## **Presenting statistical results**

Reference: Arifin WN, Sarimah A, Norsa'adah B, Majdi YN, Siti-Azrin AH, Imran MK, Aniza AA, Naing L. Reporting statistical results in medical journals. The Malaysian journal of medical sciences: MJMS. 2016 Sep;23(5):1.

Statistical tests	Table form								
Independent <i>t</i> -	Table 1: Comparison of cholesterol level between male and female.								
test	Variable Mean (		(SD)	Mean difference (95% CI)	t-statistic (df)	P-value <sup>a</sup>			
	Cholesterol (mmol/L)	Male $n = 40$	Female $n=40$	-1.08 (-1.36 -0.79)	5, -7.45 (78)	< 0.001			
		7.69 (0.644)	8.77 (0.646)						
	<sup>a</sup> Independent <i>t</i> -	test.							
Paired t-test	Table 2: Comparison of cholesterol level before and after treatment.								
	Variable	Mean (SD) $n = 30$		Mean differenc (95% CI	( )	P-value <sup>a</sup>			
	Cholesterol (mmol/L)	Before	After	0.81 (0.58	8, 7.421 (29)	< 0.001			
		136.5 (9.72)	125.0 (7.64)	1.03)					
	<sup>a</sup> Paired <i>t</i> -test.								
One-way ANOVA	Table 3: Comparison of cholesterol level between the three intervention groups.								
	Groups	n	Cholesterol (r Mean (S		F-statistic (df1, df2) <sup>a</sup>	P-value <sup>a</sup>			
	Grp A	25	7.26 (0.3	43)	173.64	< 0.001 <sup>b</sup>			
	Grp B	25	7.94 (0.3	19)	(2,72)				
	Grp C	25	8.95 (0.3	06)					
	<sup>a</sup> One-way ANOVA, <sup>b</sup> Post-hoc multiple comparison with Sidak correction shows significant difference between all intervention groups ( $P < 0.001$ ).								
Mann-Whitney U test	Table 4: Comparison of cholesterol level between male and female.								
	Variable	Me	edian (IQR)		z-statistic	P-value <sup>a</sup>			
	Cholesterol (mmol/L)	Male $n = 10$	Fema n= 10		-3.79	< 0.001			
		7.3 (0.6)	8.8 (0.	8)					
	<sup>a</sup> Mann-Whitne	y U test.							
Wilcoxon	Table 5: Comparison of cholesterol level before and after treatment.								
Signed-Rank test	Variable	Median (IQR) $n = 10$			z-statistic	P-value <sup>a</sup>			
	Cholesterol (mmol/L)	Before	Afte	er	-2.60	0.009			
		8.30 (0.40)	7.55 (1	.10)					
	<sup>a</sup> Wilcoxon Sign								

Statistical tests	Table form							
Kruskal-Wallis test	Table 6: Comparison of cholesterol level between the three intervention groups.							
	Groups	n	Cholesterol (mmol/L) Median (IQR)	$\chi^2$ -statistic (df) <sup>a</sup>	P-value <sup>a</sup>			
	Grp A	10	7.35 (0.80)	15.29 (2)	< 0.001 <sup>b</sup>			
	Grp B	10	7.80 (1.40)					
	Grp C	10	9.00 (1.10)					
	<sup>a</sup> Kruskal-Wallis test, <sup>b</sup> Post-hoc multiple comparison with Bonferroni correction shows							
	significant diffe	erence only be	etween Grp 1-Grp3 pair (A	P < 0.001).				