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Science Internship Program: Public Health

Civic Education
Office of Government and Community Relations
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Science Internship Program: Public Health
Improving Staff Knowledge of ADHD Related to Diagnosis and Treatment

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Abstract

The purpose of this study was to identify and correct any knowledge deficit related to Attention Deficit Hyperactivity Disorder (ADHD) among Avon Pointe staff members. A survey was given to staff members to identify knowledge deficit. Through the creation and use of an educational presentation about ADHD, staff knowledge improved.
Background

- ADHD core symptoms: hyperactivity, impulsivity, inattention
- Individuals diagnosed with ADHD are also found to have a dopamine deficiency
- ADHD is diagnosed between ages four to eighteen; child must show six or more symptoms
- Treatment: medication, psychological intervention
Background

• Vanderbilt ADHD assessment administered to parents and teachers
• Assessment submitted online to Mehealth (online portal allowing physician review and monitoring of child’s wellbeing over time)
• Parents, teachers, and physicians can collaboratively assess and treat ADHD
Purpose

- To educate Avon Pointe staff on the diagnosis and treatment of ADHD
- To encourage physicians to enroll more patients in Mehealth
- To improve conversations between staff and families regarding ADHD
Hypothesis

• The creation and application of an education plan regarding the diagnosis and treatment of ADHD will improve Avon Pointe Family Health Center staff knowledge of ADHD.
Methodology

- ADHD symptoms and treatments were reviewed
- A survey was created to measure pre-education levels
- Survey taken by sixteen staff members before viewing presentation
- Staff members viewed the presentation
- All sixteen staff members took the survey after viewing presentation to measure post-education levels
ADHD Knowledge Survey

The purpose of this survey is to determine the staff's knowledge of ADHD, how it is diagnosed, and the usage of mehealth.

Please mark whether you believe the following statements are true or false.

1. 20% of school-aged children have been diagnosed with ADHD in the United States.
   ___ True
   ___ False

2. An ADHD patient typically has high levels of neurotransmitters such as dopamine in his/her brain.
   ___ True
   ___ False

3. The core symptoms of ADHD are inattention, hyperactivity, and impulsivity.
   ___ True
   ___ False

4. ADHD is diagnosed between ages 4 and 18, but symptoms must appear before age 12.
   ___ True
   ___ False

5. ADHD is diagnosed if three or more symptoms appear in two different settings.
   ___ True
   ___ False

6. The Vanderbilt form assesses a patient’s behavior and academic performance.
   ___ True
   ___ False

7. The Vanderbilt form can diagnose anxiety and depression along with ADHD.
   ___ True
   ___ False

8. The mehealth portal allows physicians to monitor a patient’s ADHD symptoms while on treatment.
   ___ True
   ___ False

9. Parents of the ADHD patient are able to submit Vanderbilt forms to mehealth, but teachers are not.
   ___ True
   ___ False

10. Frequent submissions of the Vanderbilt forms to mehealth will provide an accurate assessment of the effect of treatment on a patient’s behaviors and school performance.
    ___ True
    ___ False

Thank you very much for completing this survey!

- Maeve
NOTE: Registered nurses missed zero questions in Survey 2.
Conclusions

• An improvement in knowledge of ADHD was shown for every staff member
• Oral presentation was effective
Recommendations

• Utilize different forms of education
• Expand presentations to other topics
References


References (cont.)


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