

# BIND: The Patient Experience

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# **Introductions**

# Christy Huff, MD

- Benzodiazepine Information Coalition (BIC), Director
- American College of Cardiology, Fellow
- Colorado Consortium's Benzodiazepine Action Work Group, Steering Committee



# D E Foster

- Easing Anxiety (The Benzo Free Podcast), Founder & Host
- Colorado Consortium's Benzodiazepine Action Work Group, Co-Chair
- Book: "Benzo Free: The World of Anti-Anxiety Drugs and the Reality of Withdrawal," Author







# Presentation objectives

- 1. Benzo Stories
- 2. Benzodiazepine Experience Survey
- 3. BIND Description
- 4. Life Effects
- 5. Lack of Support
- 6. Management of Symptoms
- 7. Resources







# **Benzo Stories**

- Christy's Story
- D's Story



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# Christy's Story

- History
  - Xanax (0.25 mg), taken as prescribed for sleep during health crisis
    - Physical dependence, tolerance, and inter-dose withdrawal within 3 weeks
    - Used Ashton method to taper (Valium), then later micro-taper, took 3+ years
  - 3 years BZ free, still have protracted symptoms
- Effects
  - Experienced 80 distinct symptoms.
    - Including: Chemical terror, POTS/tachycardia, severe fatigue, memory loss, cognitive impairment, muscle spasm and pain, akathisia, suicidal ideation, severe nausea, GERD, sensitivity to light and sound, internal tremor, intrusive thoughts, heat and cold intolerance, chills
  - Lifestyle Effects
    - Inability to work, drive, care for my child, manage my household, cook, complete basic self care (shower), sometimes bedbound





# D's Story

- History
  - 12 years on clonazepam (1-2 mg daily)
    - Taken as prescribed by primary care physician for gastric distress No warnings
  - Direct Taper / 18 Months
- Effects
  - Now 7 ½ Years Off Protracted Condition Daily symptoms and limitations of BIND
  - Over 50 distinct symptoms, many severe
    - Including: Extreme anxiety, panic attacks, depression, cognitive dysfunction, memory loss, anger/irritability, emotional blunting, suicidal thoughts, akathisia, facial paresthesia, pelvic floor dysfunction, gastric distress, urinary difficulties, abdominal distension, muscle aches and tears, heart palpitations, air hunger, gasping, flushing, personality changes, vertigo, sensory hypersensitivity, throat tightening, tinnitus, slurred speech, etc.
    - Misdiagnosis: Prostatitis / Prescribed fluroquinolone (neuropathy)<sup>1</sup> / Increase in symptoms
  - Lifestyle Effects Loss of Career / Loss of Freedom / Loss of Confidence / Loss of Self
    - New Life / Different Life Book / Podcast / BAWG / Research Author

<sup>1</sup> Ashton 2002 / FDA 2018







- Introduction
- Demographics
- Patient Quotes



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### Introduction

- Online Survey
  - Internet survey
  - October 2018 January 2019
  - Presenters Involvement
    - Christy Huff (Co-Creator, Author)
    - D E Foster (Statistician, Author)

"The aim of this study
is to assess the
experiences of those
taking, tapering, or having
discontinued benzodiazepines."

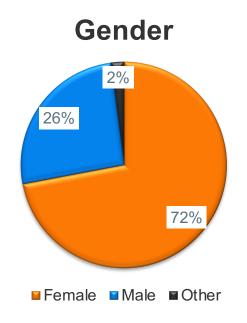
- Publication
  - First paper published, others planned and in development
    - Experiences with benzodiazepine use, tapering, and discontinuation: an Internet survey. Therapeutic Advances in Psychopharmacology. Published April 25, 2022.

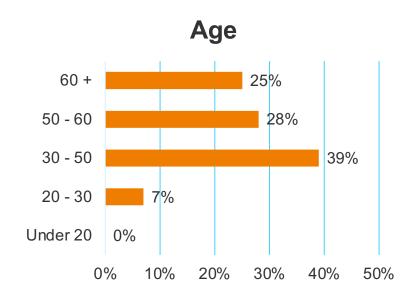




# Respondents

- 1,207 Qualified Respondents
- 77% were from the United States





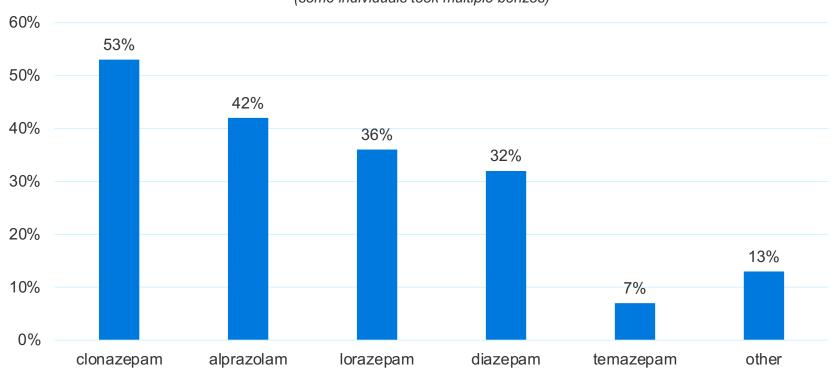


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# Benzo Usage

### Type of Benzodiazepine

(some individuals took multiple benzos)

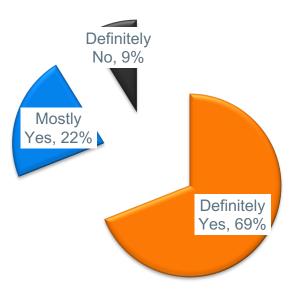




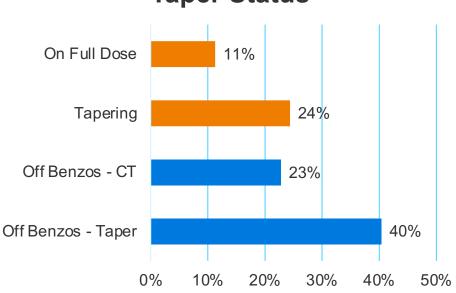


Benzo Usage

### Taken as Prescribed?



### **Taper Status**



91% of respondents took their benzodiazepine (definitely or mostly) as prescribed





# BZ Experience Survey Patient Quotes

"If I could think of the one worst possible thing you could do to a person, it would be benzo withdrawal. Beats cancer and Alzheimer's combined."

After 30 months of not taking BZ, one 10-year user said, "I'm still so violently ill. I'm bedridden most days with symptoms."

"Benzos have completely destroyed my life,
existence is beyond torture,
I do not believe I will survive."

"I was constantly coming down with mystery illnesses from the drug and these illnesses required additional medications to cover up the problems. Doctors never once acknowledged the pills could be the reason behind my issues."

"It is important that we be believed when we report how horrific the symptoms are that we have experienced and they can go on for many, many years. One of the most brutal aspects to my withdrawal experience is that I was not believed and even laughed at."





- Confusion / Terminologies
- BIND Definition
- Symptoms



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### BIND: It's not withdrawal

Doctors often trained to look for symptoms of w/d only

# Other Terminology for BIND

- Protracted Withdrawal (PW)
- Post-Acute Withdrawal Syndrome (PAWS)
- Persistent / Prolonged Withdrawal Syndrome (PWS)
- Benzodiazepine Withdrawal Syndrome (BWS)
- Benzodiazepine Injury Syndrome
- Benzo Brain Injury
- Others







### Definition

### Benzodiazepine-Induced Neurological Dysfunction (BIND)

BIND is a constellation of functionally limiting neurologic symptoms (both physical and psychological) that are the consequence of neuroadaptation and/or neurotoxicity to benzodiazepine exposure. These symptoms may begin while taking or tapering benzodiazepines, and can persist for weeks, months, or even years after discontinuation.<sup>1</sup>

### 14 Categories of Symptoms

- 7 Psychological
- 7 Physical







# Psychological Symptoms

Anxiety		
General Anxiety (GAD)		
Hypochondria		
Panic Attacks		
Paranoid Thoughts		
Phobias		

# Behavioral Anger Irritability Rage Aggression Depression Obsessions Apathy Suicidal Thoughts Personality Change Psychosis

# Cognitive Cognitive Dysfunction Memory Loss Intrusive Memories Hypersensitivity Lack of Concentration Easily Overwhelmed

Excitability
Akathisia
Agitation
Jumpiness
Restlessness
Restless Legs

Perception
Depersonalization
Derealization
Hallucinations
Misperceptions
Perceptual Distortions

Sleeping	Social
Insomnia	Agoraphobia
Intrusive Nightmares Return of Dreaming Toxic Naps Sleep Apnea	Anthropophobia Haphephobia Social Phobias Isolationism Emotional Distancing
Sicepriplica	Distancing



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Ashton 2002 / Foster 2018

# Physical Symptoms

### Abdominal / Gastrointestinal

Abdominal pain

Appetite Change

Benzo Belly

Constipation

Diarrhea

Distention

Inflammation

Nausea

Groin Pain

Pelvic Floor Dysfunction

Urinary

Difficulties
Weight Change

### Eyes, Ears, Nose & Mouth

Blurred Vision

Double Vision

Difficulty Swallowing

Dry Mouth

Strange Smells

Metallic Taste

Oral Thrush

Sore Eyes

Sound & Light Sensitivity

**Tinnitus** 

### Head & Neck

Balance Issues

Dizziness

Light

Headedness

Headache

Migraines

Neck Pain

Slurred Speech

Throat

Tightening

# Heart & Lungs

Heart

Palpitations

Over-breathing

Chest Pain

Air Hunger

Gasping

Flushing

Sweating

### Muscular

Aches and Pains

Electric Shocks

Fatigue

Sprains

Pulls & Tears

Stiffness

Tremors

Twitches

Jerks & Tics

Weakness

Convulsions

Paralysis

Seizures

### Nerve Sensations

Altered Sensations

Hypersensitivity

Numbness

Paresthesia

Formication

Skin Rashes

Itching

Tingling

Burning Skin

# Immune & Endocrine

Increased Infections

Lowered Immune System

Breast Swelling

Breast Pain

Menstrual Difficulties

Sexual

Dysfunction

Loss of Libido



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# Benzodiazepine Experience Survey

Percentage of respondents who experienced top 12 symptoms

Symptom	Percent
Nervousness, anxiety, fear	
Sleep disturbances	87%
Low energy	86%
Difficulty focusing, distracted	85%
Sensitivity to light, noise, talk, smell, triggering symptoms	79%
Memory loss	77%
Digestion, nausea, diarrhea, other stomach/gut issue	75%
Head pain, pressure	72%
Trembling or tingling in limbs, skin	72%
Balance problems	71%
Uncontrollable crying or anger	71%
Muscle weakness	70%







# **Life Effects**

- Life Altering Condition
- Suicidality



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# Life Effects Life Altering Condition

- Career (financial hardship)
  - Loss of income
  - Loss of insurance
- Healthcare costs
- Relationships / family
- Judicial System
- Disability / mobility
  - Driving / transportation
  - Loss of independence
- Confidence / self-esteem







# Life Effects

# Life Altering Condition

Benzodiazepine Experience Survey

### Have your discontinuation symptoms affected...

Lifestyle Effect	Percent
Fun, recreation, hobbies	89%
Social interaction, friendships	86%
Ability to take care of home, others	85%
Relationships with spouse, family	85%
Work life	83%
Ability to drive or walk	76%





# Life Effects

# Life Altering Condition

### Benzodiazepine Experience Survey

### Have you experienced any of the following consequences of withdrawal?

Lifestyle Effect	Percent
Significantly affected marriage, other relationships	57%
Suicidal thoughts or attempted suicide	54%
Lost a job, fired, became unable to work	47%
Experienced significant increase in medical costs	41%
Loss of wages or lower wages in a reduced job capacity	33%
Lost savings or retirement funds	27%
Violent thoughts or actual violence against others	24%
Lost a home	13%
Lost a business, if a business owner	8%
Lost child custody	3%



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# Life Effects Suicidality

- Statistics
  - **54% of survey respondents** reported suicidal ideation and/or attempted suicide <sup>1</sup>
  - A review of 17 studies found that benzodiazepines can be associated with increased suicide risk <sup>2</sup>
- Causes
  - Suicidal ideation can be a side effect or withdrawal symptom, in the form of random, intrusive thoughts that encourage self harm
  - With BIND, there is also weariness from severity/persistence of symptoms and despair from not knowing if symptoms will improve

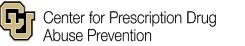
<sup>1</sup> Finlayson 2022 <sup>2</sup> Dodds 2017







- Sources of Support
- Medical Community
- Family / Relationships
- Turning to the Internet

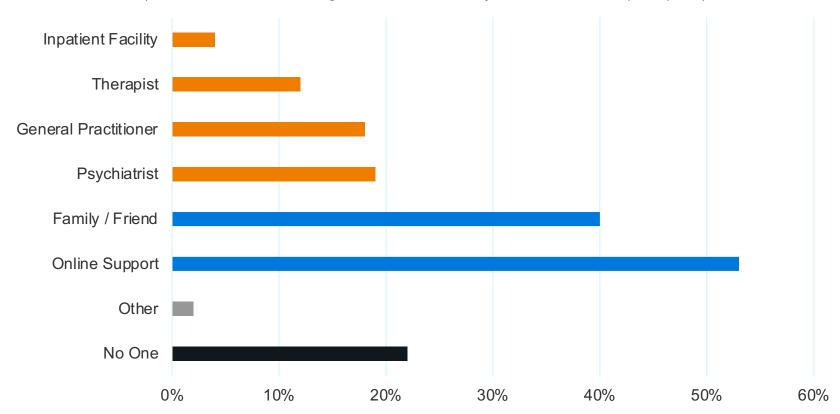


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### **Sources of Support**

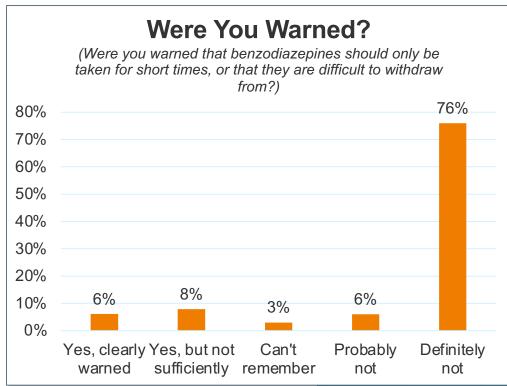
(Sources of assistance during withdrawal identified by 493 Benzo Buddies participants)





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# Medical Community



Finlayson 2022

The FDA review that led to the updated BZ boxed warning in Sept. 2020
States that there is a "lack of awareness or misconceptions among prescribers about appropriate

management of patients taking benzodiazepines."



**US FDA 2020** 



# Lack of Support Medical Community

# FDA

### FDA Review

- 104 adverse event reports were reviewed.
- Common themes were:
  - Misdiagnosis of BZ withdrawal leading to increased dose of BZ
    - Can also lead to unnecessary medical testing and poly-pharmacy
  - Patients told they could stop BZ abruptly since it was a "low dose."
  - Patients told to taper too quickly (e.g., halve the dose), resulting in withdrawal symptoms

US FDA 2020





# Medical Community

"While it might initially seem that these communities and video blogs are simply artifacts of the internet culture, a closer look at the stories told on these forums suggests a different message. The message is that physicians have been unprepared for these withdrawal disorders and are unable to treat or even guide patients through complicated withdrawal from these substances."

— Psychiatric Times, 2018







# Medical Community

- Symptom Identification / Confusion
  - Withdrawal vs. BIND
    - Misconception that symptoms would resolve within 10-28 days
  - BIND Symptom vs. Relapsing / New Medical Condition
- Distrust
  - Turn to alternative medicine
- Lack of Informed Consent
  - BAWG / BIC Informed Consent benzoinfo.com/informed-consent





### Family / Relationships

- 85% of survey respondents claim negative effects on family and home <sup>1</sup>
- Factors that can affect familial / friend support
  - Misunderstanding / Disbelief
  - Caretaker Fatigue
    - Severity & Duration of Illness
  - Loss of Income
  - Loss of Libido / Intimacy
  - Anger / Irritability
- Family / Relationship therapy can be beneficial

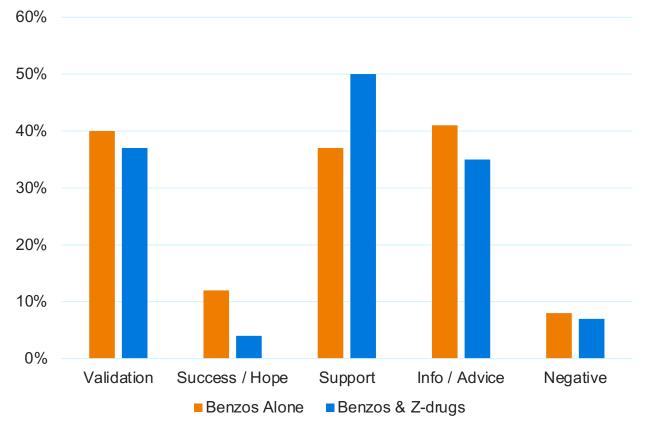






# Online Support

Benefits of Online Support (reported by Benzo Buddies members)





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# Online Support (The Good, the Bad, and the Ugly)

- The Good
  - Support from individuals with similar experiences
  - Emotional Support / Friendship
- The Bad
  - Horror stories, talk of suicide can be triggering
  - Emotionally draining to support other members, when ill yourself
  - Misinformation / Bad medical advice
- The Ugly
  - These groups exist because BIND is not recognized
  - No formal support, so there is no where else to go



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# Management of Symptoms (Non-Medication)

- Counseling / Therapy
- Peer Support
- Alternative Treatments / Supplements
- Coping Skills / Lifestyle Modifications



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(non-medication)

# Counseling / Therapy

- CBT Treatment Efficacy
  - A 2017 NEJM review article on the treatment of benzodiazepine dependence states that good evidence exists for the use of Cognitive Behavioral Therapy (CBT) to manage BZ discontinuation. <sup>1</sup>
  - A 2018 evidence-based clinical practice guideline on deprescribing BZs recommends CBT as a nondrug approach for **managing insomnia**. <sup>2</sup>





(non-medication)

# Counseling / Therapy

- CBT Treatment
  - CBT can help develop coping skills and manage psychosocial stressors
- BIND Educated Therapy
  - If possible, utilize a therapist familiar with the unique challenges of BIND
- Limitations / Cognitive Impairment
  - Cognitive impairment and other symptoms may interfere with the patient's ability to retain new skills and put them into practice.





(non-medication)

### Alternative Treatments / Supplements

- No where else to turn
- Trial and error
- Results vary / Individual
- Treatments
  - Massage / Acupuncture
  - Functional Medicine
- Supplements
  - Natural Herbs / Vitamins / Melatonin
- CBD/THC







(non-medication)

# Coping Skills / Lifestyle Modification

- Anxiety Management
- Acceptance
- Distraction
- Exercise
- Diet
- Sleep Hygiene
- Meditation / Yoga
- Stress Reduction







(non-medication)

### Peer Support

- Primary tool for ongoing support
  - Those with lived-experience understand the true experience of BIND
  - Connecting with the patient / Validation
- Types of Peer Support
  - Online Groups / Coaching / Social Media / In-Person Support Groups
- Peer Support Documentation
  - BAWG Peer Support <u>benzoaction.org</u>
- BAWG Peer Support Training Program
  - In Development (Deployment 2022)









# Lead Organizations

- Benzodiazepine Action Work Group (BAWG) <u>benzoaction.org</u>
  - Colorado Consortium for Prescription Drug Abuse Prevention
- Benzodiazepine Information Coalition (BIC) <u>benzoinfo.com</u>
- The Alliance for Benzodiazepine Best Practices <u>benzoreform.org</u>
- Easing Anxiety (EA) <u>easinganxiety.com</u>











### Physician Resources

- BAWG Prescribing & Deprescribing Guidance / Informed Consent benzoaction.org
- Cooperative Doctors List <u>benzoinfo.com/doctors</u>
- The Ashton Manual— benzoinfo.com/ashton

### Additional Patient Resources

- Benzo Buddies <u>benzobuddies.org</u>
- Benzo Warrior <u>benzowarrior.com</u>
- Other discussion groups / Facebook groups / support groups





### Coaching / Therapy

- Jennifer Leigh, PsyD <u>benzowithdrawalhelp.com</u>
- Baylissa Frederick, BMSc, MA <u>baylissafrederick.com</u>

# Peer Support

- BAWG Peer Support Guidance Document <u>benzoaction.org</u>
- BAWG Peer Support Training Program (in development)

### **Podcast**

• The Benzo Free Podcast — <u>easinganxiety.com/podcast</u>





### Presenters' Contact Information



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# Questions?

### **Benzodiazepine Action Work Group**

Visit our webpage for more information on...

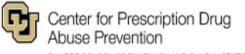
- Prescribing / Deprescribing Guidelines
- Informed Consent Information
- Links to Organizations and Resources
- How to Join the Work Group

BenzoAction.org



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