

3.2 Effect of gender on Mg levels

- There is no significant effect for subject gender on the Mg serum levels (P value >0.05). Both males and females, healthy or patient, have Mg serum levels within the normal range, and without any significant differences between healthy and patient subjects.
- Mg serum levels of patient males showed a little elevation compared to healthy males Mg serum levels (Cohen's $d = -0.09435$) (Table 3.3). While Mg serum levels of healthy females showed medium elevation compared to patient females Mg serum levels (Cohen's $d = 0.2651$) (Table 3.4).

Healthy Males vs Patient Males	N	Mean	P-value	Description	Cohen's d
Healthy	37	2.0322	0.714	Insignificant	-0.09435
Patient	27	2.0519			