

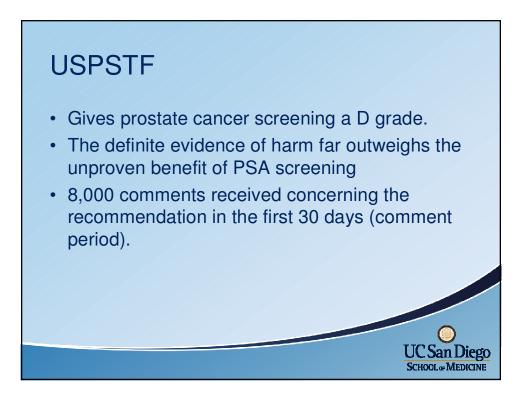


Prostate Cancer in Developed Countries – *Known 2012*

- •39% Reduction in mortality; Accounting for 20% of the overall reduction in cancer mortality in men.
- –Half of this appears related to early detection
- Screening of healthy, young, well -informed men with serum PSA reduces significantly the risk of dying of prostate cancer (21% –44%)
- It does so at the risk of over detection-detecting disease which would not have become clinically apparent over a patient's lifetime if left untreated

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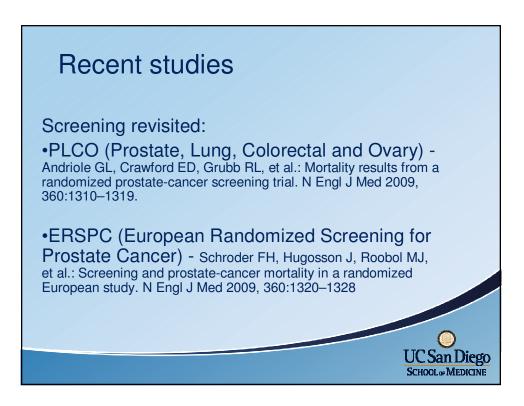
 •Detection and treatment (over-treatment) are. currently, too tightly linked

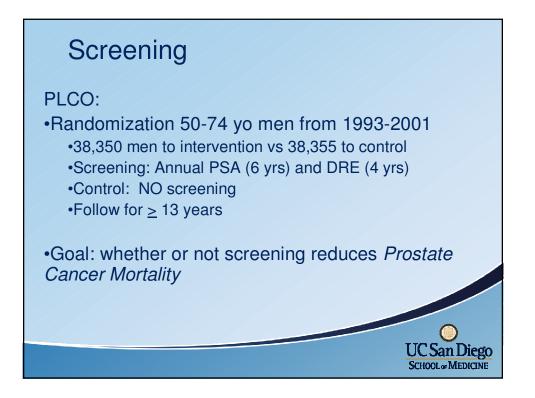


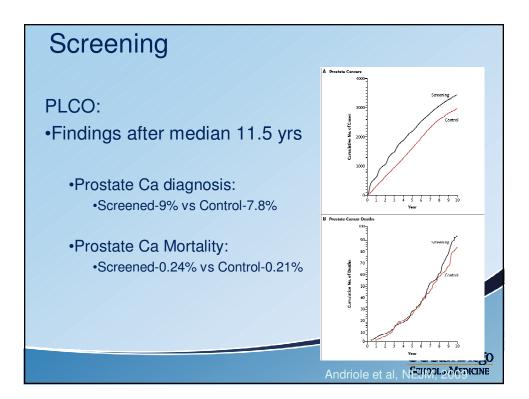
Why?

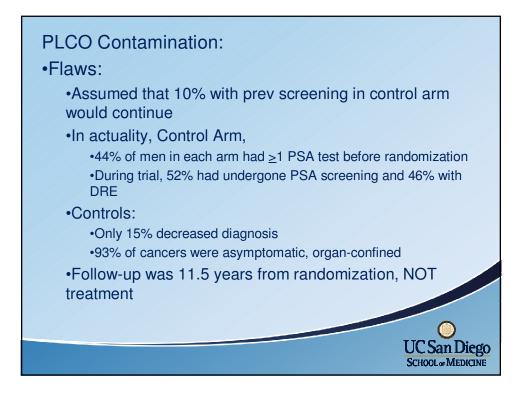
- The randomized trials of PSA screening show little improvement in mortality at a high cost of treatment
- PSA is a poor screening test with poor specificity so many men get prostate biopsies and worry and don't have cancer
- Many men who are treated had bad side effects, surgical complications, erectile dysfunction and incontinence and don't benefit from treatment

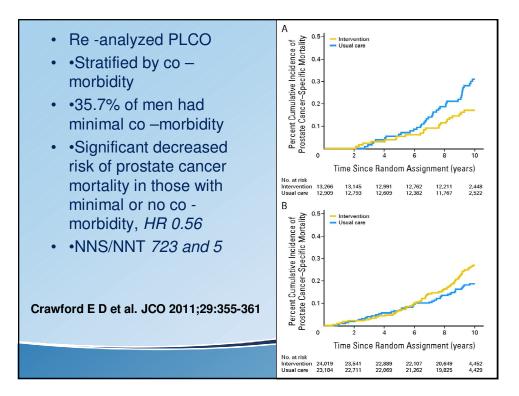
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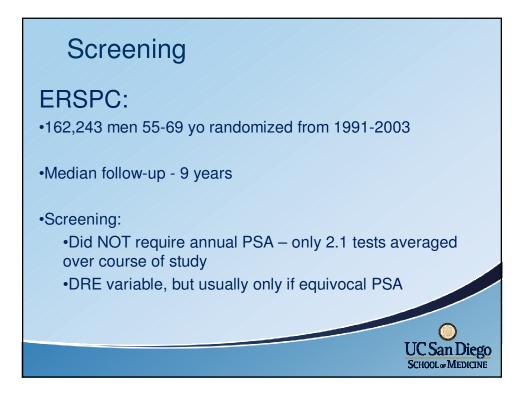


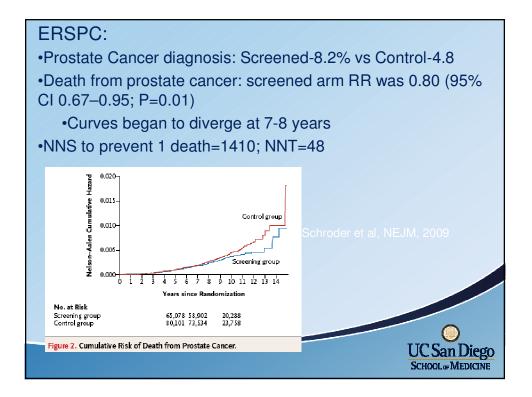


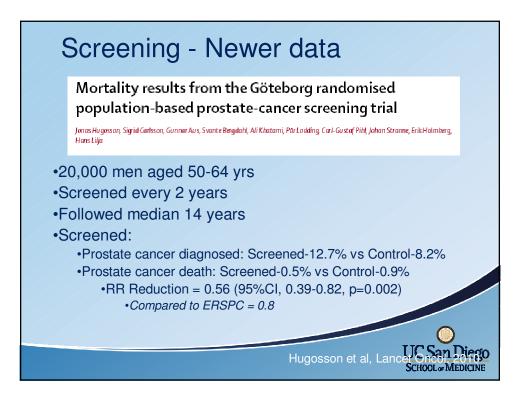


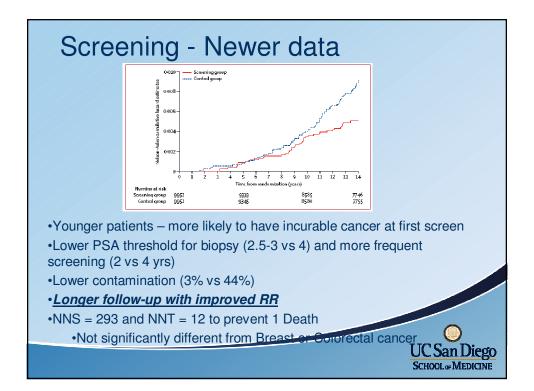


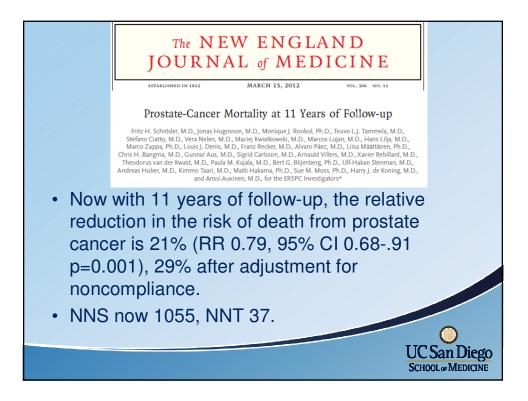


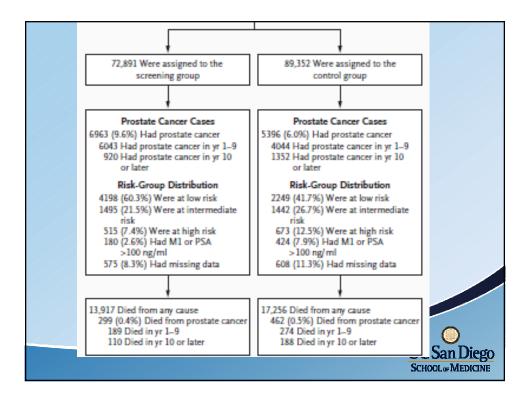


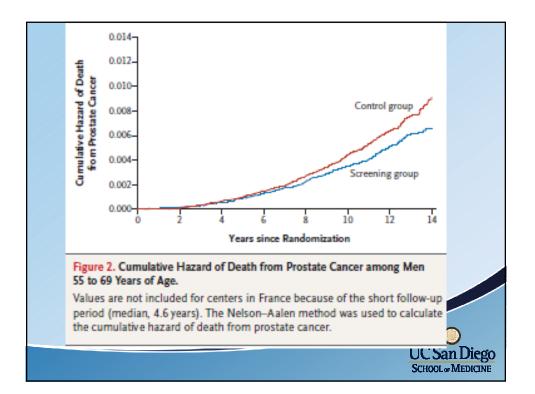


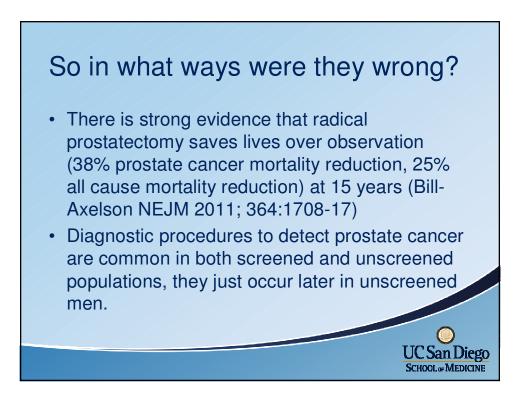


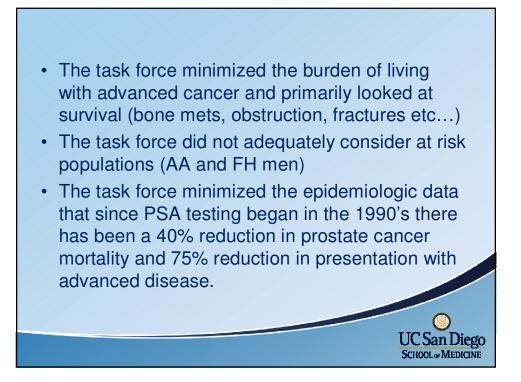


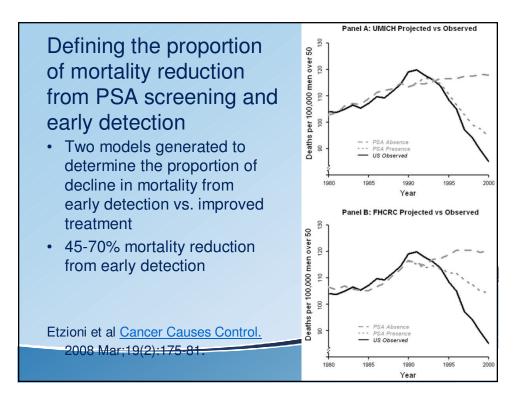


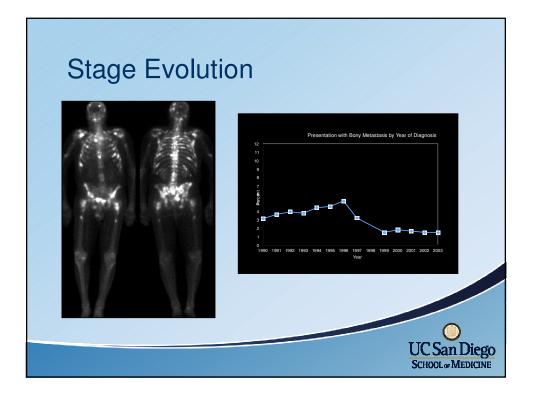


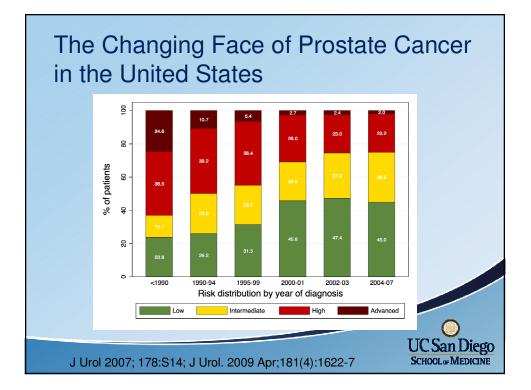












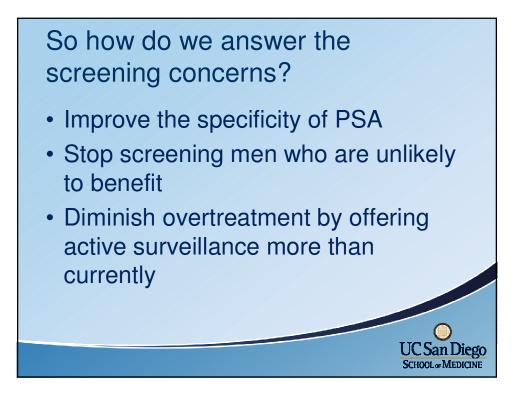
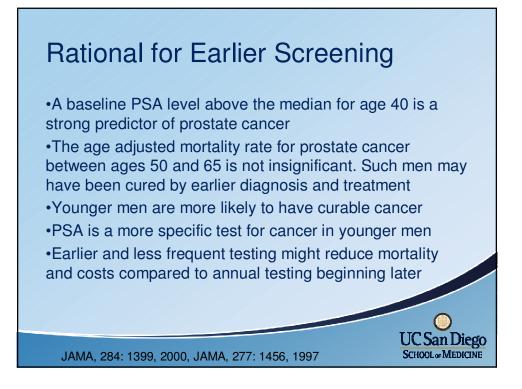
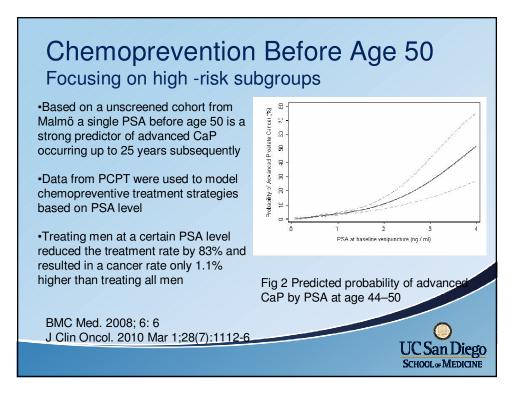
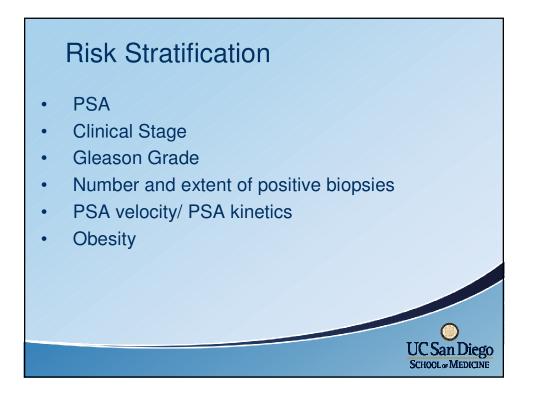


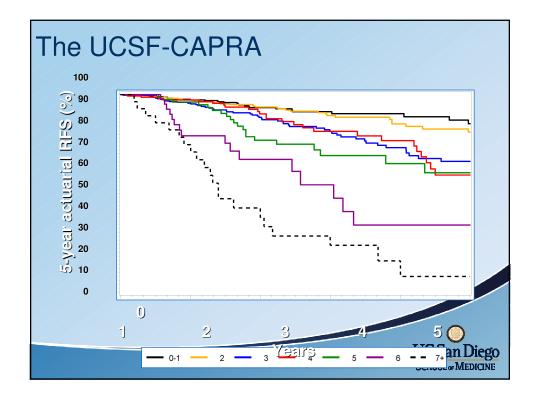
		table Prostate Cancer					
	Enter Your	Information					
	* Race	÷					
	* Age						
	* PSA Level	ng/ml					
	* Family History of Prostate Cancer						
	* Digital Rectal Examination	÷					
	* Prior Prostate Biopsy	÷					
	* Is the patient taking finasteride?	\$					
	(Calculate Cancer Risk)						
	(Figures)	(Disclaimer)					
http://deb.ut s/uroriskcald	0						
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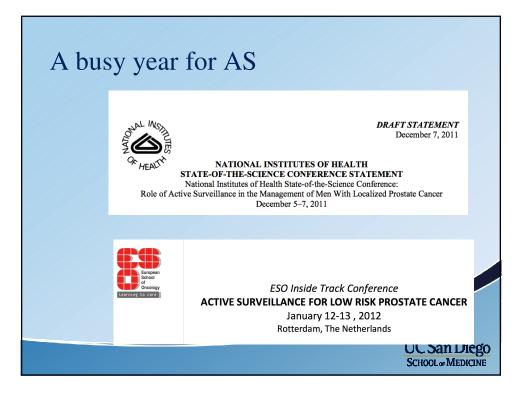


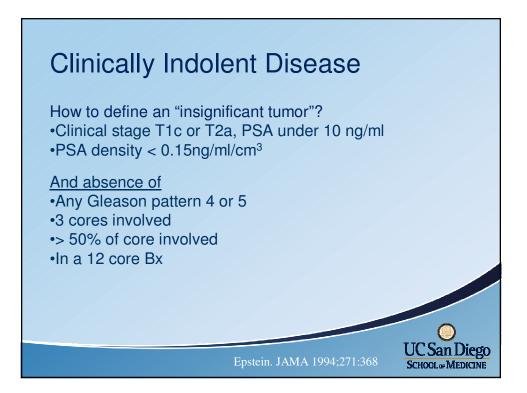


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	Variable	Ləvəl	Points	N	% of cohori	% iail	
	PSA	2.1-6	0	721	50	9	
UCSF		6.1-10	1	453	31	14	
		10.1-20	2	209	15	28	
		20.1-30	3	36	3	33	
CAPRA		>30	4	20	1	55	
	Gleason	1-3/1-3	0	1068	74	12	
		1-3/4-5	1	239	17	20	
		4-5/1-5	3	132	9	28	
	T-stage	T1/T2	0	1410	98	14	
		Т3а	1	29	2	21	
Cooperberg et al J Urol June 2005	% pos bx	<34%	0	911	63	10	
J CTOI Julie 2000		<u>></u> 34%	1	528	37	22	
	Age	<50	0	51	4	6	
		<u>></u> 50	1	1388	96	15	
Score calculated by totaling eachUC San Diegocharacteristic, range 0-10SCHOOL or MEDICINE							



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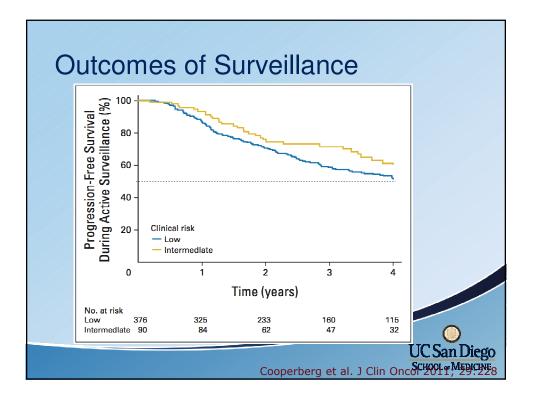


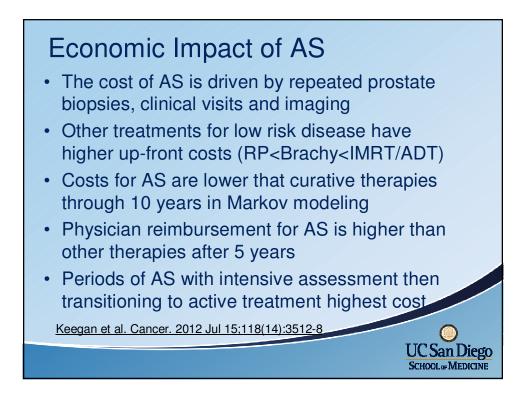
Surveillance:	Recent	Experiences

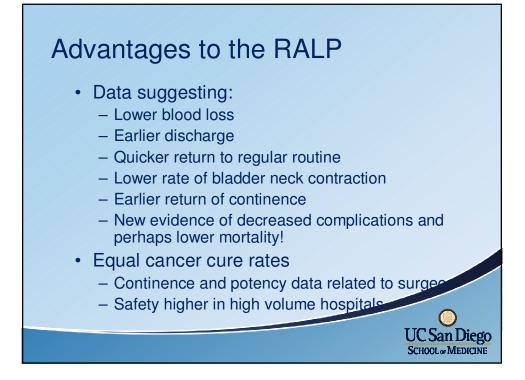
Institution (PI)	Total (n)	Strict* (n)	Median age	Inclusion criteria
Royal IMarsden II Parker) ₪	3262	3262	672	Gleason涨3+4,₽SA涨15۩g/ml,۩Tଔtage涨2a,ଥ ≤50%ឱfឱoresឱpositive2
UniversityඕfඔMiamiॿ(Soloway)ඔ	2302	2302	642	Gleason & 6, PSA & 10 Bg/ml, & TB tage & 2, & 22 cores, & 20% & bf & ny & ore & positive?
Johns⊡Hopkins@(Carter)₪	769⊉	6332	662	Gleason 2+3, PSAD 0:0.15 mg/ml/ml, 12 m3 age 1, 12 to respositive, 1250% ft my to re positive?
UCSFI(Carroll)I	6402	3762	62?	Gleason™3+3,₱SA™10mg/ml,電T®tage™2,₽ ≤33%@ft©orestpositive,™50%@ft@nyt©ore2 positive2
University@fl2orontol(Klotz)2	4532	4532	702	Gleasonଞ.6,ଅଂSAଞ.10୩g/mlସ୍(untilଞ୍ଜିanଅ2000,ଅ for୩menଞ.70:ଅGleasonଞ.3+4,ଅଂSAଞ.15୩g/ml)ଅ
ERSPCBitesISchröder)	9882	6162	662	Gleason & 3+3, PSA & 10 mg/ml, PSA D & 0.22 ng/ml/ml, & T & tage 2 c-2, & 2 & ores & ositive 2
Memorial-Sloanı ≰ettering ☑ (Eastham) ☑	2382	2382	642	Gleason™3+3,₽SA™10mg/ml,@T®tage™2a,@ ≤3@ores@ositive,™50%@f@ny@ore@ositive2
TOTAL®	36442	28722	672	
			Coo	UC San D perberg et al. J Clin Oncol 29:3669,

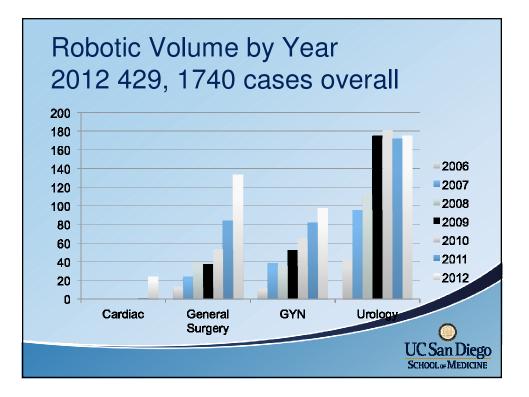
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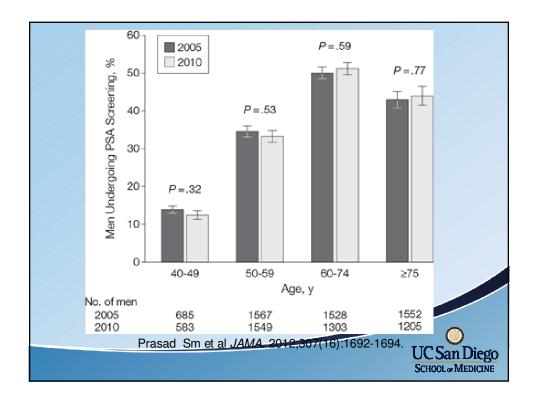
Institution	Median follow- up (months)	Progress by grade / volume (%)	Progress by PSA / PSA kinetics (%)	Treatment without progression (%)	OS (%)	CSS (%)	PFS (%)
Royal Marsden 2	221	132	182	27	982	1002	732
University®f Miami®	322	102	NRℤ	NR	100	1002	862
Johns Hopkins 2	322	142	NR*2	92	982	1002	542
UCSF	472	352	5/11†2	87	9 7 2	1002	542
University®f2 Toronto2	822	9‡₪	14‡0	32	682	972	702
ERSPC Bites 2	522	NR§₪	132	187	912	992	682
Memorial- Sloan	222	132	142	112	n/a⊵	n/aiz	n/al
						T	C San Die
			Cooperbe	rg et al. J Clir	ו On		

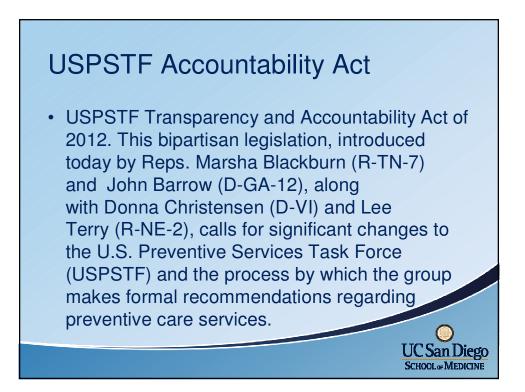


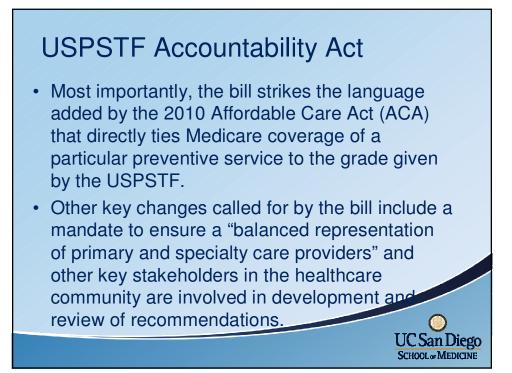


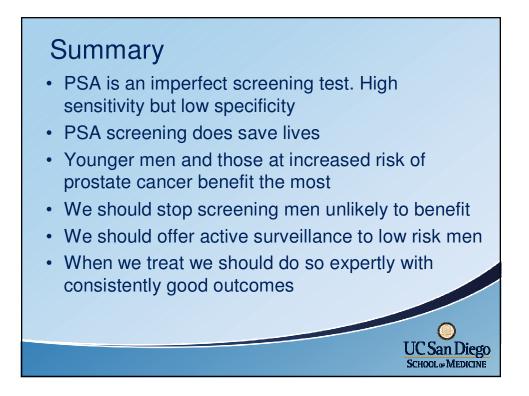












Summary

- To discourage PSA screening for all men is irresponsible
- The USPSTF methodology is severely flawed
- Lets thoughtfully move forward with prostate cancer detection and treatment that keeps faith with the patients at risk for the second leading cancer killer of American Men

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