Operation MindShield

Age: All | Gender: All | Soldier_ID: All

Welcome To

AI-Powered PTSD Risk Prediction,
Alerts, and Soldier Well-being Dashboard

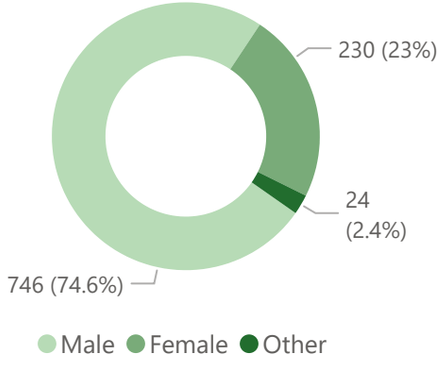
Total Soilders
1000

High Risk Soilders
101

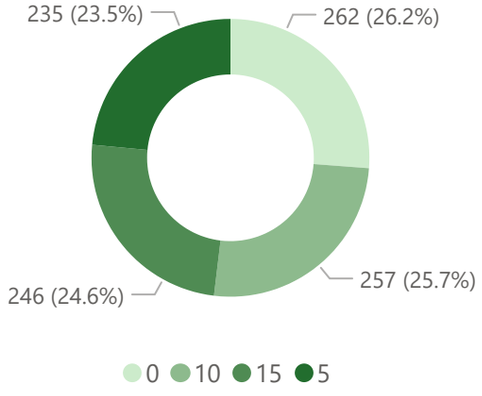
Low Risk Soilders
244

Average Age
36.51

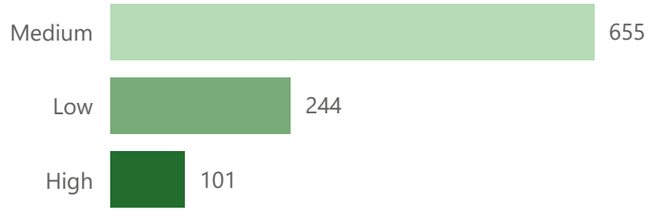
Gender Distribution of Soldiers



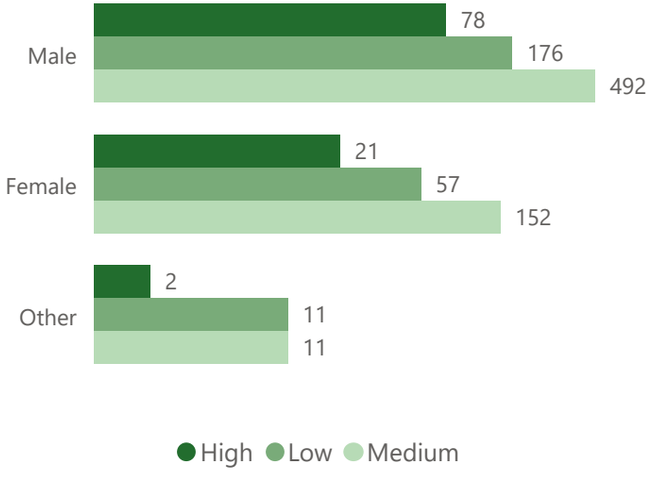
Deployment Years Distribution



Distribution of PTSD Risk Levels



PTSD Risk Distribution by Gender



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Gender: All

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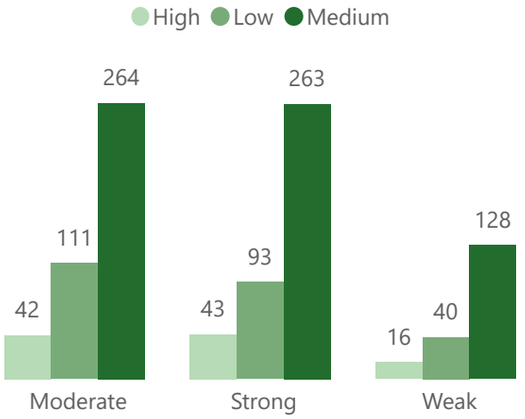
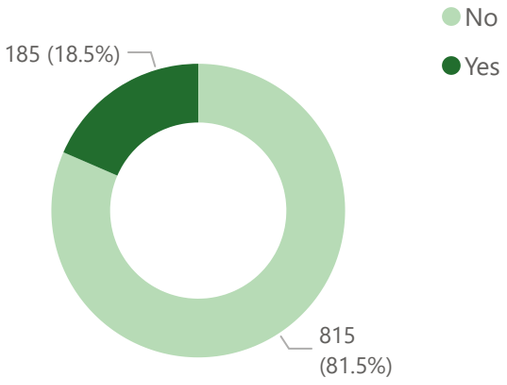
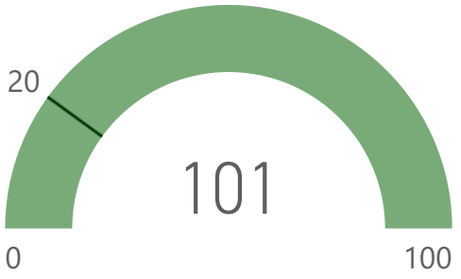
PTSD Risk by Availability of Support Systems



Effect of Family History on PTSD Risk

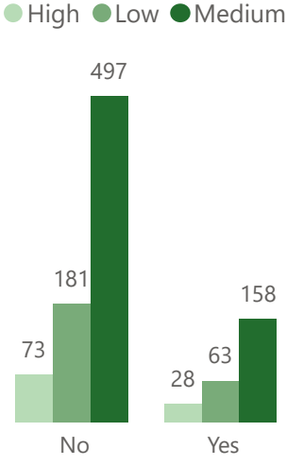


High PTSD Risk Percentage

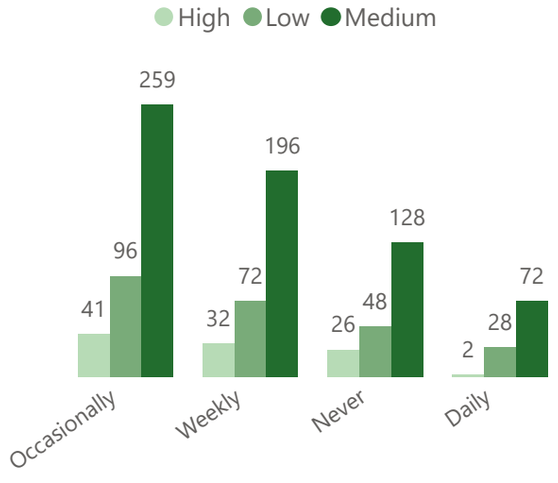


Combat Exposure Impact on PTSD Risk

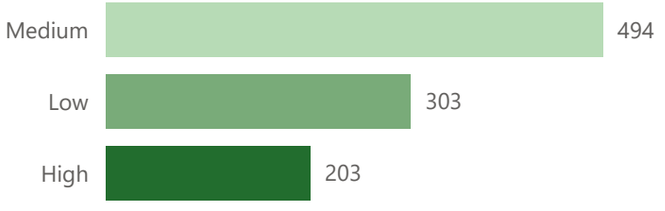
Injury History vs PTSD Risk Distribution



Impact of Alcohol Consumption Frequency on PTSD Risk



Financial Stress Level vs PTSD Risk



Operation MindShield

Age: All

Gender: Female

Soldier_ID: All

Avg Sleep Disorder Score
5.39

Avg Depression Score
5.44

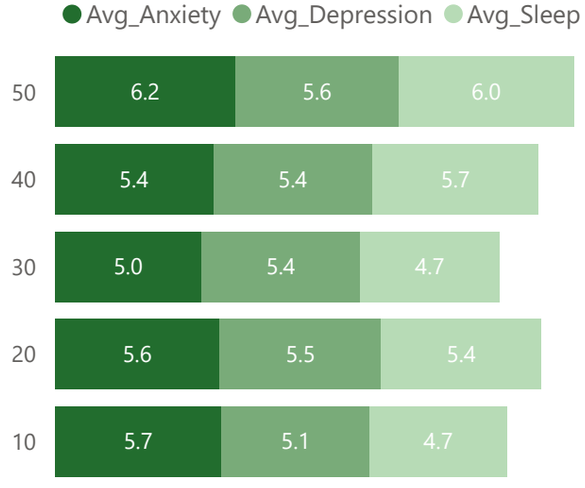
Avg Anxiety Score
5.53

High Risk Percentage
9.13%

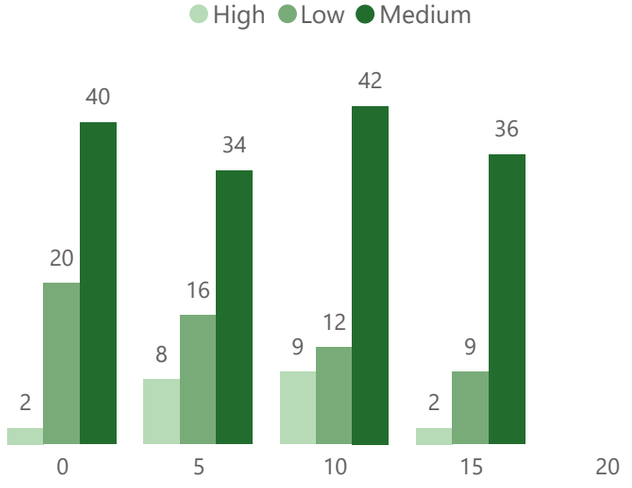
PTSD Risk by Financial Stress Level (%)

Financial_Stress_Level	High	Low	Medium	Total
High	9.62%	28.85%	61.54%	**100.00%**
Low	9.84%	21.31%	68.85%	**100.00%**
Medium	8.55%	24.79%	66.67%	**100.00%**
Total	**9.13%**	**24.78%**	**66.09%**	**100.00%**

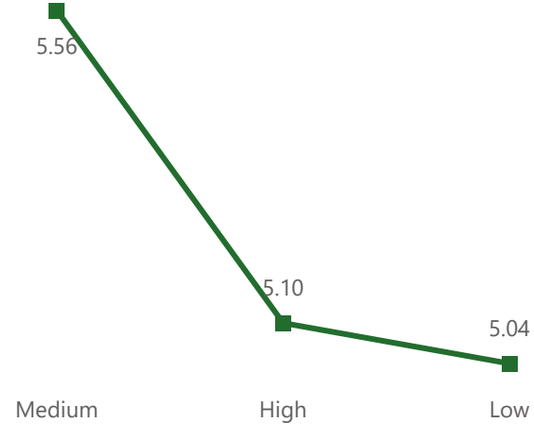
Mental Health Scores by Age Groups



PTSD Risk vs Years of Deployment



Average Sleep Disorder Score by PTSD Risk Level



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Correlation Heat Map: Anxiety vs. Depression Levels

Anxiety_Bucket	0-2	3-5	6-8	9-10	Total
0-2	46	53	58	53	**210**
3-5	55	77	81	55	**268**
6-8	66	92	90	56	**304**
9-10	38	75	60	45	**218**
Total	**205**	**297**	**289**	**209**	**1000**

Protecting those who protect us, every mind matters."
– Operation MindShield

Injury History Percentage

24.90

Frequent flashback percentage

40.40

Detailed Soldier Insights Table

Soldier_ID	Gender	Age	Predicted_Risk_Level	Deployment_Years	Injury_History	Flashbacks_Frequency	Anxiety_Score	Depression_Score	Alcohol_Consumption_Frequency
S0002	Male	32	High	12	No	10	10	8	Occasionally
S0005	Male	36	High	0	Yes	9	7	6	Never
S0009	Male	41	High	11	No	9	10	9	Weekly
S0020	Female	29	High	2	No	9	10	5	Weekly
S0028	Male	54	High	9	No	9	9	6	Occasionally
S0035	Male	31	High	8	No	10	10	9	Occasionally
S0041	Male	24	High	13	Yes	8	10	10	Weekly
S0046	Female	53	High	15	No	7	9	10	Weekly

Total