



Addressing Unmet Medical Needs in NeuroPsychiatry Through Precision Neuroscience

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The Unmet Medical Need of Post-Traumatic Stress Disorder (PTSD)

In any given year, 5% of Adults,
More Than 300 Million,
Will Have PTSD³



- **Post Traumatic Stress Disorder** develops after witnessing a **life-threatening event**, causing fear, terror, or helplessness. (e.g. sexual assault, domestic abuse, accidents, certain medical diagnosis, war zone experience)
- **PTSD** as an **independent disorder** is still relatively new by medical standards (DSM3 in 1980 , **Independent Disorder in 2013 – DSM-5**)⁴
- Diagnosis and corresponding treatment is typically delayed for months due to **unwillingness to report or misdiagnosis**
- **Debilitating symptoms** negatively impact Patient's **Quality of Life**
 - Arousal and hyperreactivity
 - Trigger Avoidance
 - Paralyzing thoughts and feelings,
 - Intrusive thoughts and nightmares⁴
- **PTSD** has been linked to **Major Depressive Disorder (MDD), Treatment-Resistant Depression (TRD)**
- **20%** of **PTSD** Patients will Attempt **Suicide**
- **Women** are **2x** More Likely to Develop **PTSD**

³ VA: National Centers for PTSD, 2024, "Understand PTSD", <https://www.ptsd.va.gov/PTSD/understand/index.asp>

⁴ American Psychiatric Association: (2013). Diagnostic and statistical manual of mental disorders (5th ed.). Arlington, VA: Author

Women and PTSD : a specific focus?

***Women are twice
as likely
as men to develop
PTSD***

Post-traumatic stress disorder (PTSD) is a significant health issue for women due to several factors:

1. **Higher Prevalence: Women are twice as likely as men to develop PTSD¹.** This increased vulnerability is partly because women are more likely to experience certain types of trauma, such as sexual assault and domestic violence².
2. **Intense Symptoms: Women with PTSD often exhibit different symptoms compared to men.** They are more likely to experience internalizing symptoms like depression and anxiety, and they may startle more easily, feel more distractible, and experience emotional distress and numbness¹³.
3. **Impact on Daily Life: PTSD can significantly affect a woman's mental, emotional, and physical well-being.** It can lead to difficulties in maintaining relationships, holding down a job, and performing daily activities⁴.
4. **Long-term Effects: The impact of PTSD on women can be more severe and long-lasting compared to men.** This is due to a combination of genetic, hormonal, and life experience factors¹.



- The organization is supported by accomplished women leaders and renowned scientific experts



Reina Benabou, MD, PhD
Chief Medical Officer



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Scientific Advisor



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- The mechanism and data behind our lead product concept indicate a potential focus on early intervention -beneficial for addressing PTSD in women
- Recruiting women for the clinical trial –as early as Phase I- will enable the early integration and evaluation of specific parameters within our development plan.