_PSBNAME

217 Q

218 ;end of changes for PSB\*3\*100

219 ;

220 FLWUP ; Follow-Up on missing dose

221 ;start PSB\*3\*100 changes

222 N DIC,PSBDATA,PSBDIV,PSBNAME,PSBMULTI,PSBNUM,X,Y

223 D CHK

224 I $G(Y)=-1 W $C(7),!,"No division was selected." Q

225 S PSBMULTI=$P($G(^TMP("PSBMD",$J)),U)

226 S PSBDIV=$P($G(^TMP("PSBMD",$J)),U,2)

227 ; get the instituion name and number (external)

228 S PSBDATA=$$NS^XUAF4(PSBDIV) ; per IA #2171

229 S PSBNUM=$P(PSBDATA,U,2)

230 S PSBNAME=$P($G(^TMP("PSBMD",$J)),U,3)

231 ; end of changes for PSB\*3\*100

232 N DIR,PSBIEN,PSBX,DA,DR,DDSFILE,PSBHDR,PSBDRUG,LOC ;\*70

233 S Y="" F Q:Y="^" D

234 .K ^TMP("PSB",$J) S X=""

235 .;start PSB\*3\*100 changes: if switch is off, use the old functionality

236 .I '$$GET^XPAR("ALL","PSB MULTI DIVISION ENABLED") D

237 ..F S X=$O(^PSB(53.68,"AS",1,X),-1) Q:'X D

238 ...S Y=$O(^TMP("PSB",$J,""),-1)+1

239 ...S ^TMP("PSB",$J,Y)=X

240 ...S ^TMP("PSB",$J,0)=Y

241 .;

242 .; if switch is on, use new functionality at multi-division sites

243 .I $$GET^XPAR("ALL","PSB MULTI DIVISION ENABLED") D

244 ..F S X=$O(^PSB(53.68,"DIVAS",1,PSBDIV,X),-1) Q:'X D

245 ...I $P(^PSB(53.68,X,0),U,4)'=PSBDIV Q

246 ...S Y=$O(^TMP("PSB",$J,""),-1)+1

247 ...S ^TMP("PSB",$J,Y)=X

248 ...S ^TMP("PSB",$J,0)=Y

249 .;

250 .I '$O(^TMP("PSB",$J,0)) W !!,"No Unresolved Missing Dose Requests Found." S Y="^" Q

251 .I '$$GET^XPAR("ALL","PSB MULTI DIVISION ENABLED") S PSBHDR="Currently Unresolved Missing Dose Requests"

252 .I $$GET^XPAR("ALL","PSB MULTI DIVISION ENABLED") S PSBHDR="Currently Unresolved Missing Dose Requests for Divisi

on: "\_PSBNAME\_" ("\_PSBNUM\_")"

253 .;end of changes for PSB\*3\*100

254 .W @IOF,PSBHDR,!,$TR($J("",IOM)," ","-")

255 .F PSBX=0:0 S PSBX=$O(^TMP("PSB",$J,PSBX)) Q:'PSBX!(Y="^") S PSBIEN=^(PSBX)\_"," D

256 ..W !,$J(PSBX,2),". ",$$GET1^DIQ(53.68,PSBIEN,.01)

257 ..W ?25,$$GET1^DIQ(53.68,PSBIEN,.11)

258 ..; get correct location ;\*70

259 ..S LOC=$S($$GET1^DIQ(53.68,PSBIEN,1)]"":$$GET1^DIQ(53.68,PSBIEN,1),1:$$GET1^DIQ(53.68,PSBIEN,.12))

260 ..W ?57,LOC ;\*70

261 ..S PSBDRUG=$$GET1^DIQ(53.68,PSBIEN,.13)

262 ..I PSBDRUG]"" W !?5,PSBDRUG

263 ..I PSBDRUG="" D

264 ...W !?5,"UNIQUE ID: ",$$GET1^DIQ(53.68,PSBIEN,.25)

265 ...S X=0 F S X=$O(^PSB(53.68,+PSBIEN,.6,X)) Q:'X W !?10,"ADDITIVES: ",$$GET1^DIQ(52.6,+^PSB(53.68,+PSBIEN,.6,X

,0),.01)

266 ...S X=0 F S X=$O(^PSB(53.68,+PSBIEN,.7,X)) Q:'X W !?10,"SOLUTIONS: ",$$GET1^DIQ(52.7,+^PSB(53.68,+PSBIEN,.7,X

,0),.01)

267 ..S:$Y>(IOSL-4) Y=$$PAGE(PSBX)

268 .S:Y'="^" Y=$$PAGE(PSBX)

269 K ^TMP("PSB",$J),^TMP("PSBMD",$J) ; PSB\*3\*100

270 Q

271 PAGE(PSBIX) --

;

272 ;

273 N X,X1,PSBCX,PSBDX

274 S DIR("A")="Select Missing Dose Request # (<RET> to continue, '^' to quit)"

275 I PSBIX="" S DIR("A")="Select Missing Dose Request # (<RET> or '^' to quit)"

276 S DIR(0)="NO^1:"\_$S(PSBIX="":$O(^TMP("PSB",$J,PSBX),-1),1:PSBIX)\_":0"

277 D ^DIR S PSBDX=+Y

278 I PSBIX="",Y="" S Y="^" Q Y

279 I $G(DTOUT) S Y="^" Q Y

280 I Y="^" Q Y

281 I Y="" W @IOF,PSBHDR,!,$TR($J("",IOM)," ","-") Q Y

282 S (DA,PSBCX)=^TMP("PSB",$J,+Y),DR="[PSB MISSING DOSE FOLLOWUP]",DDSFILE=53.68

283 D Q Y

284 .D ^DDS

285 .; start changes for PSB\*3\*100

286 .I $G(PSBMULTI)'="Y",$D(^PSB(53.68,"AS",0,PSBCX)) K ^TMP("PSB",$J) S X="" F S X=$O(^PSB(53.68,"AS",1,X),-1) Q:'X

S X1=$O(^TMP("PSB",$J,""),-1)+1,^TMP("PSB",$J,X1)=X,^TMP("PSB",$J,0)=X1

287 .I $G(PSBMULTI)="Y",$D(^PSB(53.68,"DIVAS",0,PSBCX)) K ^TMP("PSB",$J) S X="" F S X=$O(^PSB(53.68,"DIVAS",1,PSBDIV

,X),-1) Q:'X S X1=$O(^TMP("PSB",$J,""),-1)+1,^TMP("PSB",$J,X1)=X,^TMP("PSB",$J,0)=X1

288 .; end of changes for PSB\*3\*100

289 .S PSBX=0 W @IOF,PSBHDR,!,$TR($J("",IOM)," ","-")

290 ;

291 POST ;call from 'Patient' field of screenman form PSB MISSING DOSE REQUEST

292 ;

293 N DFN

294 S DFN=X D IN5^VADPT

295 D PUT^DDSVAL(DIE,.DA,.12,$P(VAIP(5),U,2)) ; value of DIE is 53.68, BCMA MISSING DOSE REQUEST FILE called from Sc

reenMan

296 D PUT^DDSVAL(DIE,.DA,.18,$P(VAIP(6),U,1),"","I") ; value of DIE is 53.68, BCMA MISSING DOSE REQUEST FILE called

from ScreenMan

297 D REFRESH^DDSUTL

298 Q