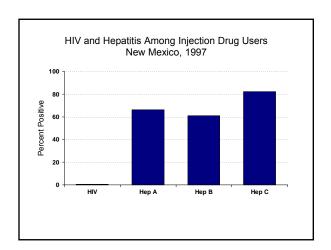
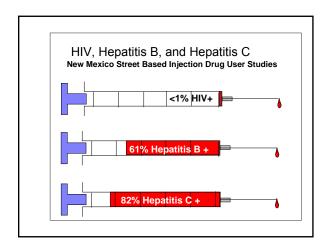
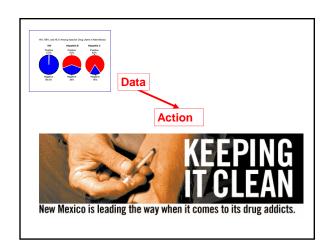


HIV and Hepatitis among Injection Drug Users New Mexico, 1997										
HIV	N <u>tested</u> 1002	% Positive 0.5	<u>95% C.l.</u> .16-1.6							
Нер А	696	66.1	62.4-69.6							
Нер В	950	61.1	57.9-64.2							
Нер С	945	82.2	79.6-84.6							



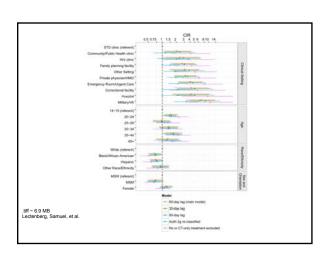


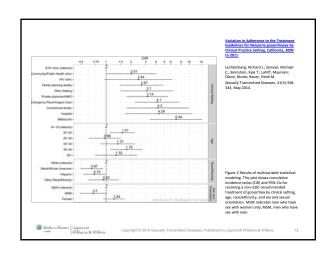


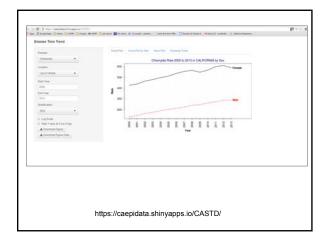
Guidelines for Effective Visual Display

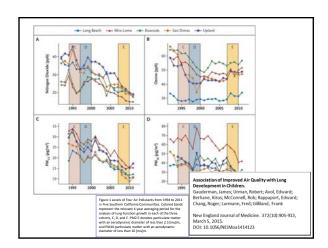
- Communicate important information
- Complexity is good, and...
- Keep it simple, stupid
- Know your audience
- Oral presentation vs. written material
- Data integrity
- Clear labels and annotations
- Use appropriate scale(s)
- Use appropriate type of chart
- Pay attention to details
- Avoid extraneous "Chart Junk"

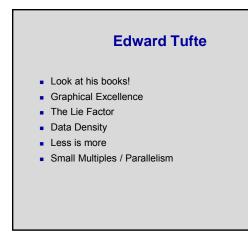
				Sensitivit	Sensitivity Analysis		
		60-day lag (final model)	30-day lag	90-day lag	Azith 2g re-classified	Excluding CT-only treatment	
	STD clinic (referent)	1	1	1	1	1	
Onkal Sening	Community/ Public Health clinic	(1.01, 4.03)	2.17 (1.12.4.21)	(1.16.4.98)	1.15 (0.66.2)	(1.01, 4.03)	
	HIV clinic	2.43 (0.95, 6.21)	2.83 (1.19.6.72)	(0.78.6.61)	(1.02, 3.92)	2.43 (0.95, 6.21)	
	Family planning facility	2.68	3.02	2.96 (1.55.5.66)	1.48	2.68 (1.46, 4.9)	
	Other Setting	3.13	2.99	3.81	1.95	3.13	
	Private physician/	(1.5, 6.51)	(1.47, 6.09)	(1.78, 8.17)	(1.08, 3.5) 1.95	(1.5, 6.51)	
	HMO Emergency Room/	(1.77, 5.58) 4.11	(1.82, 5.43)	(1.91, 6.55) 4.55	(1.29, 2.96)	(1.77, 5.58) 4.11	
	Urgent Care Correctional facility	(2.21, 7.63) 4.2	(2.21, 7.21) 4.85	(2.34, 8.84) 5.05	(1.36, 3.56) 2.14	(2.21, 7.63) 4.2	
	Hospital	(1.77, 9.98) 4.3	(2.2, 10.68) 3.97	(2.05, 12.45) 5.06	(1, 4.61) 2.19	(1.77, 9.98) 4.3	
	Military/VA	(1.69, 10.93) 6.42	(1.59, 9.93) 5.99	(1.94, 13.2) 7.81	(0.94, 5.09)	(1.69, 10.93) 6.42	
	14-19	(3.02, 13.64)	(2.87, 12.5)	(3.58, 17.04)	(1.59, 5.95)	(3.02, 13.64)	
	(referent)	1	1	1	1	1	
	20-24	1.58	(1.07, 2.01)	(1.01, 2.04)	1.57	1.58 (1.12, 2.22)	
Age	25-29	(0.61, 1.49)	(0.63, 1.46)	(0.61, 1.51)	1.1 (0.75, 1.62)	(0.61, 1.49)	
	30-34	1.38 (0.85, 2.23)	1.35	1.42	1.41	1.38 (0.85, 2.23)	
	35-44	1.76 (1.13, 2.75)	1.55 (1.01, 2.37)	1.69 (1.06, 2.69)	1.78 (1.2, 2.66)	1.76 (1.13, 2.75)	
	45+	1.33	1.31 (0.77, 2.25)	1.25	1.61	1.33	
Sex and Roor/ Orientation Ethnicky	White (referent)	1	1	1	1	1	
	Black/	0.68	0.73	0.71	0.71	0.68	
	African American	(0.49, 0.93)	(0.54, 0.99)	(0.51, 0.99)	(0.54, 0.95)	(0.49, 0.93)	
	Mispanic	(0.53, 1)	(0.55, 1)	(0.55, 1.07)	(0.58, 1.03)	(0.53, 1)	
	Other Race/	0.94	0.92	0.91	0.93	0.94	
	Ethnicity MSW	(0.62, 1.43)	(0.61, 1.39)	(0.58, 1.42)	(0.63, 1.36)	(0.62, 1.43)	
	(referent)	0.71	0.72	0.73	0.66	0.71	
	MSM	(0.48, 1.03)	(0.5, 1.04)	(0.49, 1.08)	(0.47, 0.93)	(0.48, 1.03)	
	Fernal e	1.24 (0.92, 1.68)	1.21 (0.91, 1.61)	1.26	1.12	1.24 (0.92, 1.68)	



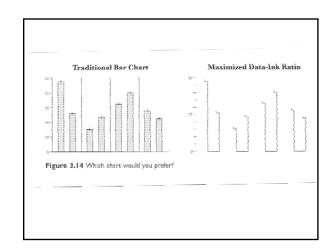


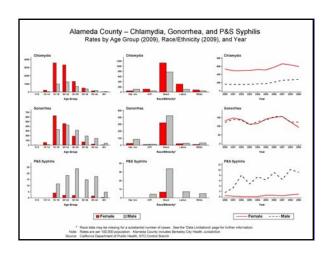


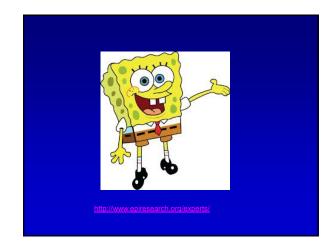










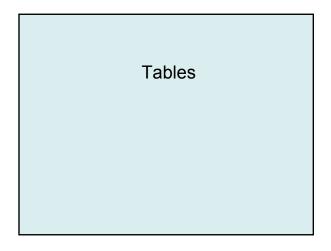


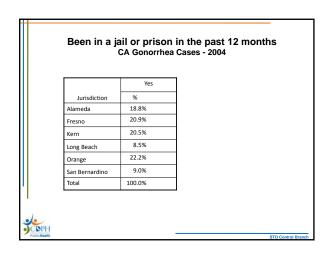
Software

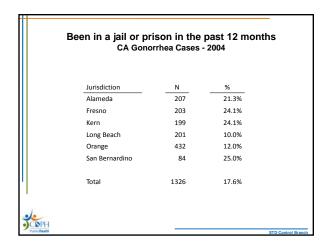


Software Stand alone graphics packages PowerPoint; Open Office Impress Great for presentations; easy to use Spreadsheets Excel Easy to use Can be difficult to modify or share Direct integration of data and figures Stat packages with graphics SAS; SPSS; Stata; Epi Info Integrate data and graphics Some "point and click", some programming Not as ideal for presentations R (S-plus) Free Complete integration of data and graphics Completely flexible graphics Harder to learn/use Specialized Software Eg. NodeEX, "NetDraw" Network analysis

Display Types Tables Line Charts Bar Charts Pie Charts Scattergrams Statistical Charts Box Plots Maps Others Hybrid

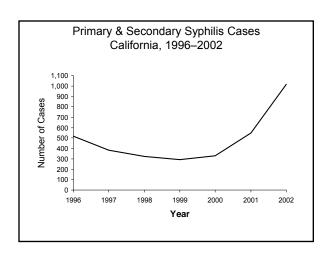


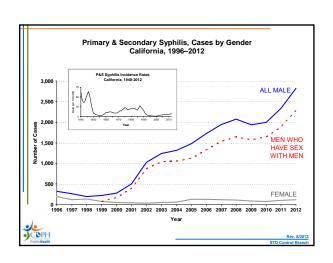


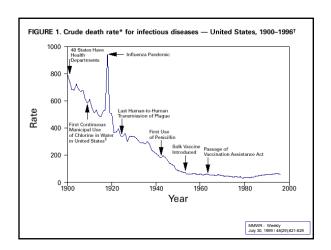


Line Graph

- · X-axis truly or close to continuous
- Simple
- · Complex: multi-line, 2-axis, logarithmic

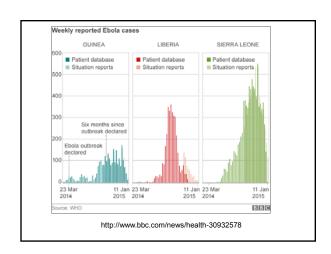


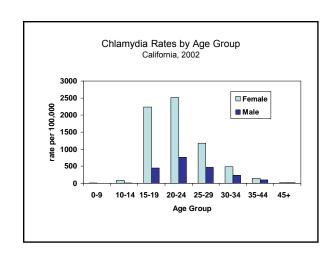


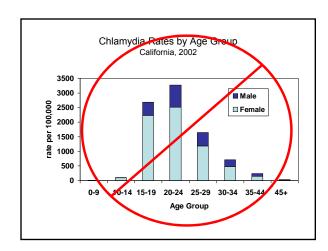


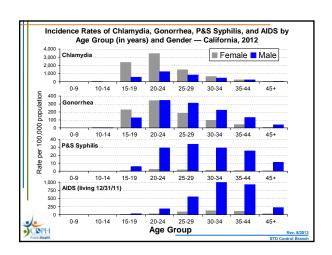
Bar Chart

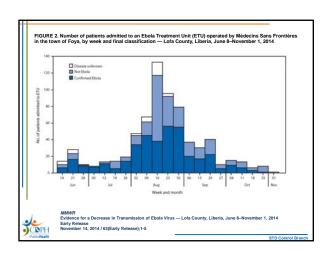
- · Very common chart type
- · Y-axis: count, rate or percent of something
- X-axis: qualitative variable, or ordered categorical variable
- · Vertical bars or horizontal bars
- Simple
- Clustered/Grouped
- Stacked
- 100%
- · Histogram=special case

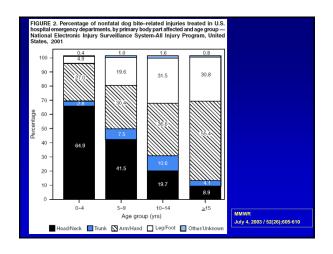


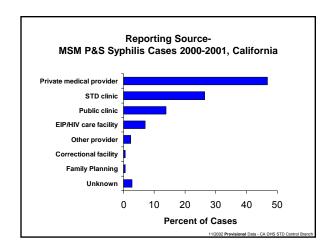


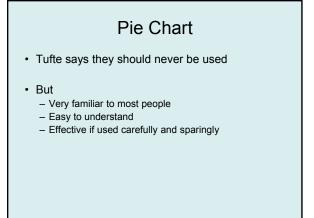


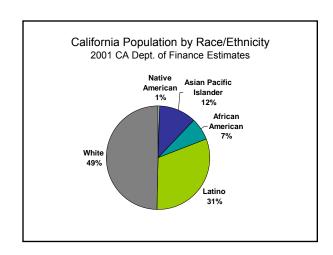


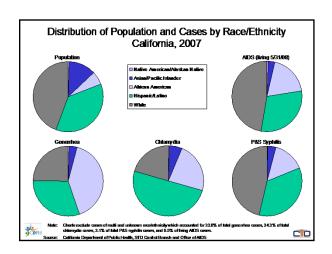


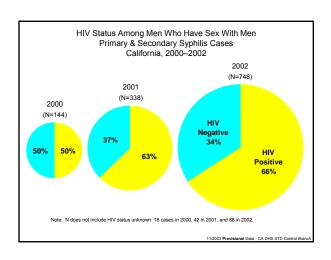


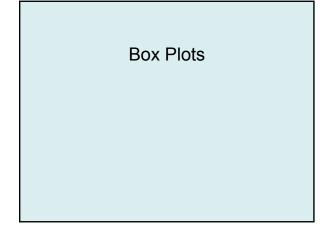


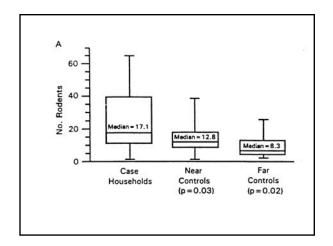




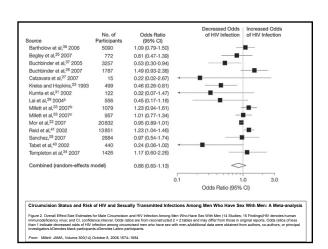




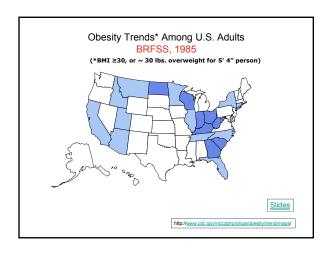


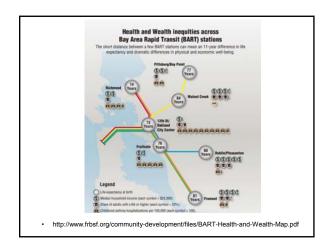


Other Statistical Graphics

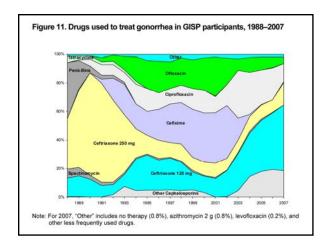


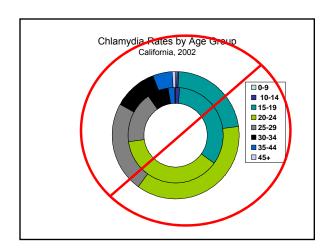
Maps

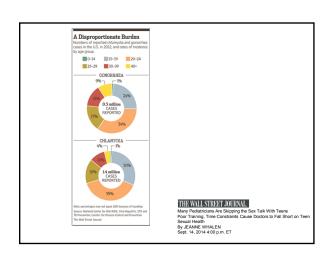


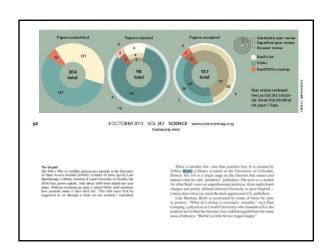


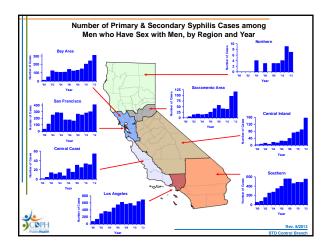
Many Other Types and Hybrids





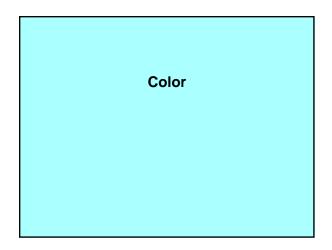






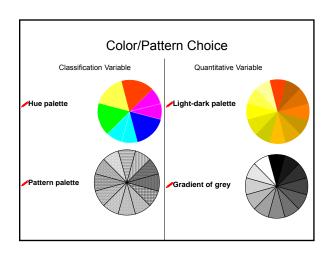
"Nut and Bolts"

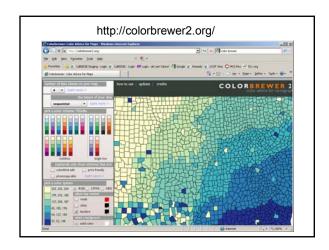
- · Scale and Proportion
- · Labels and Legends
- Grid Lines
- Color
- Animation/"PowerPoint"
- Font
- · Production/Reproduction
- Chart Junk
- Software

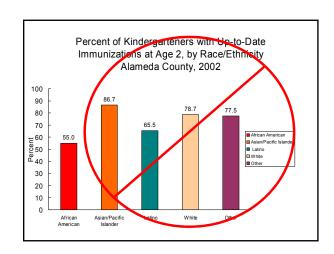


Color

- · Use for a reason
- · Use nice colors
 - Shades of BlueShade of Yellow
- Colors of NatureUse color sparingly
- can be good for Main Point, if used sparingly
- Red often does not project well with slides and LCDs
- Use consistent colors (and fonts, etc.)



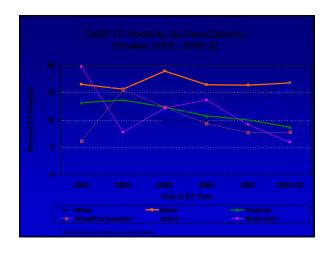












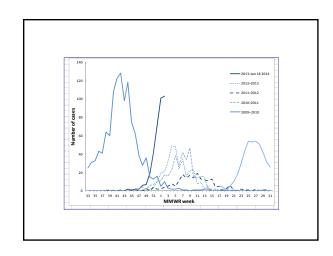
Fonts / Fonts

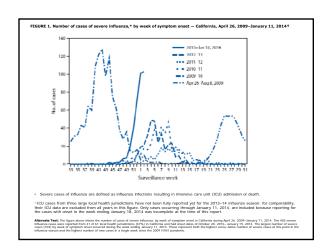
- Use San Serif Fonts, Like Arial
- Not Serif Fonts, Like Times Roman
 - They Are Harder to Read
 - · Particularly in Oral Presentations
 - When the Font Is SmallSee, Isn't This Better
- ALSO, ALMOST NEVER USE ALL CAPS - IT'S HARD TO READ TOO
- · Big Enough to read

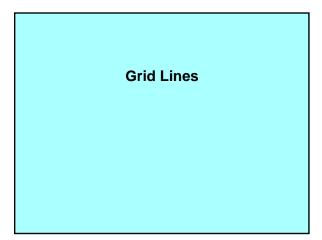
Production / Reproduction

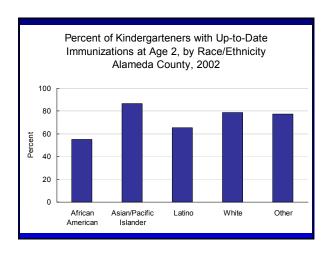
- Test printers, laptops, LCDs before full production is necessary
- · Often different colors and styles for:
 - PowerPoint oral presentation
 - Written report or manuscript
- Color
 - May not photocopy (or print) well
 - Can be expensive to reproduce
- Posters made on plotters require special consideration

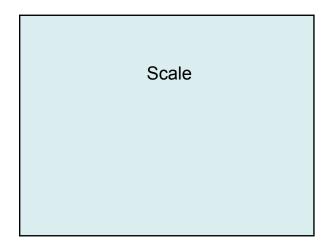
Line Type

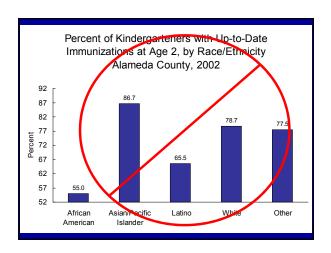




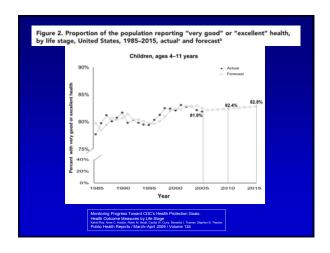


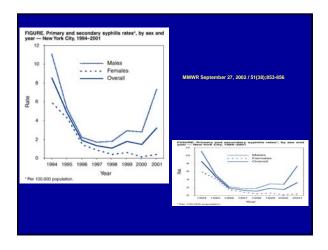


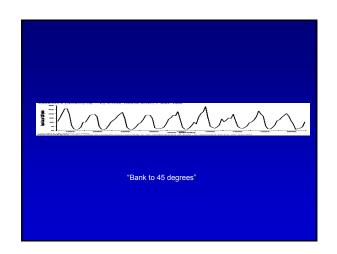


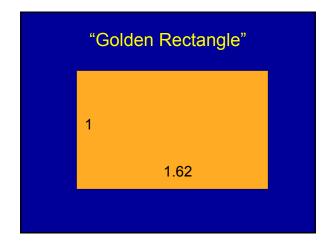




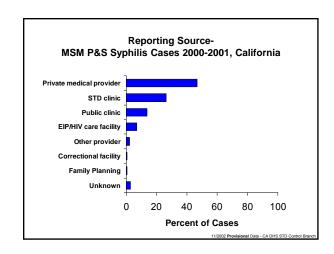


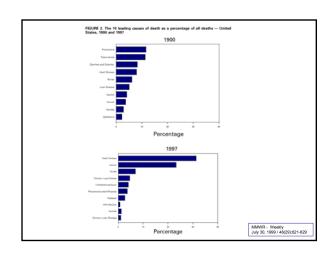


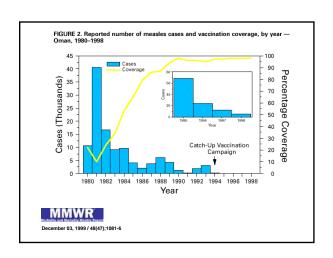


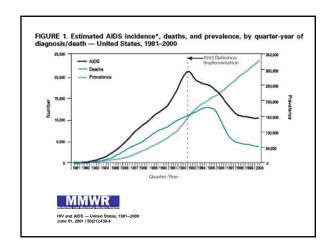


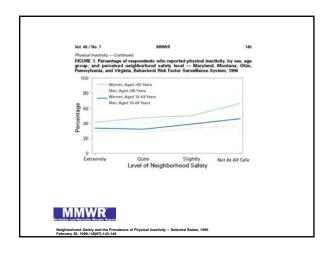


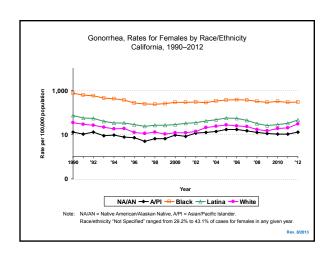


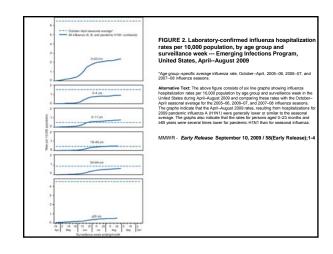




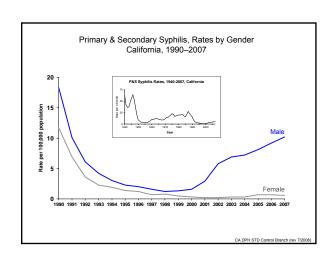


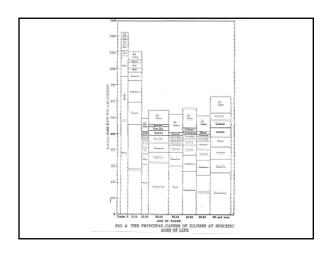


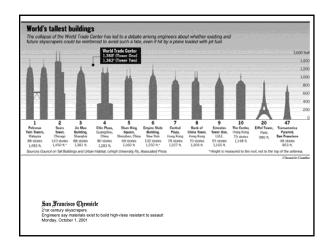




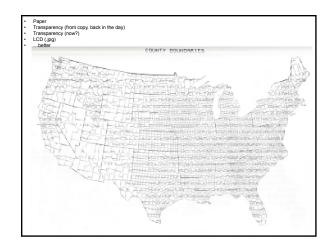


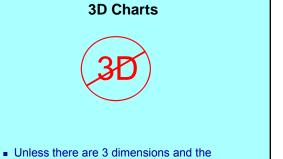




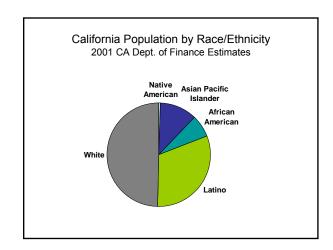


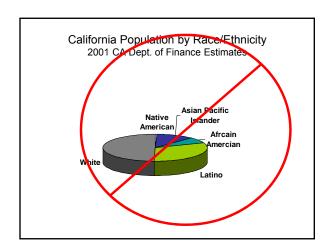
Production and Reproduction

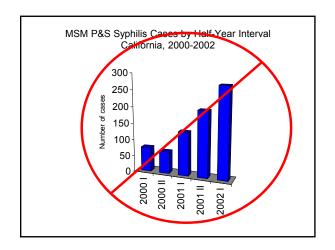


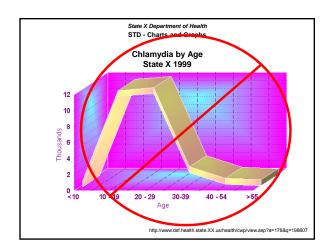


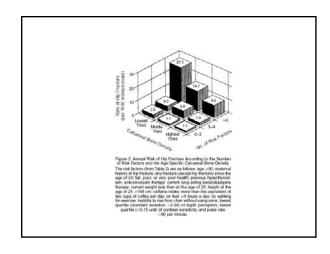
audience can handle it!

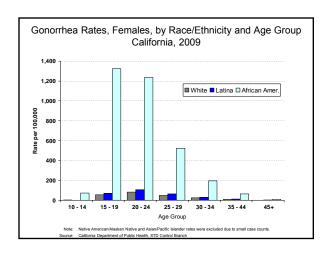


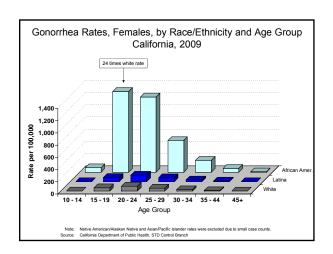


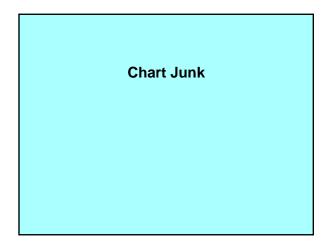


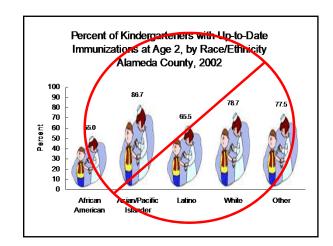


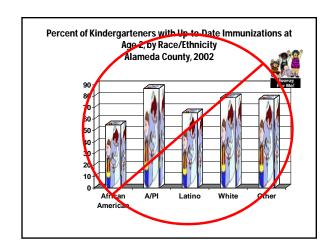




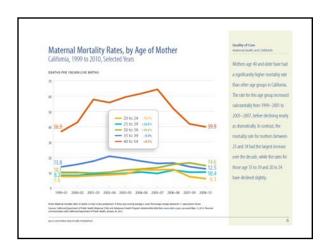


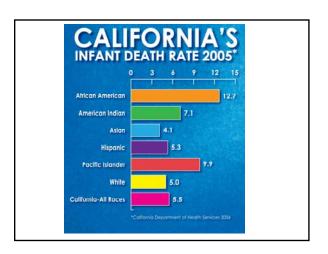




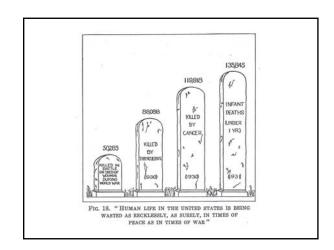


"Soften the Edges" 'The Human Touch"

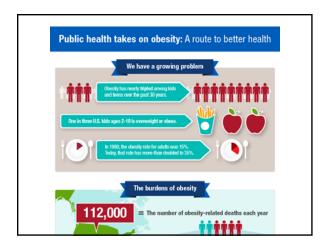




"Infographics"







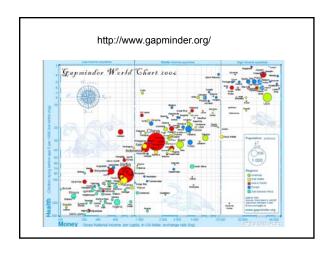
Stories...











In Conclusion Make displays that matter Know your audience Simple ↔ Complex Less is more Pay attention to "nuts and bolts" details

