

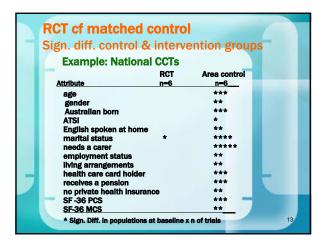


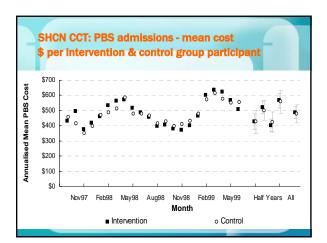
### **RCT** – doubled blinded Gold standard to establish program performance **Controls for:** Other Influences on outcomes Self selection blas . . Placebo effect - If no control wrongly attribute all change to the program. But: **RCT often not used. Why?** 1. 'know' intervention works But evidence or marketing, professional bias ? context transferable ? .

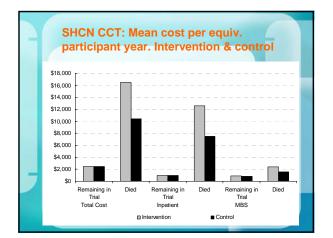
# Why not use RCT? Can't deny care that works? Can't set up randomised control that represents usual care. Management protocol, participants contrived Can't blind participant or clinician → source of bias. How randomise system wide/population-based interventions? Capacity for long term follow-up? High cost, drop out, retain distinction between

arms



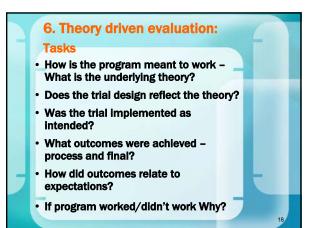


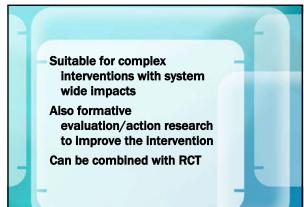




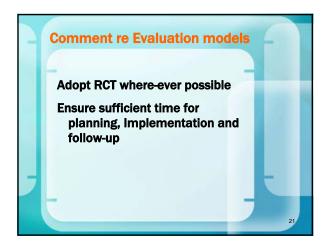






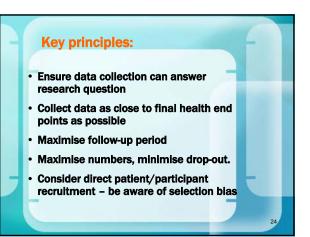


Use of Theory o Was the Trial In	mplemented	as intend	
Time GPs spent develor Implementing risk asse		d	
	High & medium- risk patients (n=177 <b>)</b>	Low-risk patients (n=236)	
Less than 15 minutes	3%	46%	
15 minutes and up to 30	46%	41%	
30 minutes and up to one hour	47%	12%	
One hour or more	4%	1%	
Total	100%	100%	
			20



## Information Collection Consider Cost-Effectiveness Health end points • Major health events: stroke, AMI, amputation • Quality of life: utility score, SF-36 • Death: life years Intermediate outcomes: relate to final health endpoints - eg behaviours, clinical parametres

# Information collection Costs • of intervention • potential cost savings through disease modification • of side effect profile • on others – eg family members Extend follow-up





 Consider efficacy, costeffectiveness, implementation issues, embedding successful experiments

### Concerns:

- Independence of research?
- Constraints on publishing trial results?
- Access to data?
- Sufficient funding for analysis?

### Support research policy interface

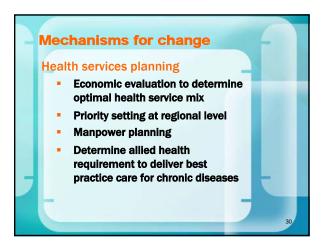
### Through

- Engage stake holders at start but limit scope?
- Ensure address current policy question – but impose unrealistic time constraints
- Ensure rights to publish results but constituency make want control?
- Report relevant information Eg ARR

		RR not s		
	Absolute risk	reduction = $\Delta$	end point/100	
L		Scenario A	в	
	Deaths			
L	<ul> <li>placebo</li> </ul>	5%	20%	
	<ul> <li>intervention</li> </ul>	2%	15%	
	OR	0.4	0.75	
	ARR	<b>↓</b> 3%	<b>↓</b> 5%	
7	Number treat			
	to avert 1 death	<b>33</b> (100/3)	<b>20</b> (100/5)	

### IV Mechanisms for change Financing reform: Make system more responsive & equitable • Single fund holder + allocate health funds to populations • Strengthen universal cover • Adjust MBS to support certain services Eg EPC • Expand scope of core services • Adjust means to pay for health care • Salarled • Capitation via enrolled clients













VA patie	ent co	horts	
Disease group	1992-3	1998-9	% change
Renal failure	25.6%	18.6%	- 27.3%
CHF	23.3%	16.9%	- 27.5%
chronic obstructive pulmonary disease	15.0%	11.5%	- 23.3%
Pneumonia	17.8%	10.7%	-39.9
diabetes	5.3%	5.2%	no change
angina	4.0%	3.2%	- 20%
major depression	1.9%	1.7%	- 10%
schizophrenia	1.8%	1.8%	no change
bipolar disorder	2.0%	1.5%	-25%

