Evaluation of Peninsula Health "Adult Vitamin D Status Management" Clinical Practice Guideline

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Nutrition and Dietetics/Pharmacy/Clinical Director of Aged Care developed an Adult Vitamin D Clinical Practice Guideline (CPG)

This CPG standardises the management of Vitamin D deficiency in Peninsula Health (PH) inpatient settings

A regular CPG review cycle focusing only on guideline content operates at PH

Aims

- Assess staff knowledge/understanding of the CPG information
- Determine if the CPG meets staff needs for guiding or changing practice in this area

Method

Online survey link – Medical and Nursing Staff/Pharmacists/Dietitians

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Eight knowledge-based multiple choice/ two 5-point Likert scale questions

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Data analysed using frequencies/ medians (IQR)

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Collated survey results emailed to respondents

Results

87 responses received from survey recipients

75% of the knowledge-based questions answered well

26% of staff incorrect re criteria for mild deficiency

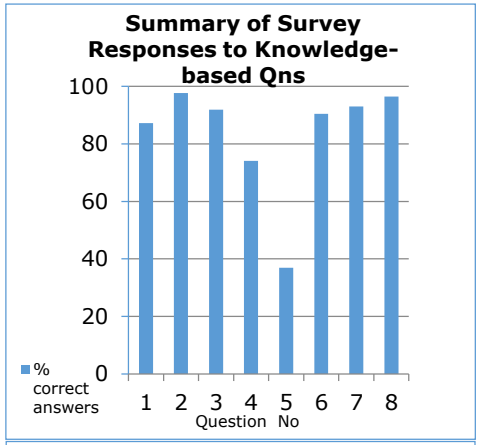
63% of staff incorrect re dose options for moderate deficiency

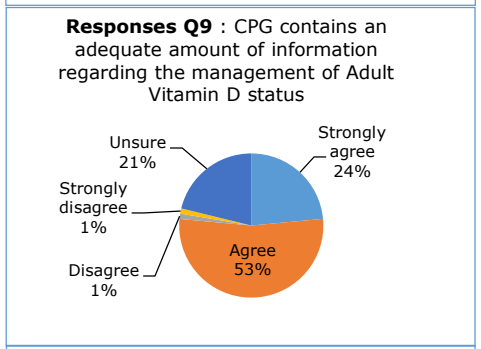
21% of staff unsure the CPG contained enough information (2% disagreed)

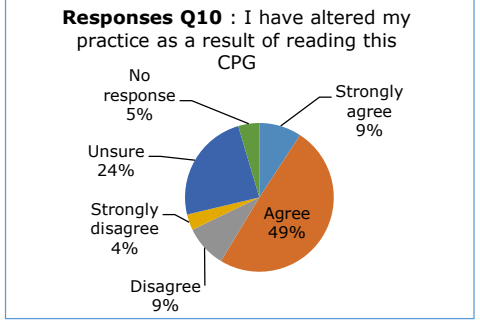
24% of staff unsure that they changed their practice (13% disagreed)

Conclusion

- Staff demonstrated a good overall knowledge of the CPG content – however two areas of knowledge gap were found: reference level for a mild Vitamin D deficiency and loading dose options for a moderate Vitamin D deficiency
- The majority of staff agreed there was enough information in the CPG and that the CPG had changed their practice – however many staff were unsure or disagreed with this







Significance of findings to Allied Health

- Highlights importance of checking staff knowledge/ understanding of CPGs
- Is a prompt for Allied Health staff who produce CPG's to -
  - ensure enough information is included to guide clinical practice
  - monitor impact on clinical practice

Recommendations

Provide summary report to PH Quality Department/ Meetings → Update the Vitamin D CPG as required

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Regularly review the CPG as per current PH guidelines → Use the expanded CPG evaluation process for all CPG reviews at PH

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