

Helping patients understand Cochrane reviews; why and how?

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"At the heart of the shared decision-making approach is the recognition that professional knowledge is necessary but not sufficient for good decision-making. The patient's personal knowledge about what matters most is often as or more important."

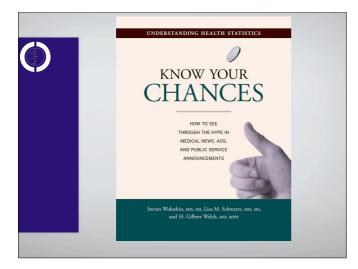
Mulley, AG, Wennberg JE

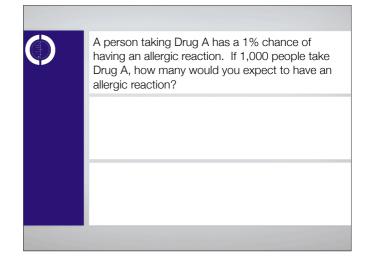
Reducing unwarranted variation in clinical practice by supporting clinicians and patients in decision making. In: Better doctors, better patients, better decisions. Gigerenzer G, Gray JAM, 2011, MIT

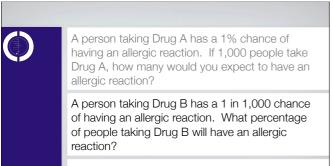


Promoting better shareddecision making

- Improving numeracy amongst patients Improving public understanding of
- healthcare research
- Improving numeracy amongst doctors Improving understanding of healthcare research by physicians









A person taking Drug A has a 1% chance of having an allergic reaction. If 1,000 people take Drug A, how many would you expect to have an allergic reaction?

A person taking Drug B has a 1in 1,000 chance of having an allergic reaction. What percentage of people taking Drug B will have an allergic reaction?

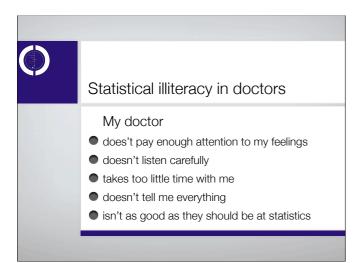
Imagine that I flip a coin 1,000 times. What is your best guess about how many times the coin would come up heads in 1,000 flips?

	US Adults ages 35-70 n=450	Postgrad. degree n=62	US Adults ages 26-69 n=1009	German adults ages 25-69 n=1001	\bigcirc	
	% Correct answers					
Convert 1% to 10 in 1,000	70					
Convert 1 in 1,000 to 0.1%	25					
Heads in 1,000 coin flips	76					

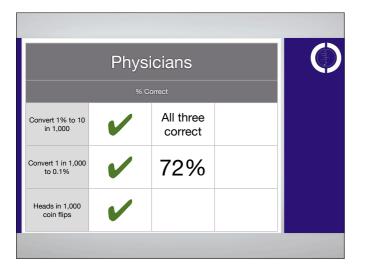
	US Adults ages 35-70 n=450	Postgrad. degree n=62	US Adults ages 26-69 n=1009	German adults ages 25-69 n=1001	
	%	Correct answe	rs		
Convert 1% to 10 in 1,000	70	82			
Convert 1 in 1,000 to 0.1%	25	27			
Heads in 1,000 coin flips	76	86			

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US Adults ages 35-70 n=450	Postgrad. degree n=62	US Adults ages 26-69 n=1009	German adults ages 25-69 n=1001	
%	Correct answe	rs		
70	82	58	68	
25	27	24	46	
76	86	73	73	
	ages 35-70 n=450 % 70 25	ages 35-70 degree n=450 % Correct answe 70 82 25 27	ages 35-70 degree n=62 ages 26-69 n=1009 % Correct answerz 700 82 58 25 27 24	US Adults Dostgrad. US Adults adults ages adults adults ages adults adults ages adults a

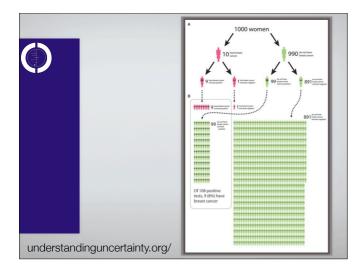
really bad at stats ? numbers

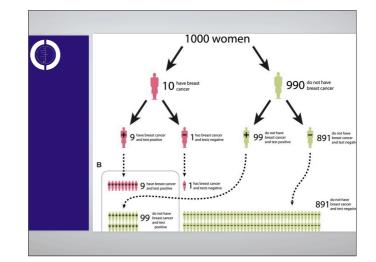


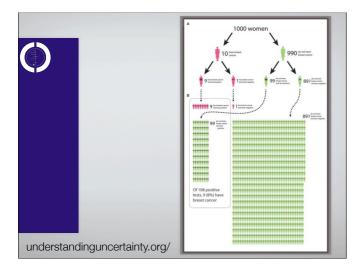
	Physi	icians		
Convert 1% to 10 in 1,000	~	All three correct		
Convert 1 in 1,000 to 0.1%	V			
Heads in 1,000 coin flips	V			



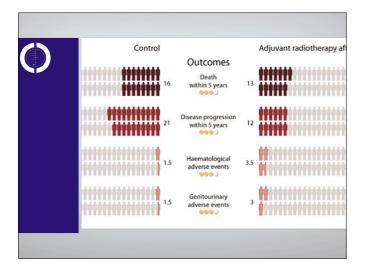
0	Presenting data in ways that patients can understand

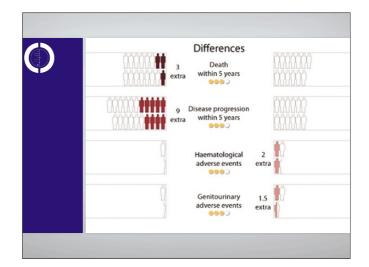


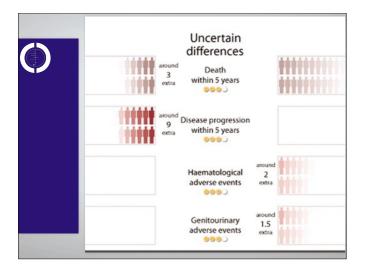


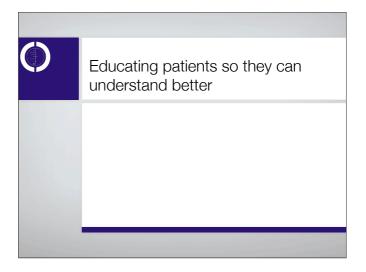


\bigcirc	A Control C	adverse events	Adjunct relationary the control a function of the control of the	
	100	Differences Death within 5 years		100
		Disease progressio tra within 5 years	• 00000	100
	100	Harmatological adverse events	2	100
	100	Genitourinary adverse events	1.5	100
	с	Uncertain differences		
	100	and Death ma within 5 years		100
	100	ond Disease progression ma within 5 years		100
	100	Haematological adverse events	2	100
	100	Geritourinary adverse events	annad 15 anna	100

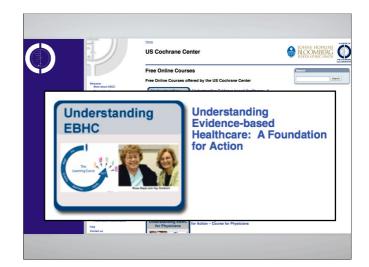


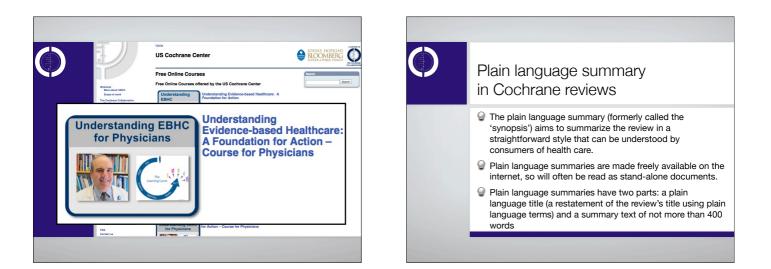


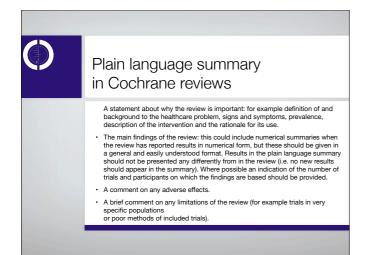














specific populations or poor methods of included trials).

