The Patient Perspective

Amy Leitman, JD President, NTM Info & Research





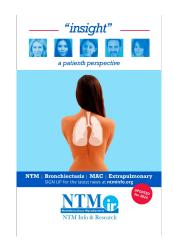


By Patients, For Patients



Co-founders: Patient and caregiver







The website: ntminfo.org







NTM and Bronchiectasis: The Patient Experience

- Long delays to proper diagnosis
- Long, burdensome treatment regimens
- Side effects, some permanent
- Hemoptysis
- Severe cough
- Extreme fatigue
- Shortness of breath
- Unpredictability in day-to-day health and functioning
- Social isolation and stigma





DIAGNOSED: What now?

- What is it?
- Am I contagious?
- How will my life change?
- Will my family help me?
- Will my friends want to be around me?
- Am I getting the correct treatment?
- How long will I be on treatment?
- What are the side effects?
- Do other people have this?
- Where do I find more information?
- Am I going to die from this?





Patient-Focused Drug Development

Patients reported these three symptoms as having the most significant clinical impact on their daily lives:

- Fatigue
- Cough
- Shortness of breath

Center for Drug Evaluation and Research (CDER), U.S. Food and Drug Administration (FDA). The voice of the patient: a series of reports from the U.S. Food and Drug Administration's (FDA's) Patient-Focused Drug Development Initiative: non-tuberculous mycobacterial (NTM) lung infection. Public Meeting: October 15, 2015. 2016 April [accessed 2016 April 30]. Available from: http://www.fda.gov/downloads/ForIndustry/UserFees/PrescriptionDrugUserFee/UCM496941.pdf





Potential Specific Questions and Next Steps

NTM Research Consortium

ANNALSATS SUPPLEMENT

Patient-Centered Research Priorities for Pulmonary Nontuberculous Mycobacteria (NTM) Infection

An NTM Research Consortium Workshop Report

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Abstract

Nontrolecules republicated (NTM) cases an increasingly important dronate and deliberating long disease in solder adults.

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ANNALSATS SUPPLEMENT

Prevention	 Strengthen the role of patients in preventing NTM infection or reinfection 	Evaluate whether aspiration increases the risk of NTM infection or reinfection
	Limit the risk of patient-to-patient transmission of NTM infection in cystic fibrosis clinics	Estimate the risk of person-to-person or indirect transmission in CF clinics
riei ebs		Comparative effectiveness of standard and expanded infection control precautions
x d Diagnosis	 Improve the timeliness of diagnosis and develop molecular techniques for rapid species identification and susceptibility 	Validate molecular diagnosis techniques being developed by National Jewish Healthcare
	 Develop a screening algorithm for patients at risk for pulmonary NTM disease 	Predictors of positive culture Predictors of meeting ATS disease criteria at diagnosis
ng da	 Develop better methods for sputum collection and testing 	Identify techniques that improve sputum collection Develop new collection devices
Quality of life	Reduce the impact on patients of anxiety and depression	Evaluate anxiety and depression after diagnosis or during treatment in patients with NTM disease Association between anxiety/depression and
	7. Develop an NTM-specific Health-Related Quality	poorer treatment adherence Validate NTM Symptom Module* tool
	of Life tool	Valoate IVIIII Oyliptotti Ilioodie 1001
	 Promote quality-of-life measures for assessing the effectiveness of treatment 	Validate correlation between NTM Symptom Module and clinical outcomes
Treatment	Reduce the burden of antibiotic treatment for NTM disease	Develop and evaluate alternative delivery systems for intravenous antibiotics
		Repurpose existing therapies Develop new, more effective drugs with a shorter therapy duration
	 Develop and test the efficacy of nonpharmacological therapies and holistic medicine approaches 	Comparative effectiveness of exercise and lung clearance devices, taking into account ease of use and affordability
	 Improve understanding of who needs or benefits from antibiotic therapy 	Role of therapy in mild cases to prevent disease progression
		Predictors of treatment response
Clinical outcomes	 Develop a composite measure of disease activity or severity 	Develop a composite index of disease activity or severity that includes microbiological, chest imaging, and quality of life measures
	 Identify and validate biomarkers associated with disease risk, prognosis, and treatment response 	Identify biomarkers associated with disease risk, prognosis, or treatment response

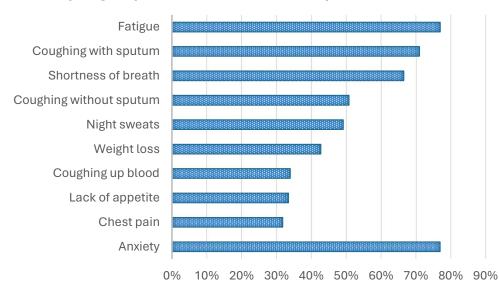
Definition of abbreviations: ATS = American Thoracic Society; CF = cystic fibrosis; NTM = nontuberculous mycobacteria.



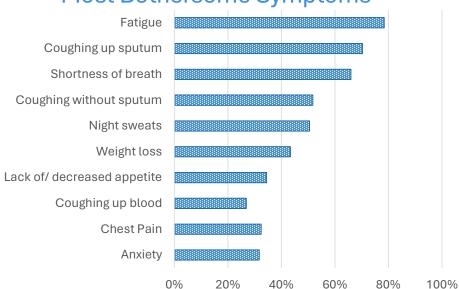


Patients: Telling Us How They Really Feel

Top Symptoms Patients Experienced



Most Bothersome Symptoms



Development of Drugs for Nontuberculous Mycobacterial Disease: Clinicians' Interpretation of a US FDA Workshop (CHEST August 2020)





What Matters to Patients?

- Quality care
- Effective treatments
- Sound information
- Solid support





True Story...

"Oh no, I don't have NTM. I have MAC."





How You Can Help Your Patients

In addition to taking medicine, seek out the following:

- Regular follow-up testing
- Airway clearance and referral to RT
- Nutrition and referral to dietitian
- Exercise and fitness, referral to physiotherapy if needed
- Proper rest
- Psychological support mechanisms, referral to therapy
- Clinical trials

Contact us at NTM Info & Research for online support, support groups, and information on clinical trials





Manage Expectations: What to Expect When You're Expecting Side Effects

Peer support can be crucial in helping you learn from each other about side effects and how to reduce them. Support and knowledge can help reduce your anxiety and increase your likelihood of continuing treatment.

n = 98

Hoarseness/Loss of Voice

Gargling with salt water: 12

Reduce frequency of dosing: 22

Discontinue temporarily: 8

Lozenges: 3

Coughing

Nebulize with bronchodilators: 10

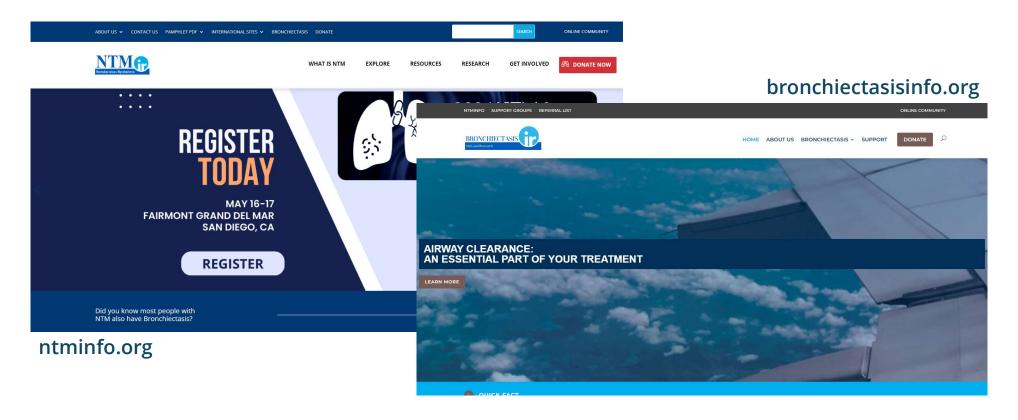
GI side effects

Probiotics: 6





Resources for Patients









42 GROUPS

37 US

5 Ex-US





...munities • Directory Events Browse • Participate

A safe space for patients to support one another.

Global Forum

₩ Setting

Communities / Community Home

s to collaborate, support, and share

Home

Community Home

Featured Post

Discussion 12.5K

Library 118

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Blogs 0

Connect

others with whom you may seek



Engage

Participate in discussions with your peers





Update on NTM Lung Disease and Airway Clearance

2.3K views • 1 month ago



Let's Talk COPD, Bronchiectasis, NTM Lung Disease

650 views • 3 months ago



Meal Planning for individuals with NTM-LD

343 views • 6 months ago



NTM Info & Research

About NTM Info and Research

355 views • 7 months ago



NTM Case Conference Series: Dr. W. Dwight Miller Presenting

304 views • 8 months ago



Rare Disease Day Webinar

191 views • 11 months ago



Building Confidence

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Healthy Holiday Webinar

38 views • 1 year ago



Accepting









"insight" —









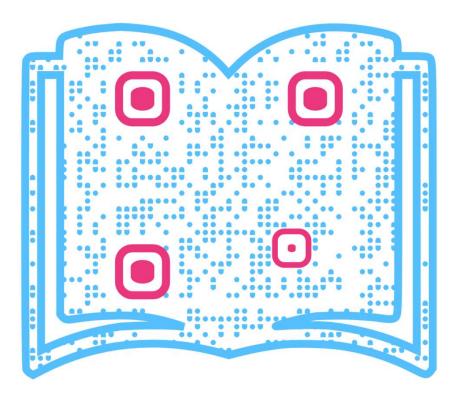


a patient's perspective





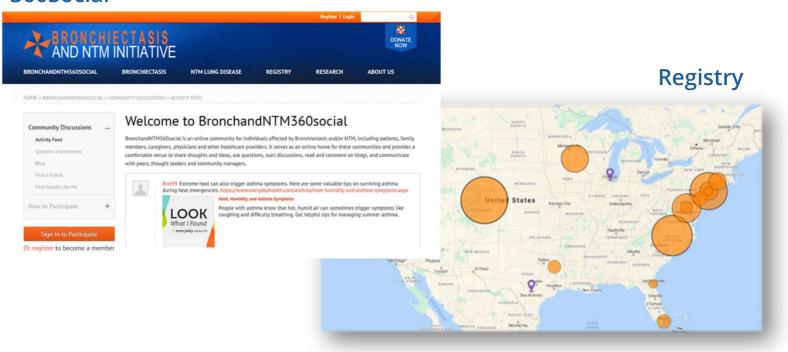








360Social

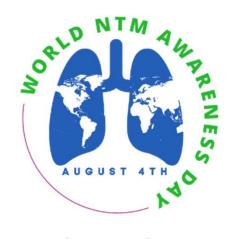








May 16-17 | FAIRMONT GRAND DEL MAR | San Diego, CA



worldntmday.org

5/16-17: NTM/BE Patient Conference

7/1: World Bronchiectasis Day

8/4: World NTM Day





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NTMir





Teamwork Makes the Dream Work



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