

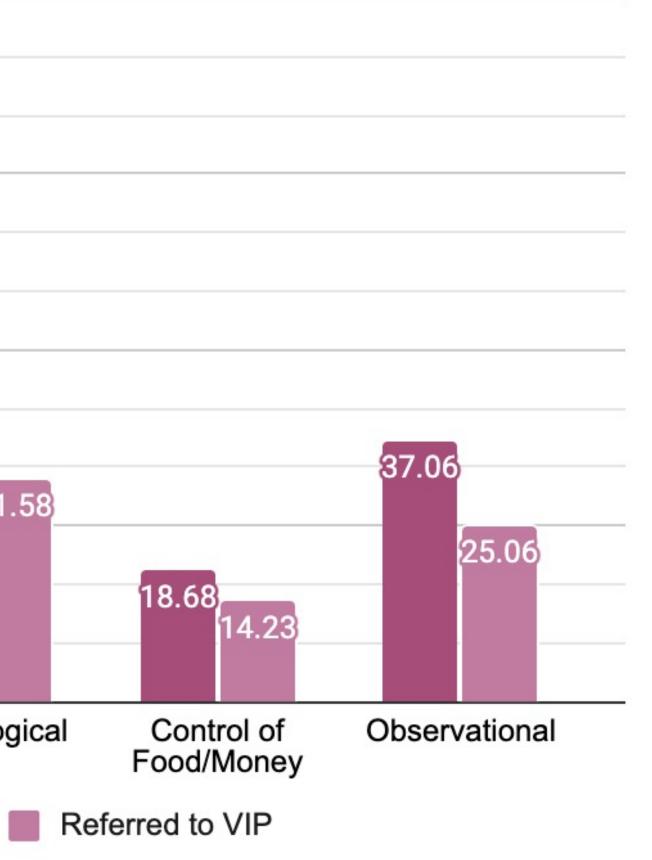
## PREVALENCE AND CHARACTERISTICS OF VIOLENCE AGAINST PERSONS AT Parkland Healt PARKLAND HOSPITAL Anjali Kalra, Alaina Beauchamp, MPH, Heather Scroggins, MSN, RN-BC, Brittany Pahl, PHD, Amanda Pitt, MBA, BSN, RN, Andrea Skaliks, Katelyn Jetelina, MPH, PHD University Of Texas Health Science Center School of Public Health, Dept of Epidemiology, Dallas Campus **Non-Hispanic Black** was the most represented race/ethnicity for VAP positive patients at 43.58%, followed by Hispanic (28.21%), BACKGROUND RESULTS Non-Hispanic White (26.35%), and Non-Hispanic Other (1.86%) **English** was the predominant language among VAP positive A total of 67,535 patients were screened at the Parkland ED between January 2021- July 2021. There patients (89.40%) were 1,349 encounters positive for VAP. 861 encounters positive for VAP were referred to VIP. • VAP positive patients spent a median of **321 minutes** in the ED, while VAP negative patients spent a median of 349 minutes Table 1. Encounter-level Differences in Patient Characteristics Across Screening Outcomes Figure 1: Percentage of VAP Positive Encounters and Referrals to (N=67,535) *VIP by VAP Type (N=1,349)* Positive (N=1,349)• The percentages in the figure don't add to 100%. This is because Sex some VAP positive patients were positive and referred to VIP for 939 (69.61) Female Male 410 (30.39) more than one type of VAP Age (years), mean (standard deviation)§ 37.87 (14.59) • The most prevalent VAP was physical abuse (71.76%), followed Race/ethnicity by psychological VAP (39.21%), observational signs VAP (37.06%), NH White 355 (26.35) 587 (43.58) NH Black sexual VAP (31.36%), and control of food or money VAP (18.68%) NH Other 25 (1.86) Hispanic 380 (28.21) In total, 63.83% of patients who had positive screens were **referred** Language Spoken to VIP 1206 (89.40) English Spanish 133 (9.83) • The number of VAP positive encounters referred to VIP was 10 (0.74) Other highest for physical VAP (48.33%), followed by psychological VAP **OBJECTIVE** Time Spent in ED (minutes), median 321 (290) (interquartile range)§ (31.58%), observational VAP (25.06%), sexual VAP (24.68%), and \*p<0.05; \*\*p<0.0001 control of food or money VAP (14.23%) † tests of independence compare positive vs. negative results among screened encounters continuous measures display Z statistic from Wilcoxon rank sum test NH= non-Hispanic; ED= emergency department Missing data: n=191 race/ethnicity; n= 129 language CONCLUSIONS Figure 1: Percentage of VAP Positive Encounters and Referrals to VIP by VAP Type (N=1,349)\* 100 • Our results showed evidence of successful implementation of a broad screening program for VAP at a large safety net hospital • The rate of VAP identified through the screening protocol at 2.00% METHODS was greater than the national average of 1.60% identified in 2020 • VAP positive screens were more prevalent in young patients, women, and non-Hispanic Black identifying patients. This has important implications for studying the potential compounded effects 50 of gender and race on VAP • Around one third of patients who were VAP positive were not referred to VIP. This could be because patients declined referral services or because of time constraints during the visit 25 25.0 8.68 **Public Health Implications** • These results can inform future implementation of the expanded Physical Sexual Observational Psychological Control of VAP screening program Food/Money • Further research on gender and race/ethnicity patterns for VAP Encounters Positive for VAP Referred to VIP positive patients can provide insight for targeted interventions • Analysis of the referral system to VIP can shed light on how to \*Note that many VAP positive patients screened positive and were referred for more than one type of VAP ensure access to services for all VAP positive patients Table 1. Encounter-level Differences in Patient Characteristics Across Screening Outcomes (N=67,535)

- Violence Against Persons (VAP) includes both interpersonal violence and human trafficking
- The incidence of VAP in 2020 was reported as 1.6%
- Victims of VAP experience **multiple health issues** including chronic diseases and mental health disorders
- Trauma Informed Care training (TICI) of healthcare professionals and referral systems for victim services are currently inadequate to properly address VAP
- **Screening tools** are often implemented to only specific at-risk populations
- Widespread systematic screening of all patients for VAP across hospital systems can improve detection of VAP

To examine the prevalence of VAP and evaluate characteristics of VAP-positive patient encounters at a large safety-net hospital after implementation of an expanded screening program.

- A new expanded VAP screening program in the Emergency Department (ED) at Parkland Health and Hospital system was implemented in January 2021
- The program involved 1) a mixed four-question survey and observational procedure, 2) a strengthened referral pathways to Parkland's Victim Intervention Program/Rape Crisis Center (VIP), and 3) clinical education on VAP to nursing staff who implemented the screening
- This study was a **prospective chart analysis** using Electronic Health Records (EHR) data for all patients who received the new VAP screening from January 2021-July 2021
- The screening tool categorized VAP into five corresponding types: psychological, sexual, control of food or money, physical abuse, and observational signs including body language, injury, and appearance
- A **positive screen** was recorded if any of the five categories had a positive response
- Statistical analysis was conducted using SAS 9.4. software and included univariate descriptive analysis and bivariate statistics (frequencies, chi square, Wilcoxon rank sum)
- 1,349 (2.00%) of all screens were positive for VAP
- More females than males were screened overall
- VAP positive patients were on average 38 years old, while VAP negative patients were on average 44 years old
- **Females** accounted for 69.61% of VAP positive screens in comparison to males (30.39%)

Negative	
(N= 66,186)	Chi-Square <sup>†</sup>
	177.94**
33936 (51.27)	
32250 (48.73)	
43.78 (16.22)	-13.54**
	290.92**
9471 (14.35)	
22286 (33.77)	
1630 (2.47)	
32610 (49.41)	
	286.80**
44740 (67.73)	
20369 (30.84)	
948 (1.44)	
349 (296)	-4.83**





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