Mental Health Screening in an Adult Primary Care Practice: A Quality Improvement Project

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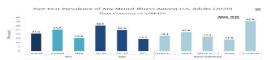


Abstract

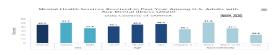
Mental health is as important as physical health, yet screenings for mental health are not routinely offered in primary care. Although depression has had increased awareness in recent years, natively, Attention Deficiti-Hyperactivity Disorder (ADHD), and other co-morbidities are often under-screened in primary care. Comorbid mental illnesses may be undetected due to similarities in symptoms. Mental health resources are limited and often understiffied. A protocol for mental health screening in primary care is a streamline process to address the lack of screening, referral, and treatment for anxiety, depression, and ADHD. A quick response (QR) code linked to a web-based screening questionnaire and mental health repository of resources provides a cost-efficient, and easy approach to screening adult patients in a primary care setting. A pre-and post-efficient, and easy approach to screening adult patients in a primary care setting. A pre-and post-implementation for review provided data for analysis to evaluate the effectiveness of this evidence-based screening protocol. Descriptive statistics and the Fischer's Exact Probability Test were used to show differences in pre-and post-implementation. Knodalf's Tau B Test was used to show correlation between mental illnesses. The utilization of a mental health protocol provided support for primary care providers and can improve outcomes for the patients shey serve.

Introduction

Mental illness affects over 50 million people (21%) in the U.S.



Approximately 24 million people (46%) received mental health services in 2020



Background and Significance

Multiple mental health disorders in the U.S

- Most prevalent
 - anxiety (19%)
 - depression (8%),
- post-traumatic stress disorder (4%)
- two or more mental illnesses (4%)

(NAMI, 2022)

Similar presentations

Often misdiagnosed or are not diagnosed at all

Review of Literature					
Author	Findings				
Coombs, et al.,(2021); Sapra, et al., (2020)	 Approachability, affordability, availability Limited funds and available services Time constraints/multiple patient demands 				
Anker, et al., (2018); Bron, et al., (2016); Coombs, et al., (2021); D'Agatt, et al., (2019); Katzman et al., (2017); Tate, (2020); Nelson and Liebel, (2018)	Similarities between disorders Complexity making evaluation/treatment difficult Frequent misdiagnosis Higher rates of psychiatric comorbidities in adults with ADHD than in the general population				
AAFP, (n.d.); Brown, et al., (2021); Cherry et al., (2018); Coombs, et al., (2021); Anker, et al., (2018); AAFP,(n.d.); Katzman, et al., (2017)	PCP can provide mental health services 1st point of contact Increase early recognition/treatment Improve patient outcomes				

Clinical Question

In an adult, primary care practice, does the implementation of a mental health screening protocol for adults ages 18-99, over a 3-month period, improve diagnosis, treatment, and referrals to behavioral health in comparison to not having a screening protocol?

Mental Health Screening Protocol



Eq. CO-ChiaConquia MCM-basel Chain (St-Quid Eq. case Moddedout American AEM - ADED Schlieger Constant (CO-Prince) Case Princes (See Fig.)



MH Survey

Incident PF & Lochest S (1995) Bakerin O. (2001)

MH Repository

Results

DA98-21 5	creating				
Rating	Depression #1	Acondo Al	Sinso A2	ADHD Screening	
Normal	44	0-7	1414		
Mis	10.18	8.0	15.18	Score	4 is not consistent with ADHD
Moderate	14.20	10 11	19.25		
Severe	2127	15 18	26.33		
Externely Severa	28,4	324	22.0		ete 4 ps connectent to ACC D

Table 1. Encounter S	creen Exam for other 1	Mental He	alth and Be	havioral l	Disorder (Z13.39)
	Screened	Not Screened				
Pre-implementation	0	49				
Post-implementation	10	23				
	Fisher's exact test	p<0.05				

Table 2. Diagnoses for	or Depression Unspecified (F32.A)	
	Diagnosed, Depression Unspecified	Not Diagnosed
Pre-implementation	11	38
Post-implementation	14	19
	Fisher's exact test	p<0.05

	Depression	Anxiety	Stress	ADHD
Depression		*<.001	*<.001	0,657
Anxiety	*<.001		*<.001	-0.097
Stress	*<,001	*<.001		0,036
ADHD	0.059	-0.097	0.036	

Depression	F32.A	No	Total	Sensitivity*	Specificity**	
Severe/Extreme	14	0	14	100%	100%	
Moderate or Lower	0	19	19			
	14	19	33			
*Correctly identifies	100% of pati	ents who l	nad a com	plaint of depr	ression with de	pression

Anxiety	F41.9	No	Total	Sensitivity*	Specificity**	
Severe/Extreme	13	0	13	61.90%	100%	
Moderate or Lower	8	12	20			
	21	12	33			

Discussion

- Evidence supports an increase in mental health screening and Depression diagnosis
- Evidence supports an improvement in Anxiety, Depression, and Psych referral
- · 100% completed ASRS screen (approx. 64% screened positive)
- · 3 BH/Psych referrals showing that there were missed opportunities
- Evidence shows similarities between Depression and Anxiety, Depression and Stress, Anxiety and Stress
- Evidence confirm that the instruments used were highly sensitive/specific

Limitations

- Staffing Shortage
- · Small Sample Size
- · Time constraints due multiple issues being addressed in an office visit
- · Only 30% were billed for a mental health screening

Conclusions

- · Mental Illness prevalent in U.S.
- · Lack of MH services
- · Mental illnesses have similar symptoms
- · PCP uniquely positioned to provide MH services
- Streamlined Mental Health Protocol in primary care Increased screening/depression diagnosis
 - ❖Correlation between depression/anxiety/stress
 - ❖Missed opportunities for screening/referrals

Directions for Future Research

- Future Research
 - ❖Expansion to other primary care office
 - ❖Application to other chronic diseases such as chronic pain
 - Application to other age groups such as adolescents
 - ❖ Further analysis of the frequency of using the repository

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References



