Number Study Groups		udy Groups
	New Drug	Placebo
Portients randomized	170	180
withdraw from study	75	70
# of develop diabetes	10	15
Compliers who develop diabetes	4	8
717	10 = 5.88%	$\frac{15}{180} = 8.33\%$ $\frac{8}{180-10} = 7.27\%$
PP	4 = 4.21%	180-70 = 7.27%
in this case: $p_1 = 5.88\%$ $a = 10$ $Se \{p_1 - p_2\} = \sqrt{a01} $ $Z = (p_1 - p_2)$ $d = 0.01$	P2-8-33% b=15 P= B(1-007143)(170+1 2)/SefpP23= => Z1-==	$\frac{(a+b)/(n+n_2)=0.07143}{(a+b)/(n+n_2)=0.07143}$ $= 0.0275$ $= 0.891$ $= 2.575$
⇒ RR1 reject/re since 1 Z= +68911	=9891 < Z1==	
Study is not significa		restment effect of 277

For PP Analysis: Ho Thi= The VS Ha Thi= The Pi=421% Ps=72]
N=95. N=110 Q=4 b=8 p= (4+8)/195+110) = 0.0585
Se {PP.} = JO.058+4(+0.0585)(\$5+10) = 0.03287
Z = (Pi-Ps)/SespPs] = -0.931
RR: 121 > Z+ = Zo.94 = 2.575
for 171 = 1-0931 \ 0931 \ Ztd
we conclude to the treatment effect of PP study is
not significant.
for 17217 obs = 0991 < 17 pp obs = 0931
we conclude the treatment effort of ITT studys is none
than PP study
Q2 ITT grudy: Pralue = 0.3734 >0.01
PD Study: P-value = 0.3524 >0.01
They are both nonsignificant, since P-value (pp) < P-value (ITT). PP
study is better-

12 formula CZ = logOR	SE { logo R} = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Q3 formula & Z = tagon SEFlagoria			
OR = a/c			
Log adds rapio Text:	PP:		
a=10, b=15. C=160 d=165	0=4 b=8 C=95 d=110		
OR = 19/60 = 6.68.75	$0R = \frac{4/95}{8/110} = a579$		
	logor = -0.5465		
- logor = -0.3747			
SESTOGOR3= Jto +15 + 160 + 165 = 0.4231	Sef logor3 = 14+ + + + + + + + + + + + + + + + + + +		
	7= 10goR = -08199 = 0.87		
$\frac{Z = logoR}{SE\{logoR\}} = -0.8857 \approx -0.89$	Stiflogori		
Z1 d = 70915 = 1.96	21-9 = 20975 = 1.96		
for 121 < 20975	for 121 < Zag15		
ut conclude accept Ho : log(OR)=0	we conclude accept Ho logOR = 0		
Confidence interval			
Formula: EF=expf1.96 xSEflogOR3? CI=OR/EF ~ OR*EF			
111:	PP:		
ET=exp \(1.96 \times a 4231 \(3 = 2.29 \)	ET-exp[1.96×0.6282] = 3.4256		
CI = (0.6875 0.0875 2.19)	C_2=(0.579 0579+3.4256)		
= (0.3 1576)	(0.169 1.9834)		