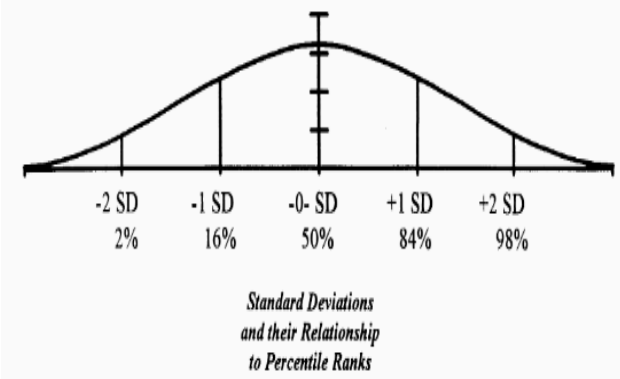


	A	B	C	D	E	F	G	H	I	J														
1	Registered and Enrolled Analysis - By Race																							
2	Favored Group	Category			<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2" style="text-align: center;">Analysis Summary</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td>Huron</td> </tr> <tr> <td>FY</td> <td>FY17</td> </tr> <tr> <td>Analysis</td> <td>Registered/Enrolled by Race</td> </tr> <tr> <td>Data Source</td> <td>SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)</td> </tr> <tr> <td>Purpose of Report</td> <td>Compare registered to enrolled participants of a favored group and unfavored group by race to determine if there is any indication of discrimination.</td> </tr> <tr> <td>Report Summary</td> <td>The 1.91 indicates low probability of discrimination by race. The result does indicate opportunity to improve.</td> </tr> </tbody> </table>						Analysis Summary		Location	Huron	FY	FY17	Analysis	Registered/Enrolled by Race	Data Source	SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)	Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by race to determine if there is any indication of discrimination.	Report Summary	The 1.91 indicates low probability of discrimination by race. The result does indicate opportunity to improve.
Analysis Summary																								
Location	Huron																							
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Report Summary	The 1.91 indicates low probability of discrimination by race. The result does indicate opportunity to improve.																							
3	White	Registered	401																					
4	White	Enrolled	48																					
5	White	Not Enrolled	353																					
6																								
7	Unfavored Group																							
8	Asian	Registered	70																					
9	Asian	Enrolled	3																					
10	Asian	Not Enrolled	67																					
11																								
12	Calculate 1 Standard Error																							
13	P = Overall Rate getting Enrolled		0.1083																					
14	1 - P		0.8917																					
15	nF = Number of Favored Group Males are the favored group		401																					
16	1 / n _F		0.00249377																					
17	nNF = Number of Non Favored Group		70																					
18	1 / n _{NF}		0.01428571																					
19	1 Standard Error		4.0251%																					
20	<i>a technical term that I always used to call the standard deviation</i>																							
21	Calculate Difference in Rates of Getting to Point B																							
22	Rate for Favored		11.97%																					
23	Rate for Unfavored		4.29%																					
24		difference	7.68%																					
25	Calculate Number of Standard Deviations																							
26			1.91																					
27	Notes about Standard Deviations																							
28	1. The standard deviation analysis looks at the probability that the difference in rates is due to chance.																							
29	2. Technically, this is a two independent sample binomial test																							
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32	5. Another way to think about it is that if the SD is greater than 2.0, there is something that is controlling the process because there is less than 5% chance that the difference was caused by chance.																							
33																								



$$\sqrt{p \times (1 - p) \times \left\{ \frac{1}{n_F} + \frac{1}{n_{NF}} \right\}}$$

Registered and Enrolled Analysis - By Age

Favored Group	Category	
>40	Registered	396
>41	Enrolled	31
>42	Not Enrolled	365
Unfavored Group		
40+	Registered	114
40+	Enrolled	22
40+	Not Enrolled	92

Analysis Summary	
Location	Huron
FY	FY17
Analysis	Registered/Enrolled by Race
Data Source	SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by age to determine if there is any indication of discrimination.
Report Summary	The -3.54 indicates a low probability of discrimination by age.

Calculate 1 Standard Error

P = Overall Rate getting Enrolled	0.1039
1 - P	0.8961
nF = Number of Favored Group	
Males are the favored group	396
1 / n _F	0.00252525
nNF = Number of Non Favored Group	
	114
1 / n _{NF}	0.00877193
1 Standard Error	
<i>a technical term that I always used to call the standard deviation</i>	3.2435%

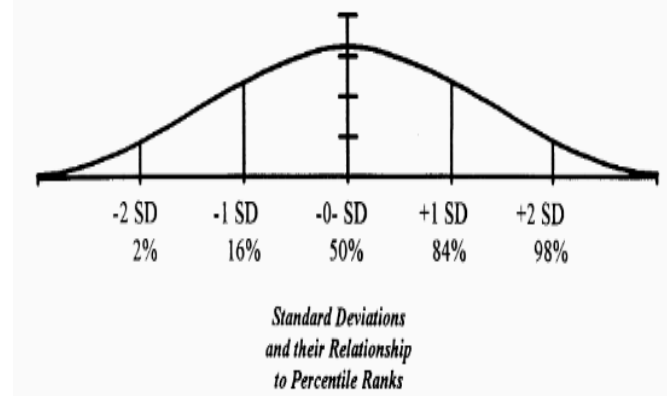
Calculate Difference in Rates of Getting to Point B

Rate for Favored	7.83%
Rate for Unfavored	19.30%
difference	-11.47%

Calculate Number of Standard Deviations **-3.54**

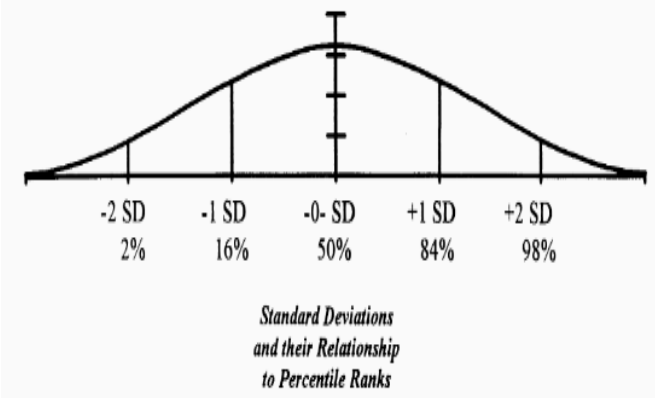
Notes about Standard Deviations

- The standard deviation analysis looks at the probability that the difference in rates is due to chance.
- Technically, this is a two independent sample binomial test
- Differences **greater than 2.0 standard deviations** is generally what suggests possible discrimination
- The 2.0 standard deviation represents a less than 5.0% chance that the difference in rates is due to chance.
- Another way to think about it is that if the SD is greater than 2.0, there is something that is controlling the process because there is less than 5% chance that the difference was caused by chance.



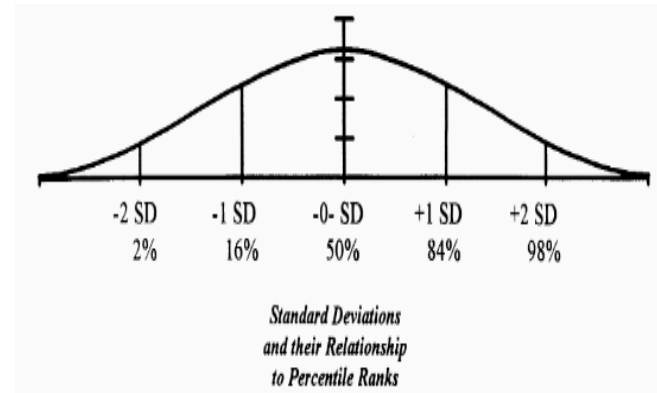
$$\sqrt{p \times (1 - p) \times \left\{ \frac{1}{n_F} + \frac{1}{n_{NF}} \right\}}$$

	A	B	C	D	E	F	G	H	I	J														
1	Registered and Enrolled Analysis - By Disability																							
2	Favored Group	Category			<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2" style="text-align: center;">Analysis Summary</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td>Huron</td> </tr> <tr> <td>FY</td> <td>FY17</td> </tr> <tr> <td>Analysis</td> <td>Registered/Enrolled by Race</td> </tr> <tr> <td>Data Source</td> <td>SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)</td> </tr> <tr> <td>Purpose of Report</td> <td>Compare registered to enrolled participants of a favored group and unfavored group by disability to determine if there is any indication of discrimination.</td> </tr> <tr> <td>Report Summary</td> <td>The -6.39 indicates a very low probability of discrimination by disability.</td> </tr> </tbody> </table>						Analysis Summary		Location	Huron	FY	FY17	Analysis	Registered/Enrolled by Race	Data Source	SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)	Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by disability to determine if there is any indication of discrimination.	Report Summary	The -6.39 indicates a very low probability of discrimination by disability.
Analysis Summary																								
Location	Huron																							
FY	FY17																							
Analysis	Registered/Enrolled by Race																							
Data Source	SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)																							
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by disability to determine if there is any indication of discrimination.																							
Report Summary	The -6.39 indicates a very low probability of discrimination by disability.																							
3	No	Registered		495																				
4	No	Enrolled		44																				
5	No	Not Enrolled		451																				
6																								
7	Unfavored Group	Category																						
8	Yes	Registered		15																				
9	Yes	Enrolled		9																				
10	Yes	Not Enrolled		6																				
11																								
12	Calculate 1 Standard Error																							
13		P = Overall Rate getting Enrolled		0.1039																				
14		1 - P		0.8961																				
15		nF = Number of Favored Group		495																				
16		Males are the favored group																						
17		1 / n _F		0.00202020																				
18		nNF = Number of Non Favored Group		15																				
19		1 / n _{NF}		0.06666667																				
20		1 Standard Error		7.9977%																				
21		<i>a technical term that I always used to call the standard deviation</i>																						
22	Calculate Difference in Rates of Getting to Point B																							
23		Rate for Favored		8.89%																				
24		Rate for Unfavored		60.00%																				
25		difference		-51.11%																				
26	Calculate Number of Standard Deviations			-6.39																				
27	Notes about Standard Deviations																							
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$$\sqrt{p \times (1 - p) \times \left\{ \frac{1}{n_F} + \frac{1}{n_{NF}} \right\}}$$

	A	B	C	D	E	F	G	H	I	J														
1	Registered and Enrolled Analysis - By Gender																							
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Analysis Summary																								
Location	Huron																							
FY	FY17																							
Analysis	Registered/Enrolled by Race																							
Data Source	SD Works (See FY17 Registered.Enrolled Analysis_Data.PDF)																							
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by gender to determine if there is any indication of discrimination.																							
Report Summary	The -2.08 indicates a low probability of discrimination by gender.																							
3	Male	Registered		271																				
4	Male	Enrolled		21																				
5	Male	Not Enrolled		250																				
6																								
7	Unfavored Group																							
8	Female	Registered		239																				
9	Female	Enrolled		32																				
10	Female	Not Enrolled		207																				
11	Calculate 1 Standard Error																							
12	P = Overall Rate getting Enrolled				0.1039																			
13	1 - P				0.8961																			
14	nF = Number of Favored Group																							
15	Males are the favored group				271																			
16	1 / n _F				0.00369004																			
17	nNF = Number of Non Favored Group				239																			
18	1 / n _{NF}				0.00418410																			
19	1 Standard Error																							
20	<i>a technical term that I always used to call the standard deviation</i>				2.7079%																			
21	Calculate Difference in Rates of Getting to Point B																							
22	Rate for Favored				7.75%																			
23	Rate for Unfavored				13.39%																			
24	difference				-5.64%																			
25	Calculate Number of Standard Deviations				-2.08																			
26	Notes about Standard Deviations																							
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