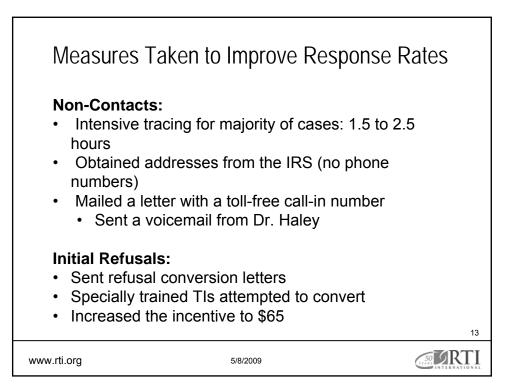
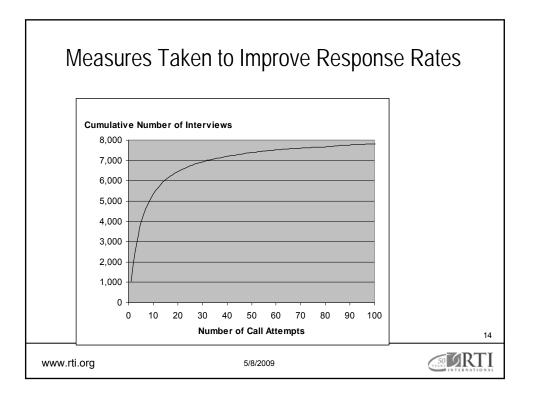


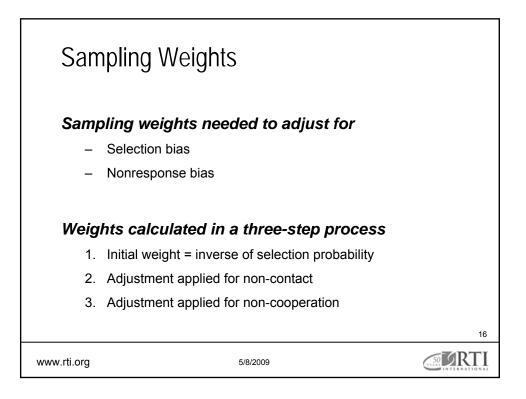
CATI Performar	nce Rates		
	Target	Actual]
Eligibility Rate	98.1%	92.9%]
Contact Rate	90.0%	71.2%	
Cooperation Rate	74.5%	82.4%	
RR4 Response Rate ²	67.1%	58.7%	
	² Contact rate times coo	operation rate.	
			11
www.rti.org	5/8/2009	(

(CATI Perfo	rmance	e Rates		
ſ		Contact Rate	Cooperation Rate	Response Rate	
	Males	71%	82%	58%	
	Females	71%	85%	60%	
	Age < 49	67%	81%	55%	
	Age >= 49	81%	85%	69%	
	White	76%	82%	62%	
	Non-White	62%	83%	51%	
	Southern KTO	70%	83%	58%	
	Northern KTO	72%	85%	61%	
	Not Deployed	72%	77%	55%	
	Overall	71%	82%	59%	1
/ww.rt	i.org		5/8/2009		SRT (SRT





Target Vers	sus Au	iuai CA			3
	Initial	Targe	ctual		
	Initial Sample Size	CATI Interviews	Response Rate	CATI Interviews	Response Rate
Not Deployed to KTO	2,321	1,273	58.6%	1,194	55.6%
Deployed to KTO	10,623	7,169	68.2%	5,695	58.3%
Twins Study	1,239	804	66.3%	646	58.4%
Seabees	594	450	76.7%	453	78.2%
Parents of Goldenhars	<u>43</u>	<u>41</u>	78.8%	<u>28</u>	73.4%
Total	14,820	9,737	67.0%	8,016	58.7%



п

Adoguacy of	Adequacy of the Sample for Testing Hypotheses								
Auequacy of	line Sail	ipie i	U Tes	шу пур	JOILIESES				
Deployable No	on-Deploy	ed							
	Percent Effective								
	Syndromic		Sample Size						
	Assumed	CATI	Target	Achieved					
Male	5%	3%	111	342					
Female	10%	6% *	200	226					
Age < 49	5%	3% *	111	892					
Age >= 49	10%	6% *	200	417					
White	5%	3% *	111	1,009					
Non-White	15%	6% *	298	177					
Active Duty	5%	4%	111	493					
Reservists	10%	4% *	200	380					
·		*	Significar	nt at α=0.05	17				
v.rti.org 5/8/2009				550 CRT					

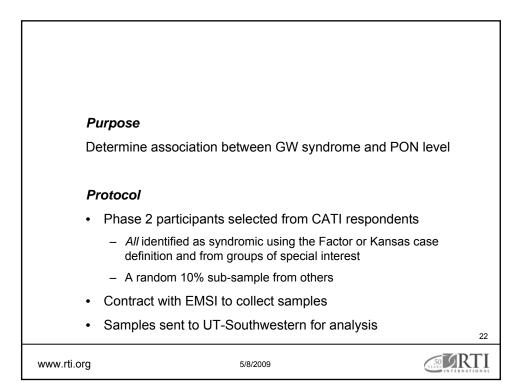
Ad	Adequacy of the Sample for Testing Hypotheses										
	Deployed to Northern KTO During Air War Percent Effective Syndromic Sample Size										
		Assumed	CATI	Target	Achieved						
	Male	20%	16% *	496	1,321						
	Female	25%	21%	601	554						
	Age < 49	20%	15% *	496	1,635						
	Age >= 49	25%	21% *	601	1,253						
	White	20%	14% *	496	1,674						
	Non-White	30%	20% *	688	1,145						
	Active Duty	20%	16% *	496	1,809						
	Reservists	25%	17% *	601	822						
			*	Significant	at α=0.05	18					
www.rti.or	.a	5/8	/2009			CONTRACTIONAL					

Γ

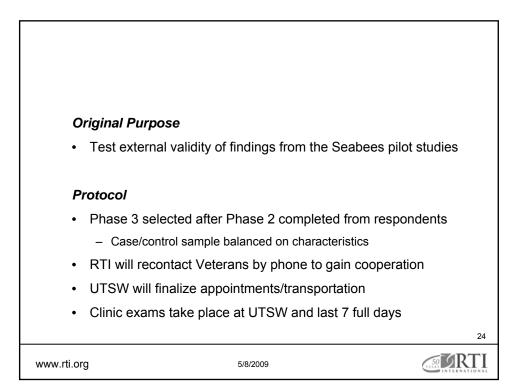
De	ployed to So	outhern KT	O Durin	g Air War	,	
		Perce	nt	Effe	ctive	
		Syndromic		Samp	le Size	
		Assumed	CATI	Target	Achieved	
	Male	15%	12%	496	759	
	Female	20%	14%	601	179	
	Age < 49	15%	13%	496	1,149	
	Age >= 49	20%	12% *	601	568	
	White	15%	10% *	496	1,964	
	Non-white	25%	18% *	688	287	
	Active Duty	15%	12%	496	799	
	Reservists	20%	13% *	601	350	
			*	Significant a	at α=0.05	
				-		1

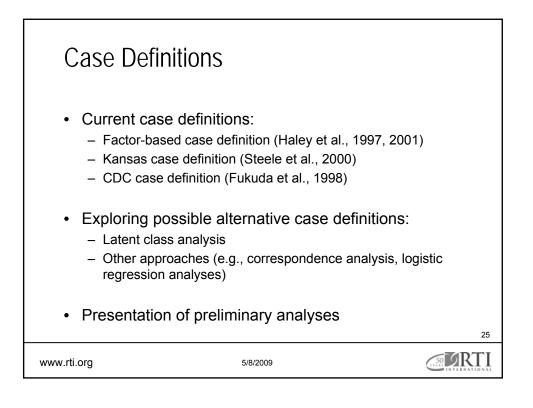
Adequacy of the Sample for Testing Hypotheses								
Auequa	Jy of the Sall		esung	пуроц	leses			
Special Stra	ita							
		Perce		Effective Semale Size				
		Syndro Assumed		Sample Size Target Achieved				
	Dep Air Crews		2% *	46	249			
	DND Air Crews	5%	0% *	46	280			
D	ep Aircraft Main.	20%	6% *	46	528			
DI	ND Aircraft Main.	5%	4%	46	61			
Dep Arm	y Special Forces	20%	19%	46	61			
DND Arm	y Special Forces	5%	2%	46	47			
	Camp Doha	20%	16%	496	278			
Dep no	ot at Camp Doha		13%	496	1,091			
			*	Significant a	at α=0.05			
						2		
www.rti.org		5/8/2009				RT		

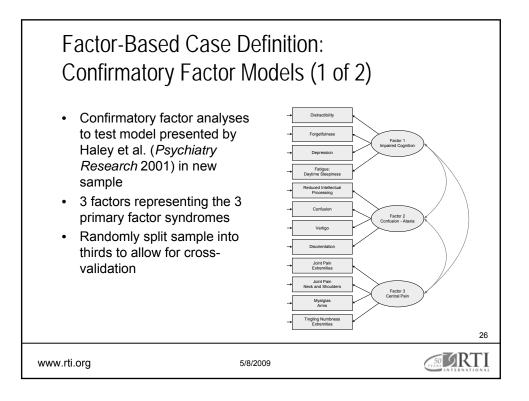
wins Study			
		Numbe Twin Pa	-
One or both not a tw	vin	10	2%
One or both ineligib	ole	91	15%
Both non-intervie	€w	246	40%
One Intervie	w	86	14%
Both fratern	nal	80	13%
One fraternal, One idention	al	10	2%
Both identic	al	<u>96</u>	<u>16%</u>
То	tal	619	100%
ti.org	5/8/2009		



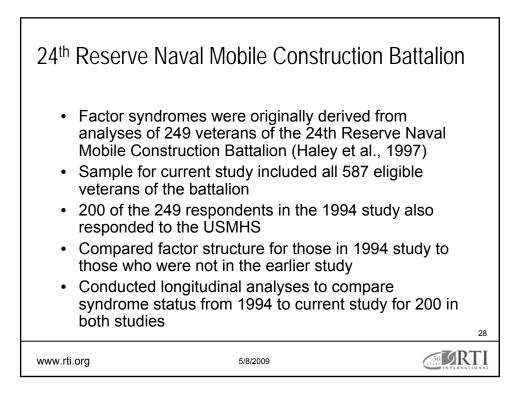
[Target	Current	Proje	ected	
	Syndromic	1,131	417		72%	
	Non Syndromic	961	342	728	76%	
	Total	2,092	759	1,545	74%	
						23
ww	/w.rti.org	5/8				





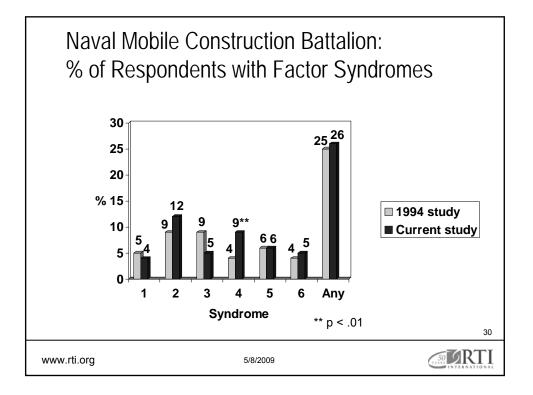


Model	CFI	TLI	SRMR	RMSEA
Deployed only	.956	.941	.039	.068
Non-deployed only	.966	.954	.033	.057
Deployed & Non-deployed (unequal)	.958	.948	.038	.063
Deployed & Non-deployed (equal)	.955	.949	.042	.063



Naval Mobile Construction Battalion: Confirmatory Factor Models

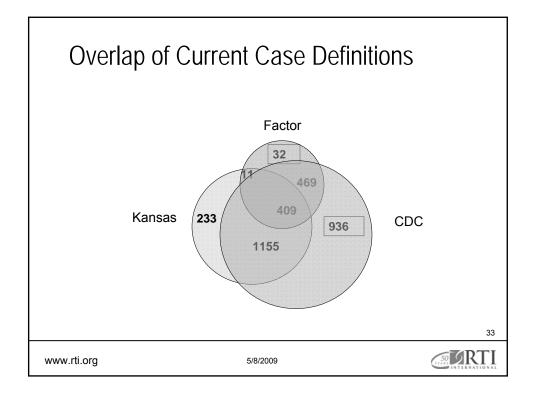
Model	CFI	TLI	SRMR	RMSEA
In 1994 study	.928	.902	.054	.096
In current study	.967	.956	.037	.064
1994 & Current (unequal)	.941	.932	.052	.079
1994 & Current (equal)	.946	.933	.047	.078
ti.org	5/8/2009			VEAKS

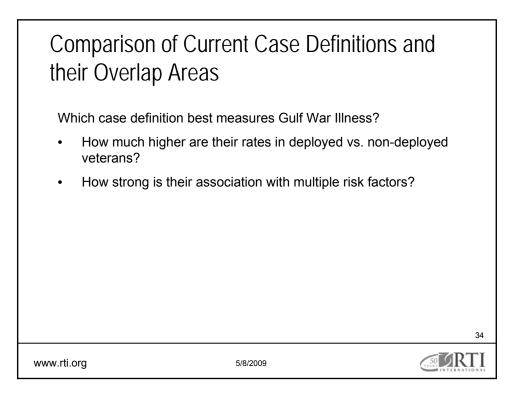


Naval Mobile Construction Battalion: Mean Factor Syndrome Scores

Syndrome	1994	Current	р	ICC
1: Impaired cognition	0.0 (0.9)	-0.2 (0.9)	.007	0.46
2: Confusion-ataxia	0.0 (0.9)	0.2 (1.0)	.005	0.48
3: Andro-myo-neuropathy	0.0 (0.9)	0.1 (0.8)	.043	0.43
4: Phobia-apraxia	0.0 (0.9)	0.4 (1.0)	< .001	0.28
5: Fever-adenopathy	0.0 (0.9)	0.1 (0.8)	.487	0.37
6: Weakness-incontinence	0.0 (0.9)	0.0 (0.8)	.769	0.39
Maximum syndrome score	1.0 (1.1)	1.0 (1.1)	.768	0.72
				31
www.rti.org	5/8/2009			

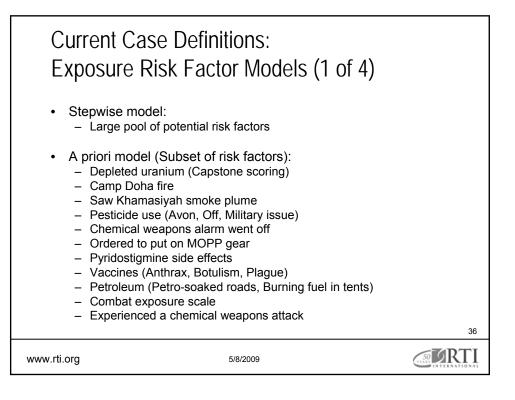
Prevalence of (USMHS	Current Case D	efinitions in
Case Definition	N	%
Factor	921	12
Kansas	1,808	23
CDC	2,969	37
		32
www.rti.org	5/8/2009	





Strength of Association of Current Case
Definitions with Deployment Status

Definition	Deployed	Non- Deployed	Relative Risk
Factor (any syndrome)	13.3%	3.7%	3.62
Kansas	25.5%	10.6%	2.41
CDC	41.4%	18.7%	2.22
Factor & Kansas	6.1%	1.6%	3.82
Factor (not Kansas)	7.2%	2.1%	3.48
Kansas (not Factor)	19.4%	9.0%	2.17
Factor only	0.5%	0.2%	2.16
Kansas only	3.2%	1.5%	2.12
CDC only	12.5%	7.9%	1.58
,			
rti.org	5/8/2009		50 Y 1.1.1



Definition	Stepwise model	A priori model
	AUC	AUC
Factor (any syndrome)	0.81	0.80
Kansas	0.67	0.68
CDC	0.79	0.78
Factor & Kansas	0.74	0.74
Factor (not Kansas)	0.83	0.80
Kansas (not Factor)	0.61	0.64
Factor only	0.63	0.78
Kansas only	0.66	0.67
CDC only	0.61	0.61

