NourishED Research Foundation

Empowering Hope Project: Community-Based Solutions for Mental Health Disparities

September 2024

 $nourished@nourishedrfi.org \mid \underline{www.nourishedrfi.org}$





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I. NourishED (NRFi) Mission, Motto, & Aims

1. NRFi Mission

NourishED Research Foundation (NRFi) is a 501(c)(3) nonprofit research foundation that uses research to empower breakthroughs in the awareness, understanding, prevention, detection, diagnosis, treatment-seeking, treatment access, treatment outcomes, and lived experiences of individuals with eating disorders and other issues related to social justice, equity, diversity, inclusion, stigmatization, access, marginalization, and validation (**JEDI-SAM**). We do this through ongoing community-based outreach and research efforts that prioritize the narratives, lived experiences, barriers, and needs of individuals with eating disorders. We also prioritize equal-access options for treatment and health self-efficacy for eating disorders, for everyone.

2. NRFi Motto

NourishED Research Foundation (NRFi): Nourishing Knowledge, Empowering Hope, for Eating Disorders, for Everyone!

3. NRFi Aims

At NourishED (NRFi), our overall aims are two-fold and align with our overall mission:

A. Community-Based Outreach Initiatives

Use community-based outreach initiatives to empower breakthroughs in the awareness, understanding, prevention, detection, diagnosis, treatment-seeking, treatment access, treatment outcomes, and lived



experiences of individuals who experience eating disorders and other issues related to social justice, equity, diversity, inclusion, stigmatization, access, marginalization, and validation (JEDI-SAM).

B. Community-Based Research

Use **community-based research** to empower breakthroughs in the awareness, understanding, prevention, detection, diagnosis, treatment-seeking, treatment access, treatment outcomes, and lived experiences of individuals with eating disorders and other issues related to JEDI-SAM. We do this through ongoing community-based research efforts that prioritize the narratives, lived experiences, barriers, and needs of individuals with eating disorders and other issues of JEDI-SAM.



II. NourishED At A Glace

1. What is NourishED?

NourishED Research Foundation (NRFi) is a nonprofit organization that raises awareness about eating disorders and their social justice issues to create a better future for everyone.

2. Why Should I Care About Eating Disorders?

Eating Disorders impact millions. Binge eating disorder (BED) is the most common eating disorder, with up to 35% of Americans experiencing BED at some point in their life. Despite its high prevalence, BED is widely undetected, under-screened, under-diagnosed, and untreated, leaving millions to navigate their eating disorders without support (see <u>Bray et al., 2022</u> for references).

Current data finds that 75-95% of folks who have binge eating disorder never receive a formal diagnosis or treatment and often fail to recognize the underlying eating disorder psychopathology in themselves see (Bray et al., 2022 for references). They often believe they are "fat and lazy" even though that is far from the case. Moreover, ~85% lack access to healthcare altogether (see Bray et al., 2022 for references).

3. Who Can Have an Eating Disorder?

There is an outdated misconception that ascribes eating disorders to "Skinny White Affluent Girls" (the "SWAG stereotype;" see <u>Bray et al., 2022</u> for references). Historically, this demographic saturates treatment populations



and research studies that recruit from treatment centers. However, this demographic represents only ~5-25% of eating disorders.

For example, BED has 2-3 times higher risk and prevalence rates in individuals who use government assistance and in BIPOC and LGBTQ2+ community members, underscoring the social justice roots that underpin binge eating (see <u>Bray et al., 2022</u> for references).

4. How are Eating Disorders Related to Social Justice?

NRFi's founder and director, Dr. Brenna Bray (PhD) has identified 12 environmental factor that experts most commonly associate with binge eating disorder (<u>Bray et al., 2022</u>):

- Invalidating environments and experiences.
- Systemic issues and systems of oppression.
- Marginalized and under-represented populations.
- Economic status.
- Stigmatization and its psychological impacts.
- Trauma and adversity.
- Food insecurity.
- Interpersonal factors.
- Social messaging and social media.
- Nutrition scarcity.
- Predatory food industry practices.



• Research and clinical gaps.

5. References

Bray B, Bray C, Bradley R, Zwickey H. Binge Eating Disorder Is a Social Justice Issue: A Cross-Sectional Mixed-Methods Study of Binge Eating Disorder Experts' Opinions. Int J Environ Res Public Health. 2022 May 20;19(10):6243. Doi: 10.3390/ijerph19106243. PMID: 35627779; PMCID: PMC9141064. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9141064/

6. What We Do At NourishED

At NourishED, we raise awareness about eating disorders and their social justice implications to help support under-resourced individuals with eating disorders and the systems they engage with. We also improve the environments eating disorders occur in to create a better future for everyone. We do this using a four-pronged approach.

A. Direct Support to Under-Resourced Individuals with Eating Disorders.

At NourishED, we develop and distribute eating disorder resources that are affordable, accessible, and socioculturally sensitive, inclusive, and responsive to provide direct support to the ~75-95% of individuals with eating disorders who navigate their experiences without clinical support.



B. Empower Health and Service Workers to Support Eating Disorder Care.

At NourishED, we provide accredited healthcare trainings for health and social workers. We use research findings to improve eating disorder detection, screening, diagnosis, management, care, and bedside manner. Our trainings help providers avoid the stigmatization, discrimination, and other treatment barriers that lead to healthcare avoidance and other missed opportunities for eating disorder detection, screening, diagnosis, and support.

C. Change the Environments Eating Disorders Occur In.

At NourishED, we use social media campaigns, public speaking engagements, and community-centered education and outreach activities to raise awareness about binge eating and its social justice implications and improve the environment eating disorders occur in, creating a better future for everyone.

D. Use Research to Improve Eating Disorder Awareness and Support.

At NourishED, we collect and disseminate information about the ~75-95% of under-resourced individuals with eating disorders to better understand and respond to their needs.

7. Join Us!

NourishED is a nonprofit organization (501(c)(3) status under review). We rely entirely on the support and donations of our volunteers, donors, and

subscribers like you. It's supporters like you that keep us going. We deeply value your engagement!

8. Want More?

- Follow us on Social Media (LinkedIn, Facebook, Instagram, Twitter, YouTube): https://linktr.ee/nourishedrfi.
- Subscribe to our newsletter here!
- Share our socials and newsletter subscription with your network!
- Donate! We rely on your support! (Donate here).
- Read Dr. Bray's 2022 publication "Binge Eating Disorder is a Social Justice Issue" here.

9. Anything Else?

Anything else you want? Please let us know at nourished@nourishedrfi.org.

10. Thank You!

NRFi is a nonprofit organization. We rely entirely on the support and donations of subscribers like you, and we deeply value your engagement. THANK YOU!



III. The NourishED Story

The NourishED Research Foundation (NRFi) is a nonprofit organization that uses research knowledge and empower hope for under-served individuals and communities with eating disorders (EDs) and their social justice roots. Founded and directed by Dr. Brenna Bray, an esteemed researcher with a track record of federal funding from the National Institute of Health, NRFi leverages Dr. Bray's expertise in Biomedical Science, Neuroscience, Complementary and Integrative Health, and EDs to create a better future for everyone.

Dr. Bray's personal experience with a binge-type ED (BED), her recovery through a community-based, mutual-help intervention, and her clinical service, research, and leadership experiences inspired her to found NRFi. Dr. Bray's research sheds light on a misconception that ascribes EDs to "skinny, white, affluent girls" with anorexia nervosa (the "SWAG stereotype"). This demographic saturates treatment-seeking populations but represents <5% of all individuals with EDs (see Bray et al., 2022). Dr. Bray's research reveals that 85-95% of individuals with EDs never receive a formal diagnosis or treatment, lack access to healthcare, and are historically overlooked in research, clinics, and socioculturally. For example, individuals who use government assistance and members of the BIPOC and LGBTQ2+ communities have 2-3-fold higher risk and prevalence rates of BED than their white cis-gendered heterosexual financially secure peers (Bray et al., 2022). Dr. Bray's research identifies key environmental factors that contribute to EDs, including invalidating environments, marginalization, stigmatization, discrimination, economic and food insecurity, and trauma (Bray et al., 2022). NRFi addresses these factors through

community-based solutions that support individuals and communities with EDs while also improving the environments EDs occur in.

NRFi prioritizes equal-access research and health empowerment options for the ~95% of individuals who suffer with EDs in silence. Our BED platform aims to serve >3 million individuals in Denver with ED resources that are free, virtually accessible, trauma-informed, and socioculturally sensitive and response. We aim to provide accredited training resources for healthcare and social service workers in Denver and nationally that address a variety of under-recognized issues and treatment barriers in EDs (e.g., the "SWAG stereotype," under-screening and diagnosis, healthcare stigmatization and discrimination, treatment costs, access, and scalable treatment options). These trainings support detection and care of underserved EDs and the community members who serve them. Our social media campaigns and public speaking engagements also raise awareness about EDs and their social justice implications to change the environments EDs occur in. We currently reach >30,000 individuals on a budget of <\$200. We believe that through local actions today we can create a better future for everyone. We welcome all who want to join us.

References:

Bray B, Bray C, Bradley R, Zwickey H. Binge Eating Disorder Is a Social Justice Issue: A Cross-Sectional Mixed-Methods Study of Binge Eating Disorder Experts' Opinions. Int J Environ Res Public Health. 2022 May 20;19(10):6243. doi: 10.3390/ijerph19106243. PMID: 35627779; PMCID: PMC9141064.



IV. Under-Served Eating Disorders & Their Social Justice Underpinnings

Eating disorders (EDs) and binge ED (BED) are significant community health issues in Denver and globally, particularly among under-resourced populations (1-5). They impact mental, physical, and emotional health in individuals and communities while their environmental underpinnings are often overlooked.

BED, the most common ED, is characterized by binge episodes that involve uncontrollable overeating marked by distress, guilt, shame, and adversity/trauma (1). Epidemiological data finds up to 31% of Americans are diagnosed with BED in their lifetime. In Denver, BED is estimated to impact >3 million individuals, based on the use of food banks, community health clinics, and weight and ED centers and the known rates of economic and food insecurity, obesity, and lack of healthcare access in BED (e.g., 2,3). Individuals who use government assistance and members of the BIPOC and LGBTQ2+ communities face 2-3 times higher BED risk and prevalence rates, underscoring BED's social justice roots (3).

The impacts of BED extend beyond community health, significantly increasing risk for depression, anxiety, substance use, obesity, heart disease, and diabetes (4). These comorbidities are associated with BED but often stem from the environmental factors that underpin BED and many other physical and mental health issues (3). For example, Dr. Bray's research identifies key environmental factors that contribute to EDs and BED, including invalidating environments, marginalization, stigmatization, discrimination, economic and food insecurity, nutrition scarcity, poor food environments, adversity, and trauma (3).



Despite its prevalence, BED detection and treatment rates are low, with < 5% of individuals with BED ever receiving a formal diagnosis and up to 87% navigating their lives without treatment access (3). Dr. Bray's research uncovers a variety of treatment barriers that exist for individuals with BED and in the healthcare and social systems that serve them, as well as in the sociocultural environments EDs occur in (3,6). These barriers include guilt, shame, stigmatization, the "SWAG" misconception that ascribes EDs to "skinny white affluent girls" and leaves millions of EDs undetected, lack of provider training in ED detection and care, stigmatization, discrimination, treatment costs, time and transportation needs, and lack of scalable treatment options (3,6).

At NRFi, we use community-based research-, clinical-, and sociocultural education and outreach initiatives to provide direct support to the millions of under-served individuals who experience EDs and the health and social workers who serve them while also using social media campaigns and public speaking engagements to raise awareness about EDs and their social justice implications and change the environments EDs occur in for a better future for everyone.

References:

- APA. Diagnostic and Statistical Manual of Mental Disorders: Diagnostic and Statistical Manual of Mental Disorders. 5th ed. Arlington, VA: American Psychiatric Association; (2013).
- 2. Bray B. NourishED Research Foundation ("NourishED," "NRFi") Handbook. 2024. September 01:01. NourishED Research Foundation.



- 3. Bray B, Bray C, Bradley R, Zwickey H. Binge Eating Disorder Is a Social Justice Issue: A Cross-Sectional Mixed-Methods Study of Binge Eating Disorder Experts' Opinions. Int J Environ Res Public Health. 2022 May 20;19(10):6243. doi: 10.3390/ijerph19106243. PMID: 35627779; PMCID: PMC9141064.
- 4. Bray B, Bray C, Bradley R, Zwickey H. Mental health aspects of binge eating disorder: A cross-sectional mixed-methods study of binge eating disorder experts' perspectives. Front Psychiatry. 2022 Sep 15;13:953203. doi: 10.3389/fpsyt.2022.953203. PMID: 36186859; PMCID: PMC9520774.
- 5. Bray B, Sadowski A, Bray C, Bradley R, Zwickey H. Clinical aspects of binge eating disorder: A cross-sectional mixed-methods study of binge eating disorder experts' perspectives. Front Psychiatry. 2023 Feb 14;13:1087165. doi: 10.3389/fpsyt.2022.1087165. PMID: 36864846; PMCID: PMC9971930.
- Bray, B., Shallcross, A.J., Wiss, D., Sadowski, A., Bray, K., Bray, C., & Zwickey, H. (Submitted April 2024). Treatment Barriers in Binge Eating Disorder: A Cross-Sectional Mixed-Methods Study of Binge Eating Disorder Experts' Opinions. Frontiers in Psychiatry Psychopathology. Impact Factor: 5.5



V.Empowering Hope Project: Community-Based Solutions for Mental Health Disparities & Health Inefficacy

1. NourishED Research Foundation Story

See "The NourishED Story" in Section V above.

2. Brief Project Summary

NRFi's Empowering Hope Project aims to serves >3 million under-served individuals with eating disorders (EDs) in the Denver Metro area and globally. We achieve this through the use of community-based research, education, and outreach initiatives that include development, distribution, responsive research, and revision of (i) an inclusive online resource platform for under-served EDs; (ii) accredited healthcare trainings on ethical and responsible ED detection, screening, management, and care; (iii) social media campaigns to change the environments EDs occur in, and (iv) local, national, and global speaking engagements, to raise awareness about EDs and their social justice implications, creating a better future for everyone.

3. Project Funding Requests

NRFi is seeking \$900,000 to secure three years of program/project support (\$300,000 per year) for the Empowering Hope Project.

4. Shared Global Impact

The Empowering Hope Project aims to (i) increase equity in mental health and substance misuse outcomes and (ii) improve mental health, including reducing harm to self and others.



5. Brief Need Statement

The Empowering Hope project addresses the high prevalence and lack of support options for under-served eating disorders (EDs) and their social justice roots, particularly in marginalized communities in Denver and globally. We will provide up to 3 million Denver residents with access to free ED resources and will provide free trainings to health care and social workers in Denver food banks and community health centers. We will use social media campaigns and public speaking engagements to raise awareness about under-served EDs and their social justice implications to change the environments these issues occur in.

6. The Problem

See "Under-Served Eating Disorders and Their Social Justice Underpinnings" (Section VI above).

7. Project Overview

The NourishED Research Foundation (NRFi) aims to serve under-served individuals with eating disorders (EDs), including binge eating and binge eating disorder (BED), as well as the community healthcare and social workers who serve them and the friends, family, and community members who care for them and often fail to see the full picture of their experiences. We do this using a four-pronged approach. (1) We develop, test, distribute, and improve affordable and accessible eating disorder resources to individuals and families who are directly impacted by EDs, including BE and BED. (2) We develop, test, distribute, and improve free ED trainings to healthcare providers, social workers, and other social systems in the Denver



Metro area and globally to support and improve ED detection, screening, diagnosis, management, and care. (3) We use social media campaigns and public speaking engagements to raise awareness about EDs and their social justice implications to serve and improve the environments EDs occur in. (4) We use research related to aims 1-3 to gain a better understanding of underserved eating disorders, the individuals who experience them, the systems and who serve them and environments they engage in, the needs they identify and the resources they find helpful. Through these initiatives, we aim to create a better future for EDs, for everyone.

A. Aim 1: Direct Support for Individuals with Under-Served Eating Disorders

The NRFi ED Platform is a comprehensive resource platform designed to support under-served individuals with EDs who are not served by standard of care interventions, often due to lack of health care access or avoidance of stigmatization in health care systems (Bray et al., 2022, 2024). The platform includes an empirically based (e-)textbook, (e-)workbook, companion video modules, and additional online resources. Together, the platform aims to provide practical tools and strategies to help under-served and marginalized individuals with EDs understand and manage their ED behaviors in the context of the environmental factors they may be experiencing.

The platform is designed to be used in a variety of different ways: (i) a standalone intervention for those who lack access to other resources, (ii) as a tool providers can integrate into their clinical practice, and/or (iii) a complement to other clinical approaches.

The platform resources are informed by the most up-to-date research on EDs in under-served populations and are developed with contributions from experts in the field, including Colorado locals Brenna Bray, PhD; CO LMFT Angela Nauss who specializes in trauma and ED care in Denver, Ellie Ashton, MS/PhD Candidate who also specializes in trauma and ED Care in CO, and Amy Thurston, MPH, RDN, whose registered dietetic and nutrition experience centers in food banks and public systems.

The platform resources incorporate evidence-based practices and community-based approaches and address relevant issues that are overlooked in other standard of care interventions, including invalidating environments, systemic oppression and marginalization, under-resourced and marginalized communities, economic precarity, food insecurity, and nutrition scarcity – and the impact these factors have on the stress system, eating behaviors, physical and mental health quality and efficacy, and ED psychopathology in turn (e.g., Bray et al., 2022, 2024).

NRFi aims to distribute 3 million free access codes of the minimum viable product (e-textbook, e-workbook, and online resources) to 127 food Pantries, 15 community health centers, 18 weight loss clinics, and 4 eating disorder centers in the Denver Metro area, enabling a direct impact of up to 3 million individuals in the Denver metro area alone, particularly those from marginalized and under-resourced communities who often suffer in silence. These resources will also be made available for pay (low-cost) on the NRFi website, with proceeds used to support NRFi.

A conservative success rate of just 10% can ensure a direct positive impact in the lives 300,000 individuals in the Denver metro area alone.



B. Aim 2: Research on Under-Served Eating Disorders

NRFi will invite users to opt-in (or decline) to participate in research that will help us (i) better understand the lived experiences and treatment needs of under-served individuals with EDs; (ii) improve subsequent editions of these resources to better meet user needs; and (iii) increase awareness of the lived experiences of these individuals in research, healthcare, and sociocultural settings (through dissemination of research findings in publications, research and healthcare conferences, social media campaigns, and public speaking engagements; see Bray et al., 2024, "NRFi Handbook").

C. Aim 3: Accredited Healthcare Training and Support

NRFi will develop and deliver accredited training courses on ED detection and care to health and social service workers in the Denver Metro area. The courses will address (i) ED detection, screening, diagnosis, management, care, and scalable treatment options and (ii) the social justice, equity, diversity, inclusion, stigmatization(de-), access, marginalization, and (in)validation (JEDI-SAM-IV) factors that impact EDs and a variety of other physical, mental, emotional, and community health issues. These trainings will be made available for-purchase on the NRFi Website and through third-party vendors (e.g., Coursera and accrediting agencies) to help support NRFi but they will be offered to CO providers free through the Caring for Denver grant. Free course offerings in Denver will target food banks, CHCs, low-cost WLCs, EDCs, and emergency shelters in the Denver Metro area to support the community health and service workers who serve these individuals.



D. Aim 4: Campaigns to Improve the Environments Eating Disorders and Their Social Justice Roots Occur In

Lastly, NRFi will develop, implement, and manage community-centered social media campaigns and public speaking engagements that aim to raise awareness about EDs and their social justice implications to improve the environments EDs occur in. Our social media campaigns currently reach >30,000 unique individuals with >5,000 new users and >500 user-engagements per post on a budget of <\$200 total. This grant will be used to tailor our social media campaigns and speaking engagements to a variety of individuals in the Denver community to who express engagement with eating, weight, mental health, and social justice issues, impacting the environment EDs occur in directly (through direct education and outreach) and indirectly (by educating other community leaders), thus improving EDs and social justice environments for Denver, for everyone.

E. References:

- 1. Bray B. NourishED Research Foundation ("NourishED," "NRFi") Handbook. 2024. September 01:01. NourishED Research Foundation.
- Bray B, Bray C, Bradley R, Zwickey H. Binge Eating Disorder Is a Social Justice Issue: A Cross-Sectional Mixed-Methods Study of Binge Eating Disorder Experts' Opinions. Int J Environ Res Public Health. 2022 May 20;19(10):6243. doi: 10.3390/ijerph19106243. PMID: 35627779; PMCID: PMC9141064.



- 3. Bray B, Bray C, Bradley R, Zwickey H. Mental health aspects of binge eating disorder: A cross-sectional mixed-methods study of binge eating disorder experts' perspectives. Front Psychiatry. 2022 Sep 15;13:953203. doi: 10.3389/fpsyt.2022.953203. PMID: 36186859; PMCID: PMC9520774.
- Bray B, Sadowski A, Bray C, Bradley R, Zwickey H. Clinical aspects of binge eating disorder: A cross-sectional mixed-methods study of binge eating disorder experts' perspectives. Front Psychiatry. 2023 Feb 14;13:1087165. doi: 10.3389/fpsyt.2022.1087165. PMID: 36864846; PMCID: PMC9971930.
- Bray, B., Shallcross, A.J., Wiss, D., Sadowski, A., Bray, K., Bray, C., & Zwickey, H. (Submitted April 2024). Treatment Barriers in Binge Eating Disorder: A Cross-Sectional Mixed-Methods Study of Binge Eating Disorder Experts' Opinions. Frontiers in Psychiatry Psychopathology. Impact Factor: 5.5

8. Intended Changes

NRFi's Empowering Hope Project aims to improve mental health outcomes for the estimated 3 million individuals in the Denver metro area with under-served eating disorders (EDs). We also aim to provide greater access to effective interventions and support for these individuals and the millions of others globally who navigate their lives without ED support.

This project will also improve awareness, understanding, and attitudes about EDs among healthcare, social work, and social media communities. The

increased compassion and understanding of their lived experiences and hardships can help everyone involved.

This project will support the development of an ED platform (textbook, e-textbook, workbook-, e-workbook, and online companion resources) and 3 million free access codes will be distributed to 127 food banks, 15 community health centers (CHCs), 18 weight loss clinics (WLCs), and 4 eating disorder centers (EDCs) in the Denver Metro area. This will provide free access to ED support for everyone, regardless of health insurance, transportation, financial or food security, cognitive capabilities, or healthcare experiences and attitudes. If even 10% of these access codes are used, we can directly impact the lives of 300,000 under-served individuals in the Denver Metro area alone.

The ED platform resources are based on Dr. Bray's cutting-edge research, paired with experienced clinical approaches to provide pragmatic solutions for real life situations that EDs often occur in (e.g., economic precarity, food insecurity, nutrition scarcity). We will invite users to opt-in to participate in research that will help us (i) better understand the lived experiences and treatment needs of under-served populations who experience EDs; (ii) improve subsequent editions of these resources to better meet user needs; increase awareness of the lived experiences of these individuals in research, healthcare, and sociocultural settings (see "NRFi Handbook"). We will also develop accredited trainings that address a variety of under-recognized issues in ED care (misconceptions about who can have an eating disorder, under-screening and diagnosis, lack of clinical training) as well as a variety of barriers that often impede clinical care (e.g., healthcare avoidance due to healthcare stigmatization, discrimination, and



inequity as well as treatment costs, time, travel commitments, and scalable treatment options). These trainings will be offered free to Denver foodbanks, emergency shelters, CMCs, WLCs, and EDCs to support detection, management, and care of underserved individuals with BE and BED in these locations and the community members who serve them. Lastly, our social media campaigns currently reach >30,000 individuals on a budget of <\$200. We will use this grant to bolster our social media campaigns and target the Denver Metro area and communities to impact the environment that BED and BE occur in, creating a better future for everyone.

References:

1. Bray B. NourishED Research Foundation ("NourishED," "NRFi") Handbook. 2024. September 01:01. NourishED Research Foundation.

9. Measuring Progress: Outcome Assessment Measures

To evaluate our program's progress and impact, we will assess use and user experience outcomes related to the three primary activities of this project, as described below.

i. NRFi's ED Resources Platform Progress Assessment & Outcomes

The impact and progress of this aim will be assessed by the number of resource platform users and their reported user experiences and mental health outcomes.

ii. NRFi's Accredited ED Healthcare Training Resources – Progress Assessment & Outcomes

The impact and progress of this aim will be assessed by the number of healthcare providers trained and their knowledge retention.

iii. NRFi's Education & Outreach Progress Assessment & Outcomes

The impact and progress of this aim will be assessed by the number of individuals reached and who respond to social media campaigning and public speaking engagements.

iv. NRFi Research

The impact and progress of this aim will be assessed by the number of research publications and conference presentations that NRFi produces and participates in annually and in three years.

10. Timeline and Milestone

A. Year 1

- i. Q1: Launch awareness campaigns and begin training sessions for healthcare providers.
- **ii.** Q2: Develop and distribute the binge eating workbook and video modules.
- **iii.** Q3: Begin data collection for research studies on binge eating interventions and peer-led support.
- iv. Q4: Analyze initial data and adjust programs as needed.

B. Year 2

- i. Q1-Q4: Continue training sessions, awareness campaigns, and data collection.
- ii. Q2: Publish preliminary research findings and present at conferences.
- iii. Q3: Expand peer-led support groups and virtual interventions.

C. Year 3:

- i. Q1-Q4: Continue all activities and finalize data collection.
- **ii.** Q2: Publish final research findings and develop recommendations for future programs.
- iii. Q3: Evaluate overall program impact and sustainability.

11. Anticipated Number Served

Projected number of unduplicated Denver residents to be served: up to 3 million. Realistically: 1,500 – 1.5 million. See <u>Appendix I ("NRFi Caring for Denver Target Locations & Impact Projections")</u> for justification of impact projections.

12. Justification for Estimated Number Served

The 3 million estimate is based on the number of food banks, community health centers, weight loss clinics, and eating disorder centers users in the Denver Metro area currently and the known prevalence rates of undiagnosed binge eating disorder among these communities, as reported by Bray et al., 2022 and in the NRFi handbook. This estimate does not include the healthcare and social workers impacted by our accredited training initiative. Our social media campaigns have reached >30,000 unique users on a budget of <\$200 total in just



3 months, demonstrating feasibility. See <u>Appendix I ("NRFi Caring for Denver Target Locations & Impact Projections")</u> for justification of impact projections.

13. Population Served

Our proposal will serve individuals with binge eating disorder in Denver, particularly those from marginalized and under-resourced communities. Our organization reflects the culture of the community we serve through our diverse Advisory Board and staff, who bring a range of perspectives and experiences. We ensure our services are relevant to the community's needs by prioritizing patient narratives and patient-driven data in our research and outreach efforts. We also engage with community leaders and stakeholders to continuously adapt our programs to better serve the population.

14. Are partnerships needed for the proposed work?

Yes, partnerships with local healthcare providers, community organizations, and peer-led support groups are essential for the success of our proposed work. These partnerships will help us reach a broader audience, provide comprehensive support, and ensure the sustainability of our programs.

15. Potential Challenges

We anticipate potential challenges in reaching and engaging marginalized populations who may be hesitant to seek help due to stigma or lack of awareness. Additionally, securing sustained funding and resources to support our programs may be challenging. We will address these challenges by building strong community partnerships, leveraging diverse funding streams, and continuously evaluating and adapting our strategies.



16. Additional Resources on the Empowering Hope Project & NourishED.

There are a few resources that can be helpful in gaining a quick understanding of Nourished. Here are a few:

- **A.** NourishED Flyer (see <u>Appendix G</u>).
- **B.** Basic Info on NourishED & Under-Served Eating Disorders (See section IV, "NourishED At a Glace").
- C. NRFi Founder Dr. Brenna Bray (PhD)'s 2022 publication "Binge Eating Disorder is a Social Justice Issue" (Bray et al) highlights the

social justice issues that underpin many eating disorders (https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9141064/).

- **D.** Warning: this is heady. You may want to read just the abstract, headers/sub-headers, and a few quotes (in italics) about themes that interest you).
- Example of a social media campaign (available on YouTube: https://youtube.com/shorts/p9MAtdtIEKQ?si=aT9nfTyyx4I_UuS
 Z)
- **F.** NRFi social media account links (Facebook, Instagram, LinkedIn, Twitter, YouTube): https://linktr.ee/nourishedrfi.
- G. NRFi Newsletter Subscription: https://gem.godaddy.com/signups/fccb64f617a24436b949300315b2 619c/join
- H. Want more? Drop us a line; we're here to serve!nourished@nourishedrfi.org.

17. What else would you like us to know that was not addressed in the other questions?

At NRFi, we are committed to creating a more inclusive and supportive environment for individuals with eating disorders. Our community-centered approach and dedication to addressing the root causes of eating disorders make us the ideal organization to lead this important work. We are grateful for the opportunity to partner with Caring for Denver to make a meaningful impact in our community.



VI. NRFi Fundraising Priorities (\$500K - \$1.4 million per year)

Currently all NRFi research team members (and all NRFi members in general) volunteer their time and efforts to NRFi without compensation. NRFi is seeking to raise a total of \$500,000 - \$1.5 million per year (on average) for a total of \$1.5 - \$4.4 million raised to support our first three years of impact, development, growth, and success, as shown in **Table 1** on page 43 below (Section IX.5) and described further in sections IX.1–4 below.

1. Research Support (\$445,000 per year; \$1,255,346 for three years)

NRFi is actively seeking funding support for research operation and dissemination. This small-scale//initial seed funding will be used to support the following operations:

A. Research Staff (\$234,600 per year; \$703,800 for 3 years)

NRFi would like to raise between \$170-\$300,000 to provided up to three years of protected funding for Dr. Bray (\$125,000 per year + \$25,000 in fringe benefits; \$150,000 total; \$450,000 for three years) and up to two dedicated research assistants (\$60,000 per year + \$12,500 in fringe benefits per year) and research interns (\$10,000 per contract + \$2,100 in fringe benefits per year) who can provide dedicated time to supporting NRFi research implementation processes and needs.

B. Grant Proposal Development and Submission (\$145,000 per year; \$360,000 for three years)



NRFi would like to raise \$150,000 to provide up to one year of protected funding for up to three dedicated grant specialists who can assist in development and submission of NRFi's grant proposal plans (including R15, R03, and R25 proposals to the National Institute of Mental Health (NIMH), National Centers for Complementary and Integrative Health (NCCIH), and National Institute on Minority Health and Health Disparities (NIMHD); see Section VIII.2 of the NRFi Handbook for additional details).

C. Publication Fees (\$30,000 per year; \$90,000 for three years)

NRFi currently has four manuscripts either ready for submission or accepted for publication, with one more planned for submission in Nov 2024. Publication fees in high-impact, peer-reviewed, PubMed-indexed, open-access journals typically range from \$3,000 to \$5,000 per manuscript. Therefore, we are seeking to raise \$20,000 to support our immediate publication fee needs. We are requesting \$30,000 per year total to support publication fees (the immediate need for \$20,000 will be included in this \$30,000 annual request).

i. Publication Fees

Publication fees are expensive and for someone who does not work in academia, these fees can be shocking. Here are what these fees cover and why they cannot be sacrificed.

a. High-Impact Journals

At NRFi, we prioritize publishing our research in high-impact, peer-reviewed, open-access, PubMed-indexed scientific



journals. High-impact journals ensure that our research findings reach the maximum number of people, both clinically and academically, thus having the highest possible impact.

b. Rigorous Peer-Review

High-impact journals have rigorous peer-review processes, where two to three scientific field experts review each manuscript, suggest revisions, and contribute to the publication decision. This ensures high scientific rigor.

c. Open-Access Journals

We prioritize publication in open-access journals to ensure that our research findings are accessible to anyone, free of charge. This aligns with our mission of promoting justice, equity, diversity, inclusion, access, and validation.

d. PubMed Indexing

Journals that index their articles in PubMed typically have higher publication fees. We accept these additional fees to ensure our research findings are accessible to the greatest audience.

D. Indirect Fees (\$32,000 per year; \$96,000 for three years)

NRFi currently maintains a formal affiliation with the National University of Natural Medicine's Helfgott Research Institute. This affiliation and partnership provides NRFi staff members with the ability to access and uses Helfgott's research resources, including their subscription to CITI Program



Trainings for Responsible Research Ethics Compliance Trainings, PubMed, Institutional Review Board (IRB), Research Electronic Database Capture System (REDCap, used for secure research survey administration, data collection, storage, and analysis with end-to-end encryption, Dedoose software for qualitative and meta-analyses. NRFi would like to raise a total of \$15,000 USD to compensate NUNM/Helfgott for use of these services. Standard indirect fees associated with these services can range from \$30-50k.

2. Administrative Support (\$197,000 per year; \$591,000 for 3 years)

NRFi is actively seeking funding support for strategic business development and administrations. This small-scale//initial seed funding will be used to support the following operations:

A. Administrative Staff (\$150,000 per year; \$435,000 for three years)

NRFi would like to raise \$150,000 per year (\$435,000 for three years) to provide up to three years of protected funding for an executive administration position and up to two additional support staff or contracts (\$120,000 per year for base salary + \$25,000 in fringe benefits per year).

B. Administrative and Business Resources (\$20,000 per year; \$60,000 for three years)

Costs for IRS filing, and compliance have currently been covered out-of-pocket by NRFi Founder, Director, and CEO (along with all costs associated with NRFi operations, including marketing, promoting, education and outreach, and research). NRFi would like to raise \$20,000 USD that can



support business administration tools, IRS filing fees and support, fees for any needed legal counsel, and business insurance fees.

C. Indirect Fees for Fiscal Sponsorship (\$32,000 per year; \$96,000 for three years)

NRFi currently maintains a formal affiliation with the National University of Natural Medicine's Helfgott Research Institute, as described in sections XIII and XV.1.D above. Additionally, NRFi has an executed fiscal sponsorship agreement with NUNM's Helfgott Research Institute in which Helfgott has agreed to serve as a fiscal sponsor to NRFi. The indirect fees associated with this provision are typically 37% of grant funding; however, many grants (such as Caring for Denver) only allow up to 15% indirect fees to be covered by grant funding. Thus, NRFi is seeking to raise reserve funds to cover gaps in indirect fees for fiscal sponsorship and other fiscal support provided by Helfgott to NUNM.

3. Fundraising Support (\$171,500 per year; \$514,500 for 3 years)

NRFi is actively seeking funding support for strategic planning, development, implementation, and maintenance of fundraising campaigns and private donor relations. This small-scale//initial seed funding will be used to support the following operations:

A. Fundraising Staff (\$150,000 per year; \$435,000 for three years)

NRFi would like to raise \$150,000 per year (\$435,000 for three years) to provide up to three years of protected funding for an executive Director of Fundraising and Donor Relations position and up to two additional support



staff or contracts (\$120,000 per year for base salaries total + \$25,000 in fringe benefits per year total). This role (or roles) will support strategic planning, development, implementation, and maintenance of NRFi fundraising campaigns and major donor relationships.

B. Fundraising Gala (\$20,000 per year; \$60,000 for three years)

NRFi would like to host an annual fundraising event in Denver, CO to establish and maintain private donor relationships that can contribute to core NRFi support. The event will include (i) music provided by local singer/songwriters Rob Drabkin and The Lumineers, (ii) an educational presentation by Dr. Brenna Bray on binge eating prevalence rates and NRFi's mission, motto, aims, and (iii) success initiatives, and a discussion held by professional photographer and athlete Cory Richards (Vice President of the Board of Directors at NourishED). The event aims to raise between \$100-500,000 USD for NourishED. To achieve this, we plan to allocate \$20,000 USD to this event, which includes venue rental, catering, entertainment fees, marketing, decorations, staffing, audio-visual equipment, permits and insurance, and miscellaneous fees. Tickets will be sold for between \$500-1,000 USD to between 200 to 500 attendees in order to meet our revenue goals of \$100,000-\$500,000 USD (for net revenue of between \$60,000-\$340,000). See Appendix G for Flyer Content.

C. Fundraising Resources & Reserves (\$6,500 per year; \$19,500 for three years)

NRFi would like to generate up to \$20,000 to provide secure funding for up to three years of access to fundraising tools and reserves, including Canva,



LinkedIn Business Account, and Meta Business Suite (for Facebook and Instagram). Costs are projected to be \$5,000 per year (\$15,000 for three years with an additional \$5,000 projected for reserves).

4. Education & Outreach Support (Yr. 1: \$245,000 - \$425,000; Yr. 2: \$411,000 - \$443,00; Yr. 3: \$236,00 - \$415,000; \$725,00- \$1,262,00 for three years)

NRFi is actively seeking funding support for strategic planning, development, implementation, and maintenance of our education and outreach activities. This small-scale//initial seed funding will be used to support the following operations:

A. Education & Outreach Staff (\$150,000 per year; \$435,000 for three years)

NRFi would like to raise \$150,000 per year (\$435,000 for three years) to provide up to three years of protected funding for an executive Director of Education and Outreach position and up to two additional support staff or contracts (\$120,000 per year for base salaries total + \$25,000 in fringe benefits per year total). This role (or roles) will support strategic planning, development, implementation, and maintenance of NRFi Education & Outreach Activities, including the NRFi Binge Eating Textbook, Workbook, Video Modules and Podcast, Accreditation Courses, Public Speaking events, engagements, and Social Media campaigns as outlined in section IX below (pg. 49).

B. Education & Outreach Activities (\$130,500 - \$270,500 for first year; \$201,500 - \$421,500 for all three years)



NRFi would like to raise between \$130,500 - \$270,500 to support our first year of education and outreach activities and between \$201,500 - \$421,500 total to support all three years of Education & Outreach Activities. Our Education and Outreach Activities are described in Section XI on page 49 below and cost projections are outlined below.

- i. Binge Eating Textbook, Workbook, & Companion Video Modules (\$30,000 per year; \$90,000 for 3 years)
 - **a. Overview:** NRFi is actively seeking funding support for the development, production, and distribution of its Binge Eating Textbook and Workbook. These actives are outlined in section XI.1 on page 49 below.
 - **a. First-Year Cost Projections (\$30,000):** Cost projections are \$30,000 in the first year, with a projection of \$5,000 per activity (e.g., \$5,000 USD for the textbook, \$5,000 for the workbook, \$5,000 for the companion video modules, \$5,000 for an online platform associated with these products, \$5,000 for marketing and sales, and \$5,000 for reserves). These costs include development and authorship, formatting and design support, editorial services, publication fees (e.g., for ISBN purchase, copyright fees, etc.), and production, marketing, distribution, and sales of physical and electronic products. These costs are based on Dr. Bray's experience in planning, developing, authoring, publishing, and distributing and marketing an online medical scribe training platform (ScribeAccelerator), which



included a medical scribe textbook, companion workbook, website, and video training modules.

b. Second- and Third Year Cost Projections (\$30,000 per year): Cost projections remain \$30,000 per year in the second and third year. These costs will focus on three key areas: (i) technology development (e.g., development of an app that can house all resources); (ii) marketing, advertisement, sales, user adoption; and (iii) any overhead research needs.

ii. CME/CEU Trainings for Healthcare Providers (\$135,000 in first, year; \$165,000 for three years)

NRFi is actively seeking funding support for the development, production, and distribution/dissemination of a series of CME/CEU accredited course offerings for healthcare professionals. These will begin with two course offerings that address (i) clinical excellence in eating disorder care and (ii) Justice, Equity, Diversity, Inclusion, Stigmatization, Access, Marginalization, and InValidation (JEDI-SAM-IV//JEDI-VAMOS//JEDI-MOVES). These activities are outlined in section XI.2 below on page 63. Total cost projections are described in section XI.2 below. Total costs for the development, production, accreditation, hosting, and distribution of two courses are projected to cost \$35,000 – \$135,000 in the first year and \$65,000 – \$165,000 for three years. Courses will be sold for \$1,000 per course. The course costs are projected to be absolved in the first 165 course sales.

iii. NRFi Podcast (\$500 per year; \$1,500 for 3 years)



NRFi is developing and producing a podcast, as outlined in <u>section XI.3</u> below (pg. 73). The first season of the podcast will provide a companion resource to the binge eating textbook and workbook. Subsequent seasons will address components of Dr. Bray's publications and serve to make that information translatable to a general audience. This small-scale//initial seed funding will be used to support the following operations. Costs are projected to be low (\$1,000 per year; \$3,000 for three years to cover podcast services and basic marketing and advertising fees).

iv. Conference Presentations to Educate Healthcare Providers (\$20,000 - \$60,000 for one year; \$60,000 - \$180,000 for 3 years)

Dr. Bray is a renowned international researcher and speaker. She will present at healthcare conferences locally and globally and mentor up to five research assistants in preparing and submitting research abstracts and presenting research and local, national, and international conferences, as described in section XI.5 on pg. 96 below. These activities will have high impact on education and outreach initiatives for NRFi and NRFi's mission, motto, and aims. Costs associated with these activities are also described in section XI.5 on pg. 96 below and are projected to range from \$20,000 - \$60,000 for one year; \$60,000 - \$180,000 for three years.

v. Public Speaking Engagements (\$15,000 annually; \$45,000 for three years)



Dr. Bray is a world-renowned researcher and public speaker. She will engage in a variety public speaking events locally, nationally, and internationally to raise awareness of NRFi. She will also provide mentorship to up to five NRFi staff members to support local community-based speaking engagements initiated by NRFi regional leaders. Costs associated with these engagements are projected to be \$15,000 per year and \$45,000 for three years. These costs will cover up to 5 speaking engagements per year, including fees associated with space rental, light refreshments, travel, lodging, and associated insurance, and a small budget reserve).



5. Line-Item Budget for First Three Fiscal Years (April 2024-2027)

Division	1st Yr. Total	1st Yr. C4D	2nd Yr. Total	2nd Yr. C4D	3rd Yr. Total	3rd Yr. C4D	3-Yr. Total	3-Yr C4D
NRFi Total (without Indirect Fees)	\$1,170,203	\$ 818,043	\$1,171,203	\$ 895,708	\$1,088,705	\$ 813,210	\$3,430,110	\$2,526,960
NRFi Total	\$1,391,826	\$ 413,428	\$1,544,343	\$ 502,592	\$1,403,730	\$ 492,592	\$4,339,899	\$1,408,611
Research (Minus indirect fees)	\$ 410,615	\$ 410,615	\$ 562,131	\$ 410,616	\$ 462,881	\$ 338,118	\$1,435,627	\$1,159,348
Research Staff	\$ 235,619	\$ 235,619	\$ 235,619	\$ 235,619	\$ 235,619	\$ 235,619	\$ 706,856	\$ 706,856
Dr. Bray salary (Lead Investigator, Director)	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 375,000	\$ 375,000
Dr. Bray fringe benefits	\$ 26,038	\$ 26,038	\$ 26,038	\$ 26,038	\$ 26,038	\$ 26,038	\$ 78,113	\$ 78,113
Research Investigator Salaries	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 180,000	\$ 180,000
Research Investigator Fringe Benefits	\$ 12,498	\$ 12,498	\$ 12,498	\$ 12,498	\$ 12,498	\$ 12,498	\$ 37,494	\$ 37,494
Research Intern Contracts	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 30,000	\$ 30,000
Research Intern Contract Fringe Benefits	\$ 2,083	\$ 2,083	\$ 2,083	\$ 2,083	\$ 2,083	\$ 2,083	\$ 6,249	\$ 6,249
Grant Proposal Development and Submission	\$ 144,996	\$ 144,996	\$ 144,996	\$ 144,996	\$ 72,498	\$ 72,498	\$ 362,490	\$ 362,490
Grant Specialist Salaries	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 60,000	\$ 60,000	\$ 300,000	\$ 300,000
Research Investigator Fringe Benefits	\$ 24,996	\$ 24,996	\$ 24,996	\$ 24,996	\$ 12,498	\$ 12,498	\$ 62,490	\$ 62,490
Publication Fees	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,001	\$ 30,000	\$ 30,001	\$ 90,000	\$ 90,002
NOTE: INDIRECT FEES	ARE WAVED,	UNLESS GRAI	NT FUINDING	IS AWARDED	: WILL BE INC	LUDED IN GR	ANT FUNDING	G)
Indirect Fees	\$ 151,517	\$ -	\$ 151,517	\$ -	\$ 124,765	\$ -	\$ 427,798	\$ -
Federal Grant Research Requests	\$ 562,131	\$ -	\$ 713,648	\$ -	\$ 587,646	\$ -	\$1,863,426	\$ -
Administration (Minus Indirect Fees)	\$ 164,996	\$ 40,000	\$ 164,996	\$ 116,664	\$ 164,996	\$ 116,664	\$ 494,988	\$ 273,328
Administrative Staff Salary + Fringe Benefits	\$ 144,996	\$ 20,000	\$ 144,996	\$ 96,664	\$ 144,996	\$ 96,664	\$ 434,988	\$ 213,328
Administrative Staff Salary	\$ 120,000	\$ 80,000	\$ 120,000	\$ 80,000	\$ 120,000	\$ 80,000	\$ 360,000	\$ 240,000
Administrative Staff Fringe Benefits	\$ 24,996	\$ 16,664	\$ 24,996	\$ 16,664	\$ 24,996	\$ 16,664	\$ 74,988	\$ 49,992

Division	1st Yr. Total	1st Yr. C4D	2nd Yr. Total	2nd Yr. C4D	3rd Yr. Total	3rd Yr. C4D	3-Yr. Total	3-Yr C4D
Administrative and Business Resources	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 60,000	\$ 60,000
NOTE: INDIRECT FEES	ARE WAVED,	UNLESS GRA	NT FUINDING	IS AWARDED	: WILL BE INC	LUDED IN GR	ANT FUNDING	G)
Indirect Fees	\$ 70,107	\$ 6,000	\$ 70,107	\$ 17,500	\$ 65,495	\$ 17,500	\$ 205,709	\$ 40,999
Administration Requests - Including Indirect Fees	\$ 235,103	\$ 46,000	\$ 235,103	\$ 134,164	\$ 230,491	\$ 134,164	\$ 700,697	\$ 314,327
Fundraising	\$ 171,496	\$ 123,164	\$ 171,496	\$ 123,164	\$ 171,496	\$ 123,164	\$ 514,488	\$ 369,492
Fundraising Staff Salary + Fringe Benefits	\$ 144,996	\$ 96,664	\$ 144,996	\$ 96,664	\$ 144,996	\$ 96,664	\$ 434,988	\$ 289,992
Fundraising Staff Salary	\$ 120,000	\$ 80,000	\$ 120,000	\$ 80,000	\$ 120,000	\$ 80,000	\$ 360,000	\$ 240,000
Fundraising Staff Fringe Benefits	\$ 24,996	\$ 16,664	\$ 24,996	\$ 16,664	\$ 24,996	\$ 16,664	\$ 74,988	\$ 49,992
Fundraising Events	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 60,000	\$ 60,000
Fundraising Resources	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 19,500	\$ 19,500
Education & Outreach	\$ 423,096	\$ 244,264	\$ 424,096	\$ 245,264	\$ 414,096	\$ 235,264	\$1,261,288	\$ 724,792
Education & Outreach Staff Salary + Fringe Benefits	\$ 144,996	\$ 96,664	\$ 144,996	\$ 96,664	\$ 144,996	\$ 96,664	\$ 434,988	\$ 289,992
Education & Outreach Staff Salary	\$ 120,000	\$ 80,000	\$ 120,000	\$ 80,000	\$ 120,000	\$ 80,000	\$ 360,000	\$ 240,000
Education & Outreach Staff Fringe Benefits	\$ 24,996	\$ 16,664	\$ 24,996	\$ 16,664	\$ 24,996	\$ 16,664	\$ 74,988	\$ 49,992
Binge Eating Platform (Textbook/e- Textbook, Workbook/e-Workbook, Video Modules, Online Resources & Platform)	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 90,000	\$ 90,000
Year 1: Minimum Viable Product Development (Textbook, e-Textbook, Workbook, e-Workbook, Online Resource Platform) Development, Copyright and Publication Fees, Marketing, Sales, & Distribution Fees	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000



NourishED Research Foundation, Inc. (NRFi)

Division	1st Yr. Total	1st Yr. C4D	2nd Yr. Total	2nd Yr. C4D	3rd Yr. Total	3rd Yr. C4D	3-Yr. Total	3-Yr C4D
Years 2-3: Technology Development & User Adoption	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 60,000
CME/CEU Trainings for Healthcare Providers (\$65,000 – \$165,000)	\$ 112,100	\$ 62,100	\$ 113,100	\$ 63,100	\$ 103,100	\$ 53,100	\$ 328,300	\$ 178,300
Accreditation Fees	\$ 21,600	\$ 21,600	\$ 12,600	\$ 12,600	\$ 12,600	\$ 12,600	\$ 46,800	\$ 46,800
Content Creation (Research, Writing, Peer Review)	\$ 40,000	\$ 30,000	\$ 40,000	\$ 30,000	\$ 40,000	\$ 30,000	\$ 120,000	\$ 90,000
Production Fees (Video Production, Editing, Hosting)	\$ 50,000	\$ 10,000	\$ 50,000	\$ 10,000	\$ 50,000	\$ 10,000	\$ 150,000	\$ 30,000
Platform Fees (Platform Hosting, e.g., Coursera)	\$ 500	\$ 500	\$ 10,500	\$ 10,500	\$ 500	\$ 500	\$ 11,500	\$ 11,500
NRFi Podcast	\$ 61,000	\$ 20,500	\$ 61,000	\$ 20,500	\$ 61,000	\$ 20,500	\$ 183,000	\$ 61,500
Podcasting Resources	\$ 1,000	\$ 500	\$ 1,000	\$ 500	\$ 1,000	\$ 500	\$ 3,000	\$ 1,500
Conference Presentations to Education Healthcare Providers	\$ 60,000	\$ 20,000	\$ 60,000	\$ 20,000	\$ 60,000	\$ 20,000	\$ 180,000	\$ 60,000
Public Speaking Engagements	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 45,000	\$ 45,000

Table 1: Line-Item Budget for First Three Fiscal Years (April 2024-2027). Budget projections (and fundraising priorities) are shown for NourishED Research Foundation's Research, Administrative, Fundraising, and Education & Outreach Teams (shown in blue, orange, green, and purple respectively) for fiscal years 1, 2, and 3, with cumulative 3-year total projections shown in the far-right columns. Columns 2, 4, 6, and 8 show full budget projection needs to support all of NRFi's global operations. Columns 3, 5, 7, and 9 show budget projection needs that can be supported by the Caring for Denver Foundation Community-Centered Solutions grant, as these activities and items will be used to support and serve the Denver Metro Community in alignment with the Caring for Denver Community-Centered Solutions grant funding opportunity.

VII. Fundraising Activities

1. Introduction

NRFi's strategic fundraising campaigns aims to meet our one-, two-, and three-year goals of raising \$500,000 to \$1.4 million per year in our first three years to support our mission, motto, aims, and sustainable growth. The rationale for this annual fundraising and revenue (budgeting) goal is outlined in section IX above.

2. NRFi Goals

At NRFi, we use Dr. Bray's SMART-SETS® goal-setting technique to define fundraising goals that are Specific, Measurable, Attainable, Relevant//Realistic, Time-bound, Strategic, Empirically Informed, Tailored to our resources, and Safe (SMART_SETS®). For example, we aim to increase donor acquisition rate by 100% in our first year and by 15% in our second and third years through robust marketing efforts, such as social media and events.

Please contact our fundraising team to access our specific fundraising goals (SMART-SETS), strategies, and planned activities (nourished@nourishedrfi.org).

3. NRFi Messaging

At NRFi, each employee understands, supports, and stands behind our mission, motto, and aims. We share compelling and authentic narratives that further leverage our impact and convey the urgent need for funding. We highlight the importance of our research in addressing binge eating disorder and improving treatment access. We tailor messages for different platforms (website, social media, presentations).



Please contact our fundraising team to learn more about our fundraising content, narratives, messaging, overall strategies, and planned activities (nourished@nourishedrfi.org).

4. Fundraising Techniques and Platforms

At NRFi, we leverage the following fundraising techniques and platforms. NOTE: This is not an exclusive list. Please contact our fundraising team to access a full and up to date list of our fundraising techniques, platforms, strategies, and planned activities (nourished@nourishedrfi.org).

- i. Social Media Marketing: We find social media campaigning to be a powerful tool to spread awareness about our Mission, Motto, and Aims at Nourished (see section XII.2). We plan to use this for fundraising as well through regular post about our campaigns on LinkedIn, Instagram, and Facebook. We share compelling stories about our research and its impact. We use relevant hashtags, share success stories, and engage with followers.
- ii. GoFundMe Campaigns: We have had great success with a small-scale beta GoFundMe campaign and are currently creating a dedicated GoFundMe page to support NRFi needs (as well as NRFi subpages to support specific NRFi needs). We explain the purpose, impact, and urgency of each need. We plan to share the link(s) across our social media channels and website.
- **iii. Local Presentations and Events:** NRFi Founder and Director Brenna Bray, PhD is a world-renowned scientific research speaker and social

justice advocate, as are several of NRFi's board members. We are currently planning several local, national, international, and virtual presentations at local bookstores, coffee shops, community health centers, weight loss clinics, eating disorder centers, emergency shelters and food pantries, as well as national and international healthcare and research conferences. We are currently forming collaborations with other nonprofits to host joint events and maximize audiences. Currently, we are about to launch a free meditation recording and a fundraising yoga class as a gift to donors. We also offer a variety of binge eating resources on our website.

- **iv. LinkedIn Fundraising:** We leverage LinkedIn's network to connect with potential major donors and corporate partners. We plan to add a custom call-to-action button on our LinkedIn Page directing to the donation page.
- v. Email Campaigns: We plan to send personalized emails to our network, detailing our foundation's work and specific funding needs.
- vi. Partnerships with Local Businesses: We plan to partner with local businesses for sponsored events or matching donation campaigns.
- **vii. Virtual Events:** We plan to organize virtual webinars or workshops related to eating disorders, with a suggested donation for attendance.
- **viii. Press Releases:** We plan to issue press releases to local media to gain coverage for our foundation's work and fundraising efforts.



5. Donation Page

We optimize our existing donation page on the NourishED website. We clearly explain how donations will support our research. We include a compelling call-to-action and a donation button.

6. Leveraging Our Logo and Branding Kit

At NRFi, we ensure consistent branding across all platforms. We use our logo in social media posts, campaign materials, and presentations. We make our brand recognizable and memorable. We plan to leverage this and offer a variety of forpurchase paraphernalia and "shwag" that will be offered in community event raffles and for purchase on our website.

7. Outro

At NRFi, we recognize that the key to successful fundraising is a compelling story that connects with people's emotions and a clear call-to-action. We share our passion for NRFi's mission and connect with potential donors emotionally. We engage our team, leverage their expertise, and adapt our approach as needed. We emphasize the impact of donations and the tangible outcomes they will support. We also practice ethical and responsible marketing, research, education and outreach, and fundraising to be part of the future we want to create.

Please contact our fundraising team to learn more about our specific fundraising strategies, and planned activities (<u>nourished@nourishedrfi.org</u>).

VIII	E
ducation & Outreach Team	
1. Interim Director	
• Alyx Luck Barnett, ND	
2. Health Education & Outreach Team	
• Error! Reference source not found. (Team Lead)	
• <u>Hadley Pearce, MS</u>	
• Ariana Pizadeh, MS	
 Angela Nauss, MS, LMFT 	
• Error! Reference source not found. (As needed)	
• Error! Reference source not found.(As needed)	
• Error! Reference source not found. (As needed)	
3. Education & Outreach Initiatives	
i. See section VII below.	
ii. NRFi Online Course Trainings, Certifications, & A	accreditations
iii. NRFi's Binge Eating Self-Help Workbook	
iv. Training & Certification Courses in Responsible Research	Human Subjects
v. Podcast (NourishED Podcast)	
vi. Publications Team	



IX. Education & Outreach Activities

1. NRFi Binge Eating Platform: Textbook, Workbook, Video Modules, & Online Resources

A. Overview

The NRFi Binge Eating Platform is a comprehensive resource platform designed to support individuals with binge eating (BE) and binge eating disorder (BED) who are not served by standard of care interventions, often due to lack of health care access or avoidance of stigmatization in health care systems. The platform includes an empirically based textbook and etextbook, workbook and e-workbook, companion video modules, and additional online resources. Together, the platform aims to provide practical tools and strategies to help individuals understand and manage their binge eating behaviors in the context of the environmental factors they may be experiencing.

The platform is designed to be used in a variety of different ways: (i) a standalone intervention for those who lack access to other resources, (ii) as a tool that providers can integrate into their clinical practice, and/or (iii) as a complement to other clinical approaches. The platform resources are informed by the most up-to-date research on binge eating disorder in under-served populations and are developed with contributions from experts in the field, including Colorado locals Brenna Bray, PhD; Alyx Luck Barnett, ND; Amy Thurston, MPH, RDN; Angela Nauss, MS, LMFT; and Ellie Ashton, MS. The platform resources incorporates

evidence-based practices and community-based approaches and address relevant issues that are overlooked in other standard of care interventions, including invalidating environments, systemic oppression and marginalization, under-resourced and marginalized communities, economic precarity, food insecurity, and nutrition scarcity – and the impact these factors have on the stress system, eating behaviors, physical and mental health quality and efficacy, and eating disorder psychopathology in turn.

NRFi will distribute 3 million free access codes of the minimum viable product (etextbook, e-workbook, and online resources to 127 food Pantries, 15 community health centers, 18 weight loss clinics, and 4 eating disorder centers in the Denver Metro area with potential to serve up to 3 million Denver Metro residents. Data will be collected and analyzed to provide information on user demographics, use, safety and efficacy, and user feedback. This data will be published and presented locally and nationally/internationally to provide a better understanding of who has binge eating in under-served communities, who engages with a free treatment option for binge eating, how these individuals can best be served, and to update the minimum viable product in response to user feedback to better serve user needs.

B. Key Features

i. Understanding Binge Eating Disorder

- The platform resources provide an overview of BED, including its causes, symptoms, and impact on mental and physical health.
- The resources explore environmental and social factors that contribute to binge eating, including invalidating environments, systemic oppression and marginalization, under-resourced and



marginalized communities, economic precarity, food insecurity, and nutrition scarcity – and the impact these factors have on the stress system, eating behaviors, physical and mental health quality and efficacy, and eating disorder psychopathology in turn.

ii. Research-Informed Approaches for Under-Resourced Communities

- The platform resources incorporate cutting-edge research on environmental factors that have historically been overlooked and are now strongly associated with binge eating disorder, including:
 - **a.** Invalidating environments.
 - **b.** Systemic oppression and marginalization.
 - **c.** Under-resourced environments and communities that often experience a variety of additional factors, including those outlined further below.
 - **d.** Body weight/shape/size stigmatization.
 - e. Trauma, adversity, and PTSD.
 - **f.** Discrimination based on body weight/shape/size, race, ethnicity, or socioeconomic status.
 - **g.** Economic precarity.
 - **h.** Food insecurity.
 - i. Nutritional scarcity.
 - **j.** Predatory food industry practices.



These complex factors are overlooked in current standard of care interventions for binge eating disorder, which may attribute to the low treatment success rates (~33%) of these interventions.

- The platform resources address, inform, and account for these factors and offer workable solutions that can be applied within any environment and framework, including individuals and families who have economic precarity, food insecurity, nutrition scarcity, and government assistance reliance.
- The platform resources incorporates evidence-based practices and community-based approaches and address relevant issues that are overlooked in other standard of care interventions, including invalidating environments, systemic oppression and marginalization, under-resourced and marginalized communities, economic precarity, food insecurity, and nutrition scarcity and the impact these factors have on the stress system, eating behaviors, physical and mental health quality and efficacy, and eating disorder psychopathology in turn.

iii. Expert Author & Editorial Team

- The resources are developed with contributions from experts in the field, including Colorado locals:
 - **a. Brenna Bray, PhD**, an expert in Binge Eating Disorder and their environmental factors and social justice underpinnings.



- **b.** Alyx Luck Barnett, ND, an expert in naturopathic and community-based medicine.
- c. <u>Amy Thurston, MPH, RDN</u>, a registered dietician nutrition and public health advocate who has dietetic experience in food pantries and public-school systems in Colorado.
- **d.** Angela Nauss, MS, LMFT, a licensed marriage and family therapist who specializes in cognitive behavioral therapy (CBT) trauma-informed therapy and eating disorders in the Denver Metro population and surrounding areas.

iv. Self-Assessment Tools

- The platform textbook, workbook, video modules, and online resources include self-assessment questionnaires to help individuals identify the environmental factors that are relevant to them that can contribute to binge eating patterns and psychopathology.
- The resources offer guidance on setting recovery goals that are
 <u>S</u>afe, <u>M</u>easurable, <u>A</u>ttainable, <u>R</u>ealistic, <u>T</u>ime-bound, <u>S</u>pecific,
 <u>E</u>mpirically informed, <u>T</u>ailored, and <u>S</u>calable (SMART-SETS®).
- v. Pragmatic Tools and Coping Strategies to Support Adverse Life Experiences



- The platform resources present a variety of coping strategies to manage difficult life situations and the emotions and behaviors that can often accompany them.
- The resources include tools to support meal planning in underresourced individuals and families, including those reliant upon government assistance.
- The resources emphasize the ability of food, nutrition, and eating behaviors to impact physical and mental health and recognize the ways food, nutrition, and economic insecurity can limit food and nutrition efficacy.
- The resources emphasize the importance of self-compassion, mindfulness, and other empirically supported approaches to the recovery process.
- The resources emphasize the benefit of complementary and integrative interventions in calming the sympathetic nervous system, reducing cortisol levels, and thus enabling opportunities for new interventions to be learned and implemented and new neural connections and pathways to be formed that can support behavior change.

vi. Behavioral Interventions

 The platform resources provide step-by-step instructions for implementing behavioral interventions, such as cognitivebehavioral techniques and stress management practices.



- The resources encourage the development of healthy eating habits and a positive relationship with food.
- The resources provide tools to support meal planning in underresourced individuals and families, including those reliant upon government assistance and recognize the ways these factors can impact food and nutrition self-efficacy.

vii. Community Support

- The platform resources highlight the benefits of peer-led mutual help interventions and groups, such as Overeaters Anonymous, and provide information on how to access these resources as well as worksheets, activities, and tools that can support twelve-step facilitation.
- The resources encourage individuals to seek support from their community and build a network of allies in their recovery journey.

viii. Workbook Exercises

- The companion workbook includes a variety of exercises and activities to reinforce learning and promote self-reflection.
- The workbook offers practical tips for integrating these exercises into daily life.

ix. Companion Video Modules

 The companion video modules provide additional support for those who lack access to formal therapeutic interventions.

x. Resources and References

- The platform provides a variety of additional resources, including books, websites, and support groups, for further support and information.
- References to relevant research and evidence-based practices are also included.

C. Table of Contents

- i. Introduction // Using this Workbook
- ii. NRFi Mission, Motto, & Aims
- iii. What is Binge Eating Disorder?
- iv. Invaliding Environments & Sense of Self
- v. Stress & Trauma in BE & BED
- vi. Genetic & Epigenetic Factors that contribute to BE & BED
- vii. Cognitive Behavioral Therapy: "Gold Standard Intervention"
- viii. Complementary, Integrative, & Alternative Interventions in BED
- ix. Trauma-Informed Therapy in BE & BED
- x. Social Justice, Equity, Diversity, Inclusion, Stigmatization, Access, Marginalization, & InValidation (JEDI-SAM-IV) in BED
- xi. Social Justice, Therapy in BE & BED
- xii. Community-Based, Mutual-Help Support Groups and Interventions: Twelve-Step Groups and Twelve-Step Facilitation

- xiii. "Food Addiction" & Navigating Predatory Food Environments and Practices
- xiv. Body Weight/Shape/Size Stigmatization and Clinical Weight Diagnoses
- xv. Stigmatization & Invalidation
- xvi. Economic Precarity, Food Insecurity, & Nutrition Scarcity (And Their Impact of Health Self-Efficacy)
- xvii. Optimizing Nutrition and Meal Planning for Physical and Mental
 Health In the Environment You're In (Doing What We Can
 When We Can)
- xviii. Movement & Exercise Trauma: "Feeling at Home in the Body"
- **xix.** Free Screening Resources
- xx.Support Resources

D. Distribution and Accessibility

- All resources will be made available in hard/paper and electronic formats to accommodate a variety of user engagement styles and preferences.
- All resources will be made available for purchase (low-cost) through the NourishED website.
- NRFi research will be conducted to test the feasibility, safety, user experience, and efficacy of the workbook in a variety of individuals with binge eating and binge eating disorder in the Denver, CO area. This will



include marginalized and under-resourced individuals (e.g., a representative population). Research participants will receive free access to the workbook and other treatment options used in the study (e.g., community-based, peer-lead, mutual help interventions).

NRFi will distribute 3 million free access codes of the minimum viable product (e-textbook, e-workbook, and online resources to 127 food Pantries, 15 community health centers, and 18 weight loss clinics in the Denver Metro area with potential to serve up to 3 million Denver Metro residents. Data will be collected and analyzed to provide information on user demographics, use, safety and efficacy, and user feedback. This data will he published and presented locally and nationally/internationally to provide a better understanding of who has binge eating in under-served communities, who engages with a free treatment option for binge eating, how these individuals can best be served, and to update the minimum viable product in response to user feedback to better serve user needs.

E. Distribution & Accessibility – Caring for Denver Distribution

- **a. Free Access Code Distribution:** Three million (3 million) free access codes will be distributed to 127 food Pantries, 15 community health centers, 18 weight loss clinics, and 4 eating disorder centers in the Denver Metro area.
- **b. Potential Impact:** Up to 3 million Denver Metro residents can be directly impacted by this initiative.



- **c. Minimum Viable Product Distribution:** Up to 3 million Denver Metro residents will receive free access to the minimum viable product (MVP) representation of the e-resource platform, which will include access to the e-textbook, e-workbook, and online resource center with an invitation to participate in research, as described below.
- **d. Optional Research Participation:** Each free minimum viable product access code will include an option for users to participate in a research study that collects two categories of information:
 - Patient Demographics: Patients will be asked to provide information on their race, ethnicity, sex/gender identity, socioeconomic status, weight, physical and mental health status, and eating behaviors. This data can help us better understand (i) who has binge eating and binge eating disorder, (ii) who chooses to use treatment resources when they are made accessible, (iii) who these resources work well for (and why), and (iv) who these resources do not work well for (and why).
 - Use Data: Information on e-platform use (e.g., time spent logged in and engaging with the different resources) will be collected, monitored, and assessed to gauge feasibility and use (e.g., "proof of concept").
 - Safety and Binge Eating Pathology Monitoring:

 Participants will be asked to participate in routine online screenings for adverse events and serious adverse events as

well as weight, BMI, and binge eating psychopathology and behaviors.

- **User Feedback:** User feedback will be collected analyzed reflexively for themes that can be used to improve subsequent editions of the platform.
- e. Overall Impact: In addition to directly serving up to 3 million Denver Metro residents, the research collected from target locations will be analyzed, published, and presented locally and nationally to help provide a better understanding of who experiences binge eating disorder among under-served populations.

F. Free MVP Distributions – Target Locations & Impact Projections

Distribution locations and potential impact projections are made as outlined below and described further in Appendix

i. Food Pantries

- **a. 127 Food Pantries:** 300,000 free access codes for e-platform resources.
- b. Population Impact: 300,000 Denver Metro residents
 - o **Denver Metro population:** ~715,522 to 2.96 million.
 - O Projected Denver Metro food pantry users: 102,000-423,000.
 - Potential Denver Metro food pantry users with eating disorders: 51,000-212,000.



ii. Community Health Centers (CHCs)

- **a. 15 Community Health Centers (CHCs):** 1.8 million free access codes provided.
- b. Population Impact: 1.8 million Denver Metro residents
 - o **Projected CHC Users:** 1.875 million.
 - Projected CHC users with eating disorders: 93,750-581,250.

iii. Low-Cost Weight Loss Clinics

- **a. 18 Clinics:** 1 million free access codes distributed.
- b. Population Impact: 1 million Denver Metro residents
 - Projected Denver Metro residents with overweight or obesity: 503,200 – 1,065,600.
 - Projected individuals with overweight or obesity and eating disorders: 403,000–852,480.
 - Projected individuals with overweight or obesity, eating disorders, and low socioeconomic status: 89,347–89,352.
 - Denver Metro residents using GLP-1 drugs:
 ~12.5% of Denver Metro population.
 - Projected Denver Metro Off-label GLP-1 Drug Use for weight loss: 40%.



Projected Denver Metro Off-Label GLP-1 drug use
 with comorbid binge eating: 10,723–118,400.

iv. Eating Disorder Centers

- a. 4 Clinics: 1 million free access codes distributed.
- b. Population Impact: 300,000 Denver Metro residents
 - Projected Denver Metro residents with an eating disorder: 56,862 to 356,936.
 - Projected Denver Metro Residents with an eating disorder who lack access to healthcare: 48,333– 303,396.



1. NourishED CME/CEU Training Courses for Healthcare Providers

A. Overview

NourishED plans to prepare a variety of CME/CEU accredited course offerings for healthcare professionals. Our first two course offering will address (i) clinical excellence in eating disorder care and (ii) Justice, Equity, Diversity, Inclusion, Stigmatization, Access, Marginalization, and InValidation (JEDI-SAM-IV//JEDI-VAMOS//JEDI-MOVES). These courses will be made available for-purchase on the NourishED Website as well as through third-party vendors (e.g., Coursera and accrediting agencies). They can also be purchased together in a "Comprehensive Care for Eating Disorders: Integrating Clinical Excellence and Social Justice" package.

B. Course Description

This CME/CEU training course is designed to equip healthcare providers with the knowledge and skills necessary to effectively identify, assess, and manage eating disorders, while also addressing the critical issues of justice, equity, diversity, inclusion, and validation. The course is divided into two main modules:

C. Course/Module 1: Clinical Excellence in Eating Disorder Care (Topics)

i. Prevalence and Demographic Representation

• Understanding the prevalence of eating disorders across different populations.

• Recognizing the demographic factors that influence the development and presentation of eating disorders.

ii. Detection and Screening

- Identifying early signs and symptoms of eating disorders.
- Utilizing evidence-based screening tools and techniques.

iii. Assessment and Evaluation

- Conducting comprehensive assessments to determine the severity and impact of eating disorders.
- Evaluating co-occurring mental health conditions and medical complications.

iv. Diagnosis and Referrals

- Applying diagnostic criteria for eating disorders.
- Making appropriate referrals to specialized care and support services.

v. Management and Care

- Developing individualized treatment plans that address the unique needs of each patient.
- Implementing evidence-based interventions and therapies.

vi. Importance of Bedside Demeanor

• Building rapport and trust with patients through compassionate and empathetic communication.

- Creating a supportive and non-judgmental environment for patients.
- D. Course/Module 2: Justice, Equity, Diversity, Inclusion, and Stigmatization, Access, Marginalization, and Invalidation (JEDI-SAM-IV) Topics Covered

i. Justice and Equity in Healthcare

- Understanding the systemic barriers that contribute to disparities in eating disorder care and healthcare at large.
- Promoting equitable access to treatment and resources for all individuals.

ii. Diversity and Inclusion

- Recognizing the diverse cultural, social, and economic backgrounds of patients.
- Implementing culturally responsive care practices.

iii. Stigmatization (De-)

- Addressing and reducing stigmatization and healthcare inequity related to body weight/shape/size, eating disorders, and mental and physical health diagnoses at large.
- Identifies the ways in which healthcare provider stigmatization –
 especially related to body weight/shape/size and eating disorders –
 contributes to patient harm and healthcare avoidance (further
 resulting in low detection).

 Promoting positive attitudes and beliefs about mental health and recovery.

iv. Access and Marginalization (De-)

- Identifying and addressing barriers to accessing care for marginalized populations.
- Advocating for policies and practices that promote inclusivity and accessibility.
- Providing healthcare providers with free and low-cost treatment alternatives and resources they can offer under-resourced patients.

v. Liberation and Validation

- Empowering patients to take an active role in their recovery journey.
- Validating patients' experiences and perspectives to foster a sense of agency and self-efficacy.

E. Course Format

i. Lectures and Presentations

• Delivered by experts in the field, covering key concepts and best practices.

ii. Interactive Workshops

 Hands-on activities and case studies to apply learning in real-world scenarios.



iii. Panel Discussions

• Featuring diverse voices and perspectives from patients, providers, and advocates.

iv. Q&A Sessions

 Opportunities for participants to ask questions and engage in discussions with instructors.

F. Accreditation

This course is accredited for Continuing Medical Education (CME) and Continuing Education Units (CEU) for healthcare providers. Participants will receive certification upon completion of the course. The following organizations will be considered and pursued for accreditation:

i. Accreditation Council for Continuing Medical Education (ACCME)

- **a.** Description: ACCME accredits organizations that offer CME primarily to national or international learners
- **b.** Initial accreditation fees: \$10,600.
- **c.** Annual accreditation fees: \$6,500.
- **d.** Three-year accreditation costs: \$23,600.
- e. Website: https://accme.org/wp-content/uploads/2024/06/110_20231218_accreditation_fees.pdf)

ii. International Accreditors for Continuing Education and Training (IACET).

a. Description: IACET provides accreditation for continuing education and training programs across various disciplines

NourishED Research Foundation, Inc. (NRFi)

b. Initial accreditation fees: \$4,290.

c. Annual accreditation fees: \$1,095.

d. Three-year accreditation costs: \$6,480.

e. Website: https://iacet.org/.

iii. American Nurses Credentialing Center (ANCC):

- **a.** Description: ANCC accredits organizations that offer continuing education for nurses.
- **b.** Initial accreditation fees: \$4,650.
- **c.** Annual accreditation fees: \$3,000.
- **d.** Three-year accreditation costs: \$10,650.
- **e.** Website: https://www.nursingworld.org/organizational-programs/accreditation/ncpd/accreditation-fees/.

iv. The Joint Commission (TJC)

- **a.** Description: TJC offers accreditation for continuing education across multiple healthcare professions
- **b.** Initial accreditation fees: \$1,990.
- **c.** Annual accreditation fees: \$1,990.
- **d.** Three-year accreditation costs: \$5,970.
- e. Website:

https://www.jointcommission.org/resources/continuing-education-credit-information/.

G. Cost Considerations

- i. Accreditation Fees
 - a. TOTAL ACCREDITATION COSTS: \$46,700 for 3 yrs.
 - Initial accreditation fees: \$21,530.
 - Annual accreditation fees: \$12,585.
 - Three-year accreditation costs: \$46,700.
- i. Development Costs: \$40,500 \$90,500 in yrs. 1 and 3; \$50,500 100,500 in yr. 2; \$131,500 \$281,500 for three years)
 - a. Content Creation (\$30-40,000 per year; \$90,000 12,000 for three years): This includes research, writing, and peer review.
 Costs can range from \$5,000 to \$20,000 per course.
 - **b. Production Fees (\$10,000 \$50,000 per year; \$30,000 \$150,000 for 3 years):** Video production, editing, and hosting can cost between \$10,000 \$50,000 depending on the quality and length of the content.
 - c. Platform Fees (\$500 in first and third years; \$10,500 in second year; \$11,500 for three years): Hosting a course or courses on platforms like Coursera involves several additional cost considerations, which vary depending on the type of course(s) offered and the type of pricing model selected. The basic pricing structures are outlined below. We will test pilot our first two course and offer them as two or more individual courses



AND as a specialization // professional certificate (when used together). We will opt to pursue the Coursera Plus Subscription that allows access to multiple courses. We anticipate this approach to cost \$399 per year (through the Coursera Plus Subscription). In the second and third years, we will aim to produce a full degree. Costs for this begin at \$9,000. Thus, we aim to raise \$500 to support Coursera fees in the first year, \$10,500 in the second year, and \$500 in the third year for a total of \$11,500 to support needs for all three years).

- **Individual Courses**: These typically range from \$30 to \$100.
- Specializations and Professional Certificates: These are subscription-based, starting at around \$39.99 per month.
- Coursera Plus Subscription: This allows access to multiple courses and costs \$399 per year.
- **Full Degrees**: These can be quite expensive, starting at around \$9,000.
- Coursera also offers free courses, but if you want to provide certificates or access to graded assignments, there will be associated costs.
- Would you like more detailed information on any specific type of course or pricing model?



ii. Total Estimated Costs: \$62,100 - \$112,100 in year 1; \$63,100 - \$113,100 in yr. 2; \$53,100 - 103,100 in yr. 3; \$178,300 - \$328,300 for 3 yrs.)

We project costs for the initial two courses to range from \$53,100 - \$113,100 per year, depending on which year and which pricing bracket is pursued, for a total cost estimate of \$178,300 - \$328,300 for three years.

H. Pricing for Courses: \$1,000 per course.

The pricing for CME/CEU courses can vary widely based on the content, duration, and accreditation. Here are some general guidelines:

- i. Short Courses (1-2 hours): \$50 \$150
- ii. Medium Courses (3-5 hours): \$150 \$300
- iii. Comprehensive Courses (6+ hours): \$300 \$1,000

We plan to offer a mix of free and paid courses to help attract a broader audience and provide value to healthcare providers.

I. Net Sales Projections: Net Gains after first 328 sales.

If courses are sold at \$1,000 per course and we offer sale of two courses (\$2,000 total), we can make up the costs of development, production, accreditation, hosting, and distribution in the first 180 - 330 course sales. If users purchase both courses, this will require 90 - 165 users. If we target healthcare institutions and assume that one institution presents five users

who purchase access to both courses (\$10,000 total), these costs can be made up through enrollment of 9 - 17 institutions.

2. Social Media Campaigns

A. Overview

At NourishED Research Foundation (NRFi), we aim to impact and change the environment eating disorders occur in to create a better future for everyone. We achieve this aim in part through leveraging our social media platforms—<u>Instagram</u>, <u>Facebook</u>, and <u>LinkedIn</u>—alongside <u>Dr. Bray's</u> AboutBoulder.com health column to amplify education and awareness about eating disorders and their social justice implications. Our campaigns prioritize accurate information on eating disorder demographics and prevalence rates, aiming to dismantle the "SWAG stereotype" that misattributes these conditions solely to "skinny, white, affluent girls." Our SEO analytics reveal that our website (www.nourishedrfi.org) is the top result for the search term "Nourished," and our social media posts reach over 5,000 new individuals per post, with over 500 engaging through likes, follows, shares, and comments. This significant impact is achieved with a minimal marketing budget, personally funded by Dr. Bray. With just \$30, one post can reach thousands, and with greater funding, we are confident in our ability to expand our reach and create a more supportive environment for those affected by eating disorders.

B. Social Media Outlets

At NourishED, we prioritize the following social media platforms:

i. NRFi Website (www.nourishedrfi.org)

- ii. Instagram (https://www.instagram.com/nourishedrfi/?next=%2F)
- **iii. Facebook** (https://www.facebook.com/people/Nourished-Research-Foundation-NRFi)
- **iv. LinkedIn** (https://www.linkedin.com/company/nourished-research-foundation-nrfi/)
- v. Dr. Bray's AboutBoulder.com health column

 (https://aboutboulder.com/columnists/brennabray/)

C. Impact

i. Website:

Our SEO analytics reveal that our website (www.nourishedrfi.org) is the top result for the search term "Nourished," and we actively receive messages and inquiries from folks who have eating disorders and are seeking help, as well as from folks who want to support our mission.

ii. Facebook Campaigns

a. First Month Impact:

- **Followers:** 5,018 new followers.
- **Reach:** Each post reaches an average of 884 new users.
- **Engagement:** 43 new users engage with each post.
- **New Followers**: 6 new users follow the page per post.
- **Budget:** Managed by a single intern with a budget of <\$75.
- **See Figure 6** on pg. 82 below.

b. Continuous Impact (45 Days):



NourishED Research Foundation, Inc. (NRFi)

- **Reach:** 25,600 unique users.
- Engagement: 252 content interactions.
- **New Followers:** 130 new followers.
- **Link Clicks:** 320 clicks to website or research articles.
- **Organic Reach:** 159 users.
- **Boosted Reach:** 25,528 users with <\$50 budget.
- **See Figure 7** on page 82 below.

c. Daily Impact (45 Days):

- **Average Reach:** 650 new users per day.
- **Budget:** <\$75 spent across Facebook and Instagram.
- See Figure 8 on page 83 below.

iii. Instagram Campaigns

a. Continuous Impact (30 Days)

- **Reach:** 3,900 unique users.
- Engagement: 454 content interactions.
- Link Clicks: 87 clicks to website or research articles.
- **Organic Reach:** 218 users.
- **Boosted Reach:** 3,770 users with <\$50 budget.
- **See Figure 9** on page 83 below.

b. Daily Impact (30 Days):

- **Average Reach:** 147 new users per day.
- **Budget:** <\$75 spent across Facebook and Instagram.



• See Figure 10 on page 84 below.

iv. Advertisement Impact

- a. Generic (AI) Social Media Advertisement (June 2024)
 - **Reach:** 34,439 new users.
 - **Engagement:** 378 post engagements.
 - Link Clicks: 376 clicks at \$0.42 per click.
 - **Demographics:** Valuable insights into age, gender, and location of users reached.
 - See Figure 11 on page 85 below.

b. "SWAG Stereotype" Advertisement

- **Reach:** 3,282 new users in 5 days.
- **Engagement:** 250 post engagements.
- Link Clicks: 240 clicks with \$34 budget.
- See Figure 12 on page 86 below.

v. Organic Post Impact

c. Food Insecurity Post

- **Reach:** 408 new users.
- **Impressions:** 412 impressions.
- **Engagement:** 7 post engagements without advertisement boosting.
- **See Figure 13** on page 87 below.



vi. Impact Summary: Overall, these results highlight the effectiveness of NRFi's social media campaigns in reaching and engaging a broad audience with a modest budget and limited resources. This demonstrates feasibility (e.g., "proof of concept") and efficacy of our current methods and provides an indication of what we can accomplish with greater resource access.



D. NourishED Social Media Campaign Impact Figures

Figure 1: The NourishED Research Foundation Website Homepage (www.nourishedrfi.org)

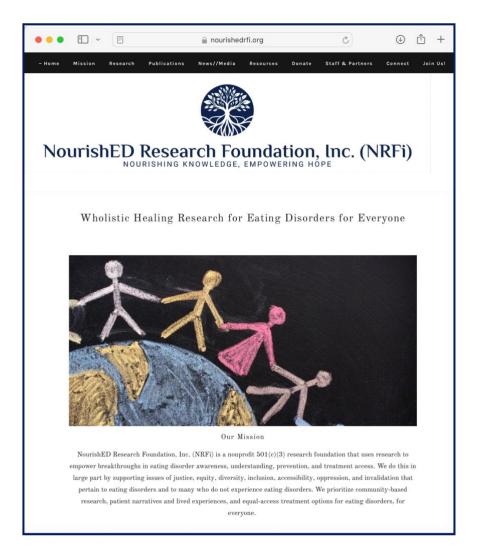


Figure 1: The NourishED Research Foundation (NRFi) Website was established in April, 2024 using the domain www.nourishedrfi.org. NRFi also owns several additional domains that route to the primary domain, including www.nourishedrfi.com, www.nourishedrfi.xyz. GoDaddy was used to build the site and is used to maintain the site, monitor its use, and design, schedule, and implement social media campaigns that simultaneously post to Facebook and Instagram.



Figure 2: NRFi Website Organic Traffic and Use

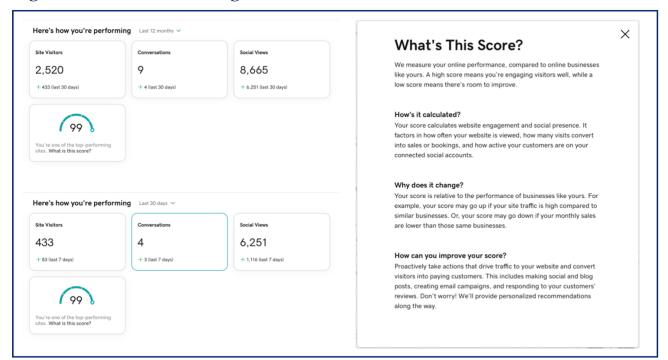


Figure 2 NRFi Website Organic Traffic and Use. Since the NRFi website conception on April 1, 2024, the website has had 2,520 unique site visitors (including unique 433 visitors between Aug 9-Sept 9, 2024, and 83 between Sept 2-9), 8,665 unique social views (e.g., website views within social media networks such as Instagram or Facebook), and 9 conversations (including 4 between Aug 9 – Sept 9 and 3 between Sept 2-9), according to GoDaddy analytics. Additionally, we are consistently ranked as one of GoDaddy's top-performing sites with a score of 99/100 since conception and in the past month and past week. The performance score measures online performance compared to online businesses similar to the business being scored. Scores are ranked out of 100. A high score indicates high visitor engagement. Scores are calculated based on website engagement and social media presence. Scores factor in how often the website is viewed, how many visitors convert into sales or bookings, and how active the customers are on connected social media accounts. Scores change relative to performance of businesses like the business under analysis. For example, a site's score may improve if the site traffic is high compared to similar businesses or decline if monthly sales are lower than that of similar businesses/sites.



Figure 3: NRFi Website Google Ranking

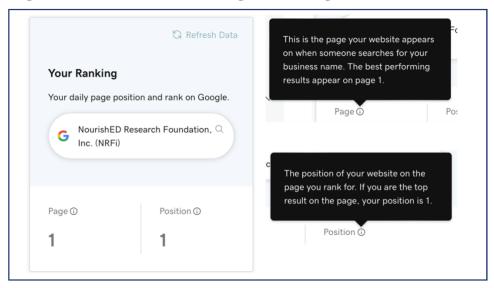


Figure 3: NRFi Website Google Ranking. According to Google Analytics, the NRFi website page is the first site to appear when someone searches for our business name and the firs position on the page we rank for, meaning that we are the top result on the page, with top page and position performance rankings (as indicated by a score of #1). Figure 5: NRFi Google Search Metrics

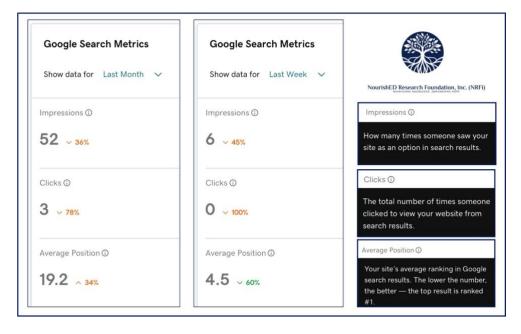


Figure 4: NRFi Google Search Metrics. According to Google Analytics, the NRFi website had 52 site "impressions" (instances in which someone saw our website as an option in Google search results in the past month (and 6 in the past week)), 3 "clicks" (instances in which someone clicked to view our website from a search result), and our average ranking in Google search results was 19.2 in the past month and 4.5 in the past week (demonstrate a 60% ranking improvement in one month).

Figure 4: NRFi Website Organic Search Discovery

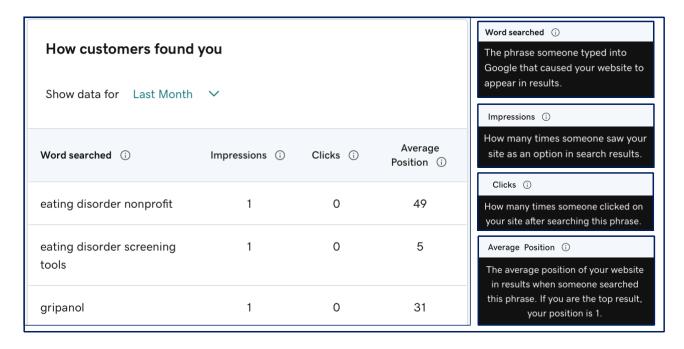


Figure 5: NRFi Website Discovery. In the past month (Aug 9 – Sept 9), we appeared in Google word searches for "eating disorder nonprofit," "eating disorder screening tools," and "gripanol," appearing 49^{th} , 5^{th} , and 31^{st} for those three-word searches.

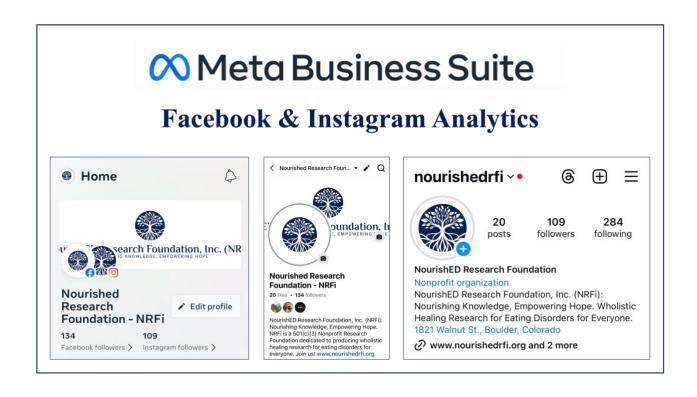




Figure 5: Social Media Campaign Impact: 5,018 Followers in First Month



Figure 6: 5,018 Followers in First Month. Our Meta Business Suite analytics show us that in the first month of our social media campaign, we gained 5,018 new followers. Each new social media post reaches an average 884 new users with 43 new users engaging with the post (e.g., liking, commenting, and sharing) and 6 new users following our page. Our campaigns are currently managed by a single intern responsible for creating, scheduling, posting, and boosting all posts with a budget of <\$75 split across all Facebook and Instagram posts.

Figure 2: Continuous Facebook Impact (25.6K New Users in 45 Days)

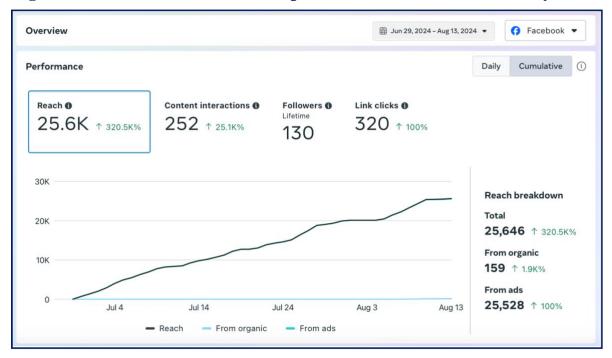


Figure 7: Continuous Facebook Impact (25.6K New Users Reached in 45 Days). Meta Business Suite Analytics reveal that in the first 45 days of our Facebook campaign, we reached 25,600 unique users, achieved 252 content interactions (e.g., "liking," commenting, sharing), gained 130 new followers and received 320 link clicks (e.g., clicking in hyperlinks to our website or research articles). Of the total 25,646 reaches we achieved, 159 were from organic (non-advertised) posts and 25,528 were from posts that were "boosted" (advertised) with a small budget of <\$50. The campaign was managed by a single intern responsible for creating, scheduling, posting, and boosting all posts with a budget of ~\$70 split across all Facebook and Instagram posts.



Figure 3: Daily Facebook Impact (650 New Users Per Day Average)

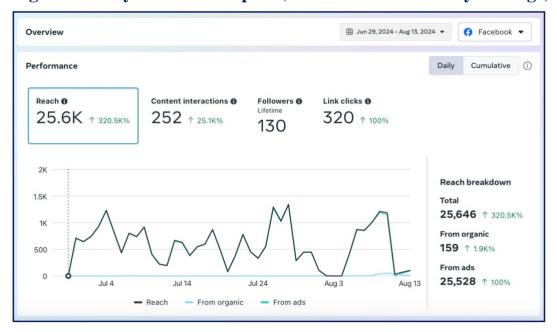


Figure 8: Daily Facebook Impact (650 New Users Per Day on Average). Our Meta Business Suite Analytics show us that in the first 45 days of our Facebook campaign, we reached 25,600 unique users at a rate of 650 new users reached per day. These results were achieved with a conservative advertising budget of <\$75 spent in total across all Facebook and Instagram during this time (e.g., ~\$35 spent on Facebook and Instagram ads over the course of 45 days) and a single intern managing the campaign (including creating, posting, and boosting posts).

Figure 4: Continuous Instagram Impact (3.9K New Users in 30 Days)



Figure 9: Continuous Instagram Impact (3.9K New Users Reached in 30 Days). Meta Business Suite Analytics reveal that in Aug 2024, our Instagram campaigns reached 3,900 unique users and achieved 454 content interactions (e.g., "liking," commenting, sharing) and 87 link clicks (e.g., clicking in hyperlinks to our website

or research articles). We reached 218 users organically (without advertised) and 3,770 users through posts that were "boosted" (advertised) with a small budget of <\$50.

Figure 5: Daily Instagram Impact (650 New Users Per Day on Average)

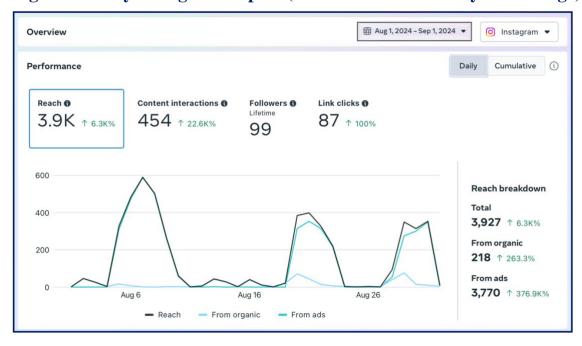


Figure 10: Daily Instagram Impact (147 New Users Per Day on Average). Our Meta Business Suite Analytics show us that in the month of August (2024), our Instagram campaign reached 3,900 unique users at a rate of 147 new users reached per day on average. These results were achieved with a conservative advertising budget of <\$75 spent in total across all Facebook and Instagram ads (e.g., ~\$35 over the course of 45 days allotted to Facebook and Instagram ads) and a single Social Media intern managing the campaign (including creating, posting, and promoting ads).



Figure 6: Social Media Ad Impact (34,439 Reached, 378 Engaged; Demographic Data)

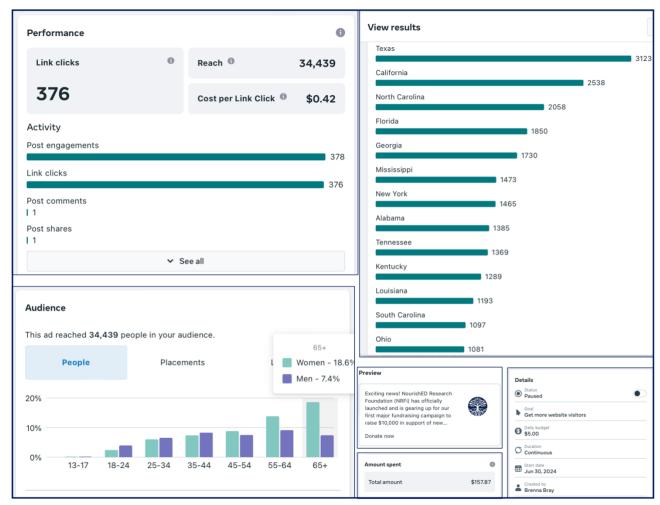


Figure 11: Social Media Advertisement Impact (34,439 Reached; 378 Engaged; Valuable Demographic Information Obtained). A generic post created by Meta Business Suite that was posted on June 30, 2024, and "boosted" daily for 31 days with a budget of \$5 per day (\$157.87 allocated advertising costs total) reached 34,439 new users and achieved 378 post engagements, 376 website link clicks (at a cost of \$0.42 per link click). Additionally, analytic data revealed important demographic information about the 34,439 individuals who this advertisement reached. For example, 18.6% of people reached were women 65+ years old, 13.8% were women 55-64 y/o, 9.1% were men 55-64 y/o, 8.8% were women 45-54 y/o, 8.3% were men 35-44 y/o (which exceed the 7.4% response of women in that age demographic). 3,123 respondents were in TX, 2,538 were in CA, 2,058 were in North Carolina, 1,850 were in FL, then GA, MS, NY, AB, TN, KT... etc. This type of analytic data can provide invaluable insights into (a) the types of individuals who engage with content-specific social media campaigns that address eating disorders; (b) the types of individuals who are most likely to be served by social media campaigns and respond to social media surveys; and (c) the types of individuals who are likely to be impacted by binge eating who can be reached through social media. Whether these possibilities are in fact true will be tested through NRFi's "Adults Seeking Support for Eating and Weight Concerns through Social Media Communities" Survey Study (See Section XIV.1 on pg. 102 below).



Figure 7: "SWAG Stereotype" Advertisement Impact (3.8K New Users Reached)

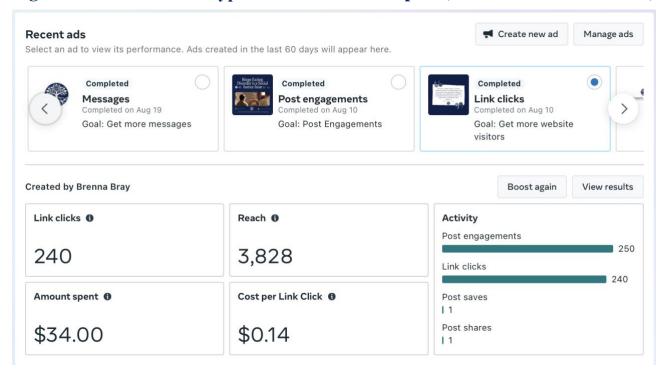


Figure 12: "SWAG Stereotype" Advertisement Impact (3.8K New Users Reached). Our Meta Business Suite Analytics show us that when a post on the "SWAG" stereotype that mistakenly ascribes all eating disorders to "skinny white affluent girls" was "boosted" with just \$34, we reached 3,282 new unique users and achieved 250 post engagements (e.g., post comments and "likes") and 240 link clinks (e.g., clicking on a hyperlink that directs the user to our website or a related research article) in just five days.



Figure 8: Organic Post Impact (408 New Users Reacted to a Post on Food Insecurity)

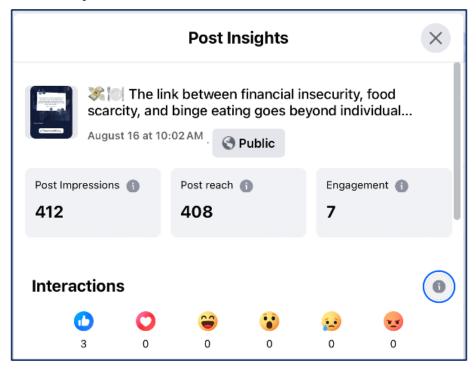


Figure 13: Organic Post Impact. Our Meta Business Suite Analytics show us that a single post on food insecurity in binge eating disorder reached 408 new unique users and achieved 412 impressions and 7 post engagements (e.g., post comments and "likes") without advertisement boosting.



3. NourishED Podcast

A. Title

i. The NourishED Podcast

The NourishED Podcast | Season 1: Nourishing Knowledge,
 Empowering Hope for Eating Disorders, For Everyone!

ii. Alternative Options

- "NourishED Voices:" Emphasizes the diverse perspectives and voices you'll be featuring.
- o "NourishED Insights:" Highlights the educational and informative nature of the podcast.
- o "NourishED Conversations:" Suggests a dialogue-based format, which can be inviting to a broad audience.

B. Hosts (Season 1)

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C. Description

The NourishED Podcast is the podcast companion for the NourishED Research Foundation, a nonprofit research organization that uses research to empower breakthroughs in eating disorders and the environments that eating disorders exist in. The podcast serves to support NRFi's ongoing community-based outreach and research efforts. It prioritizes the narratives, lived experiences, barriers, and needs of individuals with eating disorders. We also

prioritize equal-access options for treatment and health self-efficacy for eating disorders, for everyone.

Like NRFi at large, the podcast "Nourishes Knowledge and Empowers Hope, for Eating Disorders, for Everyone!"

Season One (1) of the NourishED Podcast is an educational series designed to accompany the Binge Eating Workbook. Co-hosted by Dr. Brenna Bray and Ellie G. Ashton, each episode delves into the themes and concepts presented in the workbook, providing listeners with additional insights, practical tips, and inspiring stories. The podcast aims to support individuals on their journey to recovery by offering expert advice and real-life experiences.

D. Intro & Outro

i. Intro

Keep it concise and engaging. Start with a brief welcome, introduce the podcast's mission, and provide a short introduction of the hosts. For example:

> "Welcome to The Bray-Grey NourishED Podcast, where we nourish knowledge and empower hope for eating disorders, for everyone. I'm Dr. Brenna Bray, a scientific neurobiological stress researcher, and I'm joined by my co-host, Dr. Ellie Grey Ashton, a trauma-informed clinician. Together, we'll explore the intersection of binge eating disorder and social justice issues."

ii. Outro

Summarize the key points discussed in the episode and provide actionable takeaways for the audience. Encourage listeners to subscribe, leave a review, and share the podcast. For example:

"Thank you for joining us on The Bray-Grey NourishED Podcast. We hope today's discussion has provided valuable insights and support. Remember to subscribe, leave a review, and share this podcast with others who may benefit. Together, we can make a difference."

E. Season 1: Accompanying the Binge Eating Workbook

i. Episode Structure

- **a. Episode 1:** Introduction to the Concept or Theme
 - Each workbook chapter is represented in one to two podcast episodes.
 - The first episode introduces the concept or theme of the workbook chapter, providing an overview and key takeaways.

b. Episode 2: Guest Stories and Expert Insights

 The second episode features a guest whose story is relevant to the contents of the chapter or an expert whose expertise is relevant.



 Guests may include individuals who have experienced binge eating disorder, expert researchers, clinicians, and healthcare administrators.

ii. Key Features

a. Educational Content

- In-depth discussions on the causes, symptoms, and impact of binge eating disorder.
- Practical tips and strategies for managing binge eating behaviors.

b. Guest Stories

- Personal stories from individuals who have experienced binge eating disorder, offering hope and inspiration to listeners.
- Insights into the challenges and triumphs of recovery.

c. Expert Interviews

- Conversations with leading researchers, clinicians, and healthcare administrators in the field of eating disorders.
- Expert advice on evidence-based practices and the latest research findings.

d. Interactive Elements:

 Opportunities for listeners to submit questions and topics for future episodes.



 Engaging discussions and Q&A sessions with the hosts and guests.

F. Marketing & Branding

i. Marketing

The NourishED podcast will utilize social media platforms for promotion. We will create engaging content such as teaser clips, quotes from episodes, and behind-the-scenes looks. We will collaborate with influencers and organizations in the eating disorder and mental health communities in Denver to reach a wider audience. We will also dedicate a section of the NourishED website to the podcast, where listeners can find episodes, show notes, and additional resources.

ii. Branding

We will incorporate the NourishED logo into our marketing and branding to reflect the mission of NourishED and symbolize growth, support, and community. The NourishED logo is clean and professional, with a color scheme that is inviting and calming (see header of this document).

iii. Website

We will dedicate a section of the NourishED website to the podcast, where listeners can find episodes, show notes, and additional resources.

iv. Platform Availability



The podcast will be made available on Apple Podcast and Spotify, as well as through our website and social media pages.

G. Accessibility and Availability

The NourishED Podcast will be available on major podcast platforms, including Apple Podcasts and Spotify. Episodes will be released weekly, and listeners can subscribe to stay updated on new releases. The podcast aims to provide accessible and valuable resources for individuals using the Binge Eating Workbook, particularly those who may lack access to healthcare providers or therapists.

4. Binge Eating Platform Video Modules

A. Overview

The Binge Eating Workbook Video Modules are designed to provide additional support and resources for individuals using the Binge Eating Workbook. These modules aim to enhance the workbook experience by offering guided instruction, practical exercises, and expert insights. The video modules are particularly beneficial for users who lack access to healthcare providers or therapists who can guide them through the workbook. These modules will be available for purchase on the NourishED website.

B. Key Features

i. Introduction to Binge Eating Disorder

Overview of binge eating disorder, its causes, symptoms, and impact on mental and physical health.

Explanation of the workbook's structure and how to use it effectively.

ii. Self-Assessment and Goal Setting

Guided self-assessment exercises to help individuals identify their triggers and patterns of binge eating.

Tips for setting realistic and achievable goals for recovery.

iii. Coping Strategies

Demonstrations of various coping strategies to manage difficult emotions and reduce binge eating episodes.

Techniques for practicing self-compassion and mindfulness.

iv. Behavioral Interventions

Step-by-step instructions for implementing cognitive-behavioral techniques and stress management practices.

Guidance on developing healthy eating habits and a positive relationship with food.

v. Community Support

Information on the benefits of peer-led mutual help groups, such as Overeaters Anonymous.

Tips for building a support network and seeking community resources.

vi. Workbook Exercises

Detailed walkthroughs of workbook exercises and activities.

Practical tips for integrating these exercises into daily life.

vii. Expert Insights

Interviews and discussions with experts in the field of eating disorders, including Angela Nauss, LMFT, and Ellie Ashton, MS.

Insights on the latest research and evidence-based practices for managing binge eating disorder.

viii. Q&A Sessions

Responses to common questions and concerns from workbook users.



Opportunities for users to submit their own questions for future video modules.

ix. Accessibility and Pricing

The video modules will be available for purchase on the NourishED website. We aim to make these resources affordable and accessible to all individuals, particularly those who may not have access to healthcare providers or therapists. Users can purchase individual modules or a complete package at a discounted rate.

5. Conference Presentations to Educate Healthcare Providers

A. Overview

Dr. Bray is a renounced international researcher and speaker. She will present at healthcare conferences locally and globally. Presentation fees, including travel, are projected to range from

B. Costs (\$20,000 - \$60,000 for one year; \$60,000 - \$180,000 for three years).

Conference registration fees typically range from \$1,000 - \$3,000, with travel costs ranging from \$1,000 - \$3,000 as well (\$2,000 - \$6,000 per conference). NRFi is seeking funding to support presentation at up to ten conferences annually. This will support dissemination of Dr. Bray's work and also support the career development of up to five research investigators who Dr. Bray will mentor in preparing and submitting research abstracts and presenting NRFi work at conferences. Thus, associated costs will range from \$20,000 - \$60,000 per year and \$60,000 - \$180,000 for three years.



6. Public Speaking Engagements (\$15,000 annually; \$45,000 for three years)

A. Overview

Dr. Bray is a world-renowned researcher and public speaker. She will engage in a variety public speaking events locally, nationally, and internationally to raise awareness of NRFi. She will also provide mentorship to up to five NRFi staff members to support local community-based speaking engagements initiated by NRFi regional leaders.

B. Costs (\$20,000 - \$60,000 for one year; \$60,000 - \$180,000 for three years).

Costs associated with these engagements are projected to be \$15,000 per year and \$45,000 for three years. These costs will cover up to 5 speaking engagements per year, including fees associated with space rental, light refreshments, travel, lodging, and associated insurance, and a small budget reserve).

X.Research Team

- 1. Research Focus Teams
 - A. Real-Life Intervention Use in Adults with Eating and Weight Concerns
 - i. Team Lead: Error! Reference source not found.; Error! Reference source not found.
 - ii. Support Team
 - a. Jan Rodriguez (Team Lead)
 - **B. BED in U.S. Veterans**
 - i. PI: Error! Reference source not found.
 - C. Somatosensory & Neurodivergence in BED
 - i. Team Lead: Ariana Pizadeh, MS
 - ii. Team Support:
 - (i) **Error! Reference source not found.**
 - iii. PI: Error! Reference source not found.
 - D. Public Health and Policy Initiatives to Improve Mental Health and Homelessness in Ghana
 - i. Team Lead: Error! Reference source not found.
 - ii. PI: Error! Reference source not found.
 - E. Heart Rate Variability in Binge Eating Disorder
 - i. Team Lead: Error! Reference source not found.

- ii. PI: Error! Reference source not found.
- iii. Team Support
 - b. Error! Reference source not found.

F. Treatment Barriers in BED

i. Team Lead: Error! Reference source not found.

G. CIH in BED

- i. Team Lead: Error! Reference source not found.
- ii. External Investigators:
 - a. Jordan Quaglia, PhD
 - **b.** External investigator (Pending Confirmation)
 - c. Naropa University; Core Associate Professor, Research Director of Center for Advancement of Contemplative Education (CACE) and Cognitive and Affective Science Laboratory (CASL)
 - **d.** https://www.naropa.edu/profile/jordan-quaglia/
 - e. https://www.jordanquaglia.com

H. Treatment Factors & Phenomenon in BED

- i. Team Lead & PI: Error! Reference source not found.
- ii. Support Team:
 - a. Error! Reference source not found.

- b. Error! Reference source not found.
- c. Error! Reference source not found.

I. Reward Dysregulation in BED

- i. Team Lead & PI: Error! Reference source not found.
- ii. Support Team:
 - a. Ariana Pizadeh, MS
 - **b.** Jamie Scholl Bushman
 - A. Pending Confirmation
 - B. External Investigator (Pending Confirmation)
 - C. University of South Dakota, Sanford School of Medicine, Center for Brain and Behavior Research (CBBRe)
 - D. https://www.usd.edu/research-and-faculty/faculty-and-staff/jamie-scholl)

J. Twelve Step Interventions in BED

- i. Team Lead & PI: Error! Reference source not found.
- ii. Support: J. Scott Tonnigan, PhD
 - Pending Confirmation
 - External Investigator (Pending Confirmation)
 - University of New Mexica, Center on Alcohol, Substance Abuse, and Addiction (CASAA); Integrative Management of Chronic Pain and Opioid Use Disorder for Whole Recovery (IMPOWR) Center

- https://casaa.unm.edu/people/investigators/stonigan.html,
- https://impowr.unm.edu/study-team/j.-scott-tonigan,-ph.d..html)

2. Research Skills Teams

A. Data & Cyber Security, Regulatory Compliance, & Responsible Technology Use

Error! Reference source not found.

Error! Reference source not found.

B. Biostatistical Data Analysis

Error! Reference source not found. (In-House)

Error! Reference source not found. (Volunteer Consult)

C. Public Health Education

Error! Reference source not found.

D. Public Policy Team

Adam Sadowsky, ND

E. IRB Educator

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XI. Research Activities

1. Real Life Intervention Use in Adults with Eating and Weight Concerns (and Binge Eating – Detected and Undetected)

Brenna Bray, PI/Team Lead; Jan Rodriguez (Team Lead)

Recent data finds that 95% of individuals with binge eating disorder never receive a formal diagnosis, 95% never pursue, receive, or recognize the need for formal treatment, and 85% lack access to healthcare. Moreover, given the confusing relationship between overweight, digestion, and binge eating, many individuals recognize, pursue, or receive treatment for their weight or digestive issues, rather than recognizing and treating the underlying eating disorder pathology (when present). This study will use social media recruiting to enroll and collect information from consenting individuals seeking support for weight, eating, and/or digestive issues to identify what percentage of these individuals qualify diagnostically as having binge eating a binge eating disorder, what interventions they've pursued to address their eating and weight issues, and what their experience with these interventions has been. Social Media and local services in the Denver Metro area will be used for recruiting. The secure Research Electronic Database Capture System (REDCap) will be used to securely administer surveys and collect and store data. Data will be analyzed for themes using retrospective analysis. Data will be presented at health conferences, published in high impact scientific journals and disseminated through the NourishED website, outreach campaigns, and CME/CEU accreditation courses.

2. Binge Eating Disorder in Colorado Veterans

Binge eating disorder (BED) is characterized by the rapid consumption of large amounts of food due to a loss of control. It is often comorbid with adverse life experiences and post-traumatic stress disorder (PTSD). Research indicates that individuals with BED frequently use binge eating as a coping mechanism for trauma, leading to significant psychological distress and physical health issues. Despite its prevalence, BED remains underdiagnosed and undertreated, particularly among veterans.

Current research on the prevalence of BED in veterans is limited, but existing studies suggest veterans are at a higher risk for eating disorders compared to the general population. For instance, the point prevalence estimates for BED among male veterans range from 2.2% to 2.4% among the 5% of individuals with BED who do receive a formal diagnosis, and 6.3% to 7.3% among female veterans who receive a formal diagnosis. Recent findings suggest 95% of individuals with BED never receive a formal diagnosis and often fail to recognize the underlying eating disorder pathology themselves. Thus, the 2.2-7.3% point prevalence rates for eating disorder diagnoses in U.S. Veterans are likely drastically underestimated. Moreover, even among individuals who do recognize the underlying eating disorder psychopathology, many decline to discuss these issues or seek clinical care for them, due to a variety of complex barriers, including stigmatization (both socioculturally and in healthcare settings related to body weight/shape/size, having an eating disorder, and having a mental and/or physical health diagnosis more broadly). This is further bolstered by an outdated misconception that ascribes eating disorders primarily to "skinny, white, affluent



girls" (the "SWAG" stereotype). This stereotype overlooks the diverse populations affected by eating disorders, including veterans who may not seek treatment due to shame and stigma.

This research aims to identify the prevalence rates of binge eating and BED among veterans in the Denver metro area using a secure Research Electronic Database Capture (REDCap) survey and medical health records. We will conduct semi-structured interviews to explore veterans' unique experiences, employing qualitative reflexive thematic analysis. Morning cortisol levels will be assessed through saliva samples to investigate potential links between cortisol, PTSD, and BED. Additionally, we will test the feasibility and safety of a community-based psychoeducation program tailored to veterans. User feedback will be utilized to adapt the program to meet the specific needs of the study participants. This research will directly impact the veteran population in Denver by providing insights and developing responsive interventions for BED.

3. Interoception, Somatosensation, & Neurodivergence in BED

Ariana Pizadeh, MS

Juliet Nadershahi (Team Lead)

This research explores the intricate relationships between neurodivergence, interoception, and alexithymia in the context of binge eating disorder (BED). Interoception, the process by which the nervous system senses, interprets, and integrates signals from within the body, is crucial for understanding emotional regulation and bodily awareness. Alexithymia, characterized by a lack of emotional awareness and difficulty in identifying and describing feelings, has been linked to interoceptive deficits. Recent studies suggest that these deficits are not limited to emotional interoception but also extend to non-affective interoception, such as perceiving heart rate. Our research aims to investigate these interoceptive deficits in individuals with BED, considering the potential transdiagnostic and endophenotypical nature of eating disorders. By examining the associations between interoception, alexithymia, and neurodivergence, we seek to uncover underlying mechanisms that contribute to the onset and maintenance of BED. This study also addresses the comorbidity between eating disorders and neurodevelopmental disorders, such as autism spectrum disorder (ASD), highlighting the need for a nuanced understanding of these complex interactions. Our findings may inform the development of targeted interventions and therapeutic approaches for individuals with BED, emphasizing the importance of interoception as a potential treatment target.

4. Network Mapping of Environmental Factors in BED

Rishi Lamichhane (Team Lead; Lamichhane et al., 2024 in prep)

Binge eating disorder is an autonomous DSM-V diagnosis with high prevalence rates and a complicated health sequela. Recent studies endorse a variety complex environmental factor that can contribute to the development and maintenance of binge eating disorder. For example, a recent cross-sectional mixed-methods study of binge eating disorder experts' opinions (Bray et al., 2022) identified nine themes and many subthemes that experts endorsed as environmental factors relevant to binge eating disorder. These included: (1) systemic issues and systems of oppression (100% expert endorsement); (2) marginalized and underrepresented populations (100% expert endorsement); (3) economic precarity and food/nutrition insecurity/scarcity (93% expert endorsement); (4) stigmatization and its psychological impacts (93% endorsement); (5) trauma and adversity (79% endorsement); (6) interpersonal factors (64% endorsement); (7) social messaging and social media (50% endorsement); (8) predatory food industry practices (29% endorsement); and (9) research/clinical gaps and directives (100% endorsement). Expert recognition and literature findings suggest that environmental factors identified in Bray et al., 2022 often intersect and interact in a variety of complex ways that often disproportionately impact specific vulnerable populations. Here, we applied a novel network mapping protocol to the qualitative data published in Bray et al., 2022 to provide a visual representation of the complex ways in which the primary themes experts endorsed as relevant to binge eating disorder may relate to one another and to binge eating.



5. Public Health Systems for Improving Mental Illness Through Food Security & Mental Health Support in Ghana

Rev. Fr. Albert Wugaa (Team lead; Wugaa et al., 2024 in prep)

Title: The Impact of Food Security and Mental Health Resources on the Rehabilitation of Unhoused Individuals: A Case Study from Nyrongo, Ghana

This study explores the intersection of food security and mental health resources in the rehabilitation of unhoused individuals, prompted by a case study from Nvrongo, Ghana. The research was conducted by the NourishED Research Foundation in collaboration with Rev. Fr. Albert Wugaa. The case involved an unhoused community member with mental instability who was provided with daily food and mental health resources by Fr. Wugaa. Over a period of 6-12 months, the individual's mental health significantly improved, enabling them to secure employment and reunite with their family. This case highlights the critical role of food security and mental health support in the recovery and reintegration of unhoused individuals. The findings underscore the importance of holistic approaches in addressing homelessness and mental health issues, particularly in resource-limited settings.

XII. Affiliations & Partnerships

1. National University of Natural Medicine's Helfgott Research Institute (NUNM/HRI)

NRFi is proud and grateful to have a formal affiliation with NUNM/HRFI.

This affiliation provides the following benefits:

- 1. Use of the NUNM/HRI <u>Institutional Review Board (IRB)</u> to review and monitor all NRFi human subjects research protocols and projects.
- 2. Use of the NUNM/HRI's free access to <u>Collaborative Institutional</u> <u>Training Initiative (CITI Program) Trainings and Certifications</u> in Responsible Conduct in Research (RCR), Human Subjects Research (HSR, including Health Insurance Portability and Accountability Act (HIPAA) compliance), and U.S. Food and Drug Administration (FDA) International Council for Harmonization (ICH) Good Clinical Practice (GCP).
- 3. Alliance and affiliation with NUNM/HRI on grant proposals (e.g., for federal research funding).
- 4. Mentorship and collaboration with NUNM/HRI research staff and team
- 5. Use of NUNM'HRI's research resources (e.g., PubMed, Dedoose, etc.).

XIII.....F iscal Sponsorship

NRFi is proud and grateful to receive fiscal sponsorship from the National University of Natural Medicine's Helfgott Research Institute (NUNM/HRI).

1. Executed Sponsorship Agreement

The details of the **Executed Fiscal Sponsorship Agreement** are outlined below.

This Executed Fiscal Sponsorship Agreement ("Agreement") is made and entered into as of August 30, 2024, by and between:

NourishED Research Foundation ("NRFi")

Address: 4580 Martin Dr. Boulder, CO 80302

Contact Person: Brenna Bray, PhD

Title: Founder, Director, CEO, & Principal Investigator

Email: brenna@nourishedrfi.org

Phone: +1 206-819-9647

and

National University of Natural Medicine's Helfgott Research Institute ("Helfgott")

Address: 2220 SW 1st Ave, Portland, OR 97201.

Contact Person: Joshua Goldenberg, ND Title: Associate Director of Research

Email: jgoldenberg@nunm.edu

Phone: +1 206-883-0119

A. Purpose

The purpose of this Agreement is to establish a fiscal sponsorship relationship between NRFi and Helfgott, whereby Helfgott will act as the fiscal sponsor for NRFi's projects and programs, specifically for applying to the Caring4Denver grant.

B. Recognition of Status

NRFi acknowledges that it has less than one year of tax returns and financial statements and a pending 501(c)(3) status. Therefore, NRFi is required to work with a fiscal sponsor to be eligible for the Caring for Denver grant. Thus, this document acknowledges the agreement of NUNM's Helfgott Research Institute to act as a fiscal sponsor for NRFi in its application and potential receipt of the Caring for Denver Community-Centered Solutions grant.

C. Responsibilities of Fiscal Sponsor

i. Mission Alignment

Helfgott shares a similar mission to NRFi and is a 501(c)(3) organization.

ii. Acceptance of Donations and Grants

 Helfgott can accept tax-deductible donations and grants on behalf of NRFi and agrees to do so as the fiscal sponsor for NRFi.

iii. Financial Oversight

Helfgott agrees to be responsible for the financial oversight of the project that is being submitted for funding from the Caring for Denver Foundation by NRFi ("Empowering Hope: Community-Based Solutions for Eating Disorders in Denver").

- Helfgott agrees to assist NRFi in fulfilling the requirements of the grant in a timely nature.
- o This will include provision of the following documents to NRFi:
 - i. Monthly financial statements.
 - ii. Year-end financial statements.
 - iii. A year-end statement of grant expenditures.
 - iv. Any additional information required for annual reporting to Caring for Denver.

iv. Grant Eligibility

 Helfgott is eligible to receive grants from the Caring for Denver Foundation and is subject to approval.

v. Mentorship and Resources

Helfgott has a track record of federal funding and agrees to provide mentorship and resources to NRFi through its previously arranged partnership as outlined in the Partnership Agreement Form signed August 28, 2024, and as outlined in the financial oversights detailed in #3 above.

D. Responsibilities of Sponsored Organization

Board of Directors and Advisory Board: NRFi maintains its own Board of Directors and Advisory Board. The Advisory Board quorum has representation through one vote on the Board of Directors.



E. Financial Arrangements

Helfgott will charge an administrative fee of 10% of the total direct costs for providing fiscal sponsorship services. This fee will cover the costs associated with financial oversight, reporting, and administrative support.

F. Term & Termination

This Agreement shall commence on Friday, August 30, 2024, and continue for a period of four years, unless terminated earlier by either party with 60 days written notice. Upon termination, any remaining funds shall be returned to the donor or used in accordance with the donor's

G. Confidentiality

Both parties agree to maintain the confidentiality of any proprietary information shared during the collaboration.

H. Indemnification

NRFi agrees to indemnify and hold harmless Helfgott from any claims, liabilities, or expenses arising from NRFi's activities under this Agreement.

I. Signatures:

Brenna Bray, PhD

Founder, Director, CEO, & Principal Investigator

NourishED Research Foundation | www.nourishedrfi.org

Joshua Goldenberg, ND

Associate Director of Research

National University of Natural Medicine's Helfgott Research Institute

XIV	A
ppendix A Business Strategy and Plan	

See Sections XIV-XVI on Fundraising Priorities and Activities.



NourishED Research Foundation, Inc. (NRFi)

XV. Appendix H: NRFi Flyer



Empowering Hope: Community-Based Solutions for **Eating Disorders for Everyone**



MISSION

NRFi uses research to nourish knowledge and empower hope for eating disorders, for everyone.



VOLUNTEER

Join NRFi to create a better future for eating disorders, for everyone!



DONATE

NRFi relies on donor support and every contribution helps. Learn more.



STAY CONNECTED

Follow us on Instagram, Facebook, & LinkedIn for news & event updates.



SERVICE

NRFi serves individuals and communities impacted by eating disorders & social justice roots.



STRATEGY

We target the environments eating disorders occur in to create a better future for everyone.



SOLUTIONS

Our community-based research, education, outreach, and treatments increase awareness about eating disorders and their social justice implications.



SUPPORT

We provide accessible and affordable treatment solutions.



RESEARCH

We use community-based research to better understand and serve eating disorders.



TRAININGS

NRFi's accreddited healthcare trainings improve eating disorder detection and care.



⊕ www.nourishedrfi.org



inourished@nourishedrfi.org



ကြီ @nourishedrfi





XVI.......A

ppendix I: Flyer Content for NRFi Fundraising Event

Event Name: NourishED Luminaries Gala

Description: Join us for an unforgettable evening at the NourishED Research Foundation's annual fundraising event in Denver, CO. This exclusive gathering will feature live music by the talented Rob Drabkin, an inspiring presentation by Brenna Bray, and a captivating discussion led by professional photographer and athlete Cory Richards, Vice President of NourishED. Enjoy a night of entertainment, networking, and philanthropy as we come together to support our mission of advancing research and education in the field of eating disorders. Your generous contributions will help us raise between \$100,000 and \$500,000 to fund our ongoing projects, including the development of a binge eating self-help workbook, free training for healthcare providers, and the creation of video modules and a podcast.

Highlights:

- Live music by Rob Drabkin and The Lumineers
- Presentation by Brenna Bray
- Discussion with Cory Richards
- Gourmet catering and beverages
- Silent auction and raffle
- Networking opportunities with like-minded individuals

Date: [Event Date] Time: [Event Time] Location: [Venue Name]

A ppendix J: NRFi Caring for Denver Target Locations & Impact Projections

The following locations will be provided with 3 million free access codes for the minimum viable product (MVP) of the NRFi binge eating platform (etextbook, e-workbook, and online resources) described in <u>section XI.1</u> and with free access to the MVP for NRFI Healthcare training modules described in section XI.2.

1. Food Pantries

- A. 127 Food Pantries
- B. 300,000 Denver Metro residents provided with service access
- F. Population Impact Projections:
 - **i. Denver Metro population:** ~715,522 to 2.96 million.
 - ii. Projected Denver Metro food pantry users: 102,000-423,000.
 - iii. Potential Denver Metro food pantry users with eating disorders: 51,000-212,000.
- 2. Community Health Centers (CHCs)
 - A. <u>15 Community Health Centers</u> (CHCs)
 - B. 1.8 million Denver Metro residents provided with service access
 - **G. Population Impact Projections**
 - i. Projected CHC Users: 1.875 million.

ii. Projected CHC users with eating disorders: 93,750-581,250.

3. Weight Loss Clinics

- A. 18 Weight Loss Clinics
- B. 1 million Denver Metro residences provided with service access
- **H. Population Impact Projections:**
 - i. Projected Denver Metro residents with overweight or obesity: 503,200
 -1,065,600.
 - **ii.** Projected individuals with overweight or obesity and eating disorders: 403,000–852,480.
 - **iii.** Projected individuals with overweight or obesity, eating disorders, and low socioeconomic status: 89,347–89,352.
 - iv. Denver Metro residents using GLP-1 drugs: ~12.5% of Denver Metro population.
 - v. Projected Denver Metro Off-label GLP-1 Drug Use for weight loss: 40%.
 - vi. Projected Denver Metro Off-Label GLP-1 drug use with comorbid binge eating: 10,723–118,400.

4. Eating Disorder Centers

- A. 4 Eating Disorder Clinics:
- B. 48,000-300,000 Denver Metro residents provided with access to service
- I. Population Impact Projections:

- i. Projected Denver Metro residents with an eating disorder: 56,862 to 356,936.
- ii. Projected Denver Metro Residents with an eating disorder who lack access to healthcare: 48,333–303,396.

5. Total Possible Impact in Denver Metro Area

- A. Food Pantries: 127 Food Pantries; 300,000 served.
- **J. Community Health Centers:** 15 Community Health Centers; 1.8 million served.
- **K. Weight Loss Clinics:** 18 weight loss clinics; 1 million served.
- **L. Eating Disorder Centers:** 4 Clinics; 48,000 300,000 served.
- M. Total: 164 locations; 3.4 million served.

6. Narrative with Citations

- **A. Food Pantries:** 127 locations; 300,000 served.
 - i. 127 Food Pantries
 - ii. 300,000 free access codes for e-platform resources)
 - iii. Impact Projection Narrative: The 2020 census estimates the Denver Metro population to range from ~715,522 to 2.96 million when including surrounding areas (www.macrotrends.net) and one in seven Denver Metro residents report using food pantries (102,00-423,000 estimated food pantry users)(www.foodpantries.org). Current research estimates that ~55% of food pantry users qualify

diagnostically as having an eating disorder (see citations in <u>Bray et al.</u>, <u>2022</u>), suggesting as many as <u>51,000-212,000</u> individuals in the <u>Denver Metro area may experience food insecurity and binge eating pathology</u>. We aim to provide free resources for these individuals and their families.

- N. Community Health Centers: 15 locations; 1.8 million served.
 - i. 15 Community Health Centers (CHCs)
 - ii. 1.8 million free access codes provided
 - iii. Impact Projection Narratives: The Colorado Community Health Network (cchn.org) estimates there are 15 Community Health Centers (CHC) that serve a total of 1.875 million under-served individuals in the Denver Metro Area. Current eating disorder data suggests 5-31% of Americans experience binge eating disorder at some time in their life, with higher prevalence rates in under-served communities and high rates of missed diagnosis and screening (of up to 95%; see citations in Bray et al., 2022). Thus, we estimate that ~93,750–581,250 under-served community health center users in the Denver Metro area will experience binge eating disorder at some point in their life and as many as 1.781 million users may experience sub-clinical or undiagnosed binge eating.
- O. Weight Loss Clinics: 18 locations; 1 million served.
 - i. 18 weight loss clinics
 - ii. One million free access codes distributed

iii. Impact Projection Narrative:

Online map resources (Google and Bing) identify 18 weight loss clinics in the Denver Metro area at least four with "low-cost" options. Patient use data is not publicly available for these clinics, so to estimate the number of Denver Metro residents who may use weight loss clinics and struggle with binge eating, we look to rates of obesity and GLP-1 drug use (e.g., Ozempic).

County Health Rankings 2024 data report 25% of Colorado residents have overweight or obesity (e.g., a BMI > 30), with county-wide percentages ranging from 17–36% (www.countyhealthrankings.org; Stiefel et al., 2021). Thus, we can estimate that ~503,200 – 1,065,600 of Denver Metro residents have clinical overweight or obesity. Data suggests that ~30–50% of individuals who seek clinical support for overweight and obesity have binge eating disorder at a level that impedes clinical care and up to 80% have less severe or subclinical binge eating (Bray et al., personal communication with University of New Mexico Weight Loss Clinic, 2021). Thus, we can estimate that ~403,000–852,480 Denver Metro residents may have overweight or obesity with clinical or subclinical binge eating. If we assume ~22% of these individuals also have low socioeconomic status (since 22% of weight loss clinics advertise "low-cost" options), we can estimate 89,347–89,352 Denver Metro residents have binge eating, clinical overweight or obesity, and low socioeconomic status.

Recently, GLP-1 drugs like Ozempic have also been found to have high use in the U.S. with high off-label use among individuals with binge-type eating disorder. For example, a Kaiser Family Foundation 2024 Health Policy Primer found that one in eight Colorado residents has taken a GLP-1 drug like Ozempic with 40% of users reporting off-label use for weight loss (Kaiser Family Foundation, 2024). Thus, we can

NourishED Research Foundation, Inc. (NRFi)

estimate that 12.5% of Denver metro's population has used a GLP-1 drug, 40% of those uses were off-label for weight loss, and between 30–80% of those have comorbid binge eating, suggesting ~10,723–118,400 Denver Metro residents use GLP-1 drugs for off-label weight loss with comorbid binge eating.

P. Eating Disorder Centers: 4 centers; 48,000 -

i. 4 Eating Disorder Centers

ii. 48,000 - 300,000 free access codes distributed

iii. Impact Projection Narrative:

In the Denver Metro area, we will distribute 3,600 free access codes to four eating disorder centers. These centers are estimated to serve between 56,862 and 356,936 individuals with eating disorders. Additionally, 48,333 to 303,396 of these individuals may lack access to healthcare, highlighting the critical need for these resources. This initiative aims to provide much-needed support to a significant portion of the community struggling with eating disorders.

The four main eating disorder centers we will service are:

Eating Disorder Foundation¹.

Eating Recovery Center Denver - Franklin St.

Eating Recovery Center | Pathlight Mood & Anxiety Center.

Eating Recovery Center Denver - 1st Ave.

Q. Total: 164 locations; 3.4 million served.