# CELAC AWARENESS 

Actress Jennifer Esposito dishes about how she has fully embraced a gluten-free diet

## Mostly undiagnosed, celiac disease, affects more Americans than Type 1 diabetes, Crohn's disease and cystic fibrosis combined.

Going


When you think of the holidays, you often think of food. Not just any food, but the mouthwatering kind that is filled with gluten like turkey and cornbread stuffing, dinner rolls and delicious breads, pumpkin pie, chocolate cake and lemon tarts. Every family has their favorite "gluten-filled" holiday treat. In 2003, we opened a "Pandora's Box" of disorders related to gluten, a toxic protein found in wheat.That year the University of Maryland Center for Celiac Research released revolutionary research now known as the "prevalence study" showing that one in 133 Americans has celiac disease, a widely recognized autoimmune disorder that damages your intestine and can also wreak havoc on your metabolism, neurological, musculo-skeletal and even cardiovascular system.

## A rising concern

Formerly thought of as a rare childhood illness, the rate of celiac disease is rising among all age groups,
particularly among the elderly. Causing damage to the small intestine that leads to nutritional deficiencies, this autoimmune disorder spares no age, race, or gender.
Now, close on the heels of the growing diagnosis and awareness of celiac disease comes another condition related to the consumption of wheat, barley and rye:gluten sensitivity.The numbers are tricky, butwe estimate that approximately 15 million Americans suffer from some form of gluten sensitivity. Our recent research shows that although the condition mimics the clinical symptoms of celiac disease, it doesn't cause the same intestinal damage.
If you suspect that you are suffering from symptoms that might be related to gluten consumption, don't diagnose yourself. Visit your physician to rule out celiac disease before giving upgluten to see if your symptoms resolve.

## Healthy holiday fare

If you have celiac disease or suffer from gluten sensitivity, don't despair as you think about those holiday goodies. Not only are there


WE RECOMMEND


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Publisher: Megan Brunhofer megan.brunhofer@mediaplanet.com Business Developer: Sara Quigley sara.quigley@mediaplanet.com Designer: Missy Kayko missy.kayko@mediaplanet.com Managing Director: Eric Alexander eric.alexander@mediaplanet.com Editorial Manager: Luciana Colapinto luciana.colapinto@mediaplanet.com

Contributors: Whitney Ahret, Maven Browning, Celiac Disease Foundation, Jennifer Esposito, Dr. Alessio Fasano, John Forberger, Dr. Stefano Guandalini, Gluten Intolerance Group, Dr. Bana Jabri, Gluten Intolerance Group, Dr. Bana Jabri, Michael Koehler, Kim Koeller, Cynthia Kupper, Dr. Ralie McAllister, National Foundation for Celiac Awareness, Jules Shepard, Wendy Taylor

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## CENTER for CELIAC RESEARCH

The Center for Celiac Research at the University of Maryland is recognized as a world leader in the field of celiac disease \& gluten sensitivity. It houses a comprehensive, multidisciplinary program covering clinical care for adults \& children, support services, education \& scientific research.

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## BEST TIPS

## Your gluten-free lunchbox

Packing a nutritious school lunch for children can be a challenge for any parent, but for those with children who are gluten-intolerant, it can be especially difficult to make sure they're getting the nutrients they need each and every day. Because children following glu-ten-free diets may not get enough fiber or critical nutrients like calcium and iron, parents should strive to choose foods that are good sources of these nutrients.

With a little research and support, parents can find the balance between a nutritious, gluten-free diet and ensure that their children will grow and thrive.
$\square$ Include foods that are high in protein like eggs and nuts to pro-

vide energy throughout the day. Dairy products, like milk and cheese, are good sources of calcium. Calcium-fortified orange juice and broccoli are additional sources of this important mineral. While food is always the gold standard for providing complete, balanced nutrition, I recommend incorporating nutritional shakes to supplement a healthy diet, as long as they are gluten-free. These beverages are portable, nutritious, and easy for parents to pack in alunchbox.

## Raising happy, gluten-free kids

Parents: Implementing a gluten-free diet is no walk in the park
A diagnosis of celiac disease or gluten sensitivity significantly impacts children and families, and there are challenges when raising a child with special dietary needs. With the right information, a few helpful hints and a good attitude, parents and kids can live, learn and thrive on a gluten-free diet.

- Early education and empowerment are essential. Children with celiac must learn how to advocate for their health. This means more than knowing the basics of a
gluten-free diet; they also need the social skills and confidence to stay safe wherever they go. Plan meals together and use role play to teach your child how to communicate his orher needs.
Look at it as a bonding experience. A gluten-free diet can be a major adjustment, but it also provides opportunities for families to bond through learning. Activities like reading labels, cooking, or ordering in a restaurant can be a chance to make lasting memories together.
The art of substitution. Staying focused on healthy gluten-free foods is important, but sometimes children with celiac just want to fit in with all the other kids. Feelings of deprivation and isolation can
impact gluten-free diet compliance and overall emotional health. With a little research, you can easily find kid-friendly gluten-free foods like pizza and cupcakes at grocery stores in your area.
- It's not always about the food. The holiday season is a wonderful time to teach your child the value of volunteerism. NFCA's Awareness All-Stars Fundraiser is a wonderful way for kids across the country to unite and raise money for celiac disease! Whatever the project, encouraging your child to support a cause they feel passionate about can help them find happiness and build character.

WHITNEY EHRET
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## Grassroots movement spurs gluten-free labeling process

This May, when nearly 12 feet of gluten-free goodness towered above a crowd that included Food and Drug Administration Deputy Commissioner for Food,MichaelTaylor,activists knew little of the progress that would be left in the cake's shadow. Gluten-free cooking expert and author Jules Shepard, and glu-ten-free activist and athlete John

Forberger began the experiment to bring attention to labeling needs of gluten-free products. With the help of many activists and Whole Food Market's baker Lee Tobin, that cake's soaring legacy now holds the promise of change.
"It's one thing to have a community back something at an event and then it falls off the radar and you didn't get a hold on people whoactually make a change," Forberger said. "For them (FDA officials) to show up and not just listen to us on the social
stage, or newspapers or blogs, but actually spend their time to come over and listen to us ...I think it says alot."

Gluten-free is currently the fastest growing grocery sector, and labeling regulations will bring consistency to themarket.Taylor tookownership of the issue following the recent event, and the FDA reopened the issue at a pace that even shocked issue champions. A comment period recently closed and the agency expects final regulationsduring 2012.
"With thisnewregulationin place standardizing what gluten-free means, everyone has to play by the same rules as far as testing and set some sort of equilibrium," shepard said. "When they go into effect, it will make label-reading easier for families and take a little of the stress out of shopping when you do have gluten restrictions."

Theseactivistscannowhavetheir cake and eat it too!

WENDY TAYLOR
editorial@mediaplanet.com


## DON'T MISS:

## From care to cure

When the term "celiac disease" comes up, everyone's first thought is "gluten-free diet." This association is so common that the glutenfree diet is considered to be the cure; however, this is a major misconception. While the gluten-free diet is the only current treatment for celiac disease, it is not and never will be a cure.

Celiac disease is an autoimmune disorder. Since its triggering agent (gluten) is known and the targeted tissue is accessible, researchers have an opportunity to uncover disease mechanisms and establish newavenues for prevention and treatment.
The University of Chicago Celiac Disease Center has identified several goals in its research: developing a cure, preventing devel-
opment in high-risk children, identifying better treatments and identifying diagnostic markers and treatments for gluten sensitivity.
First, a mouse model with celiac disease was developed to help demonstrate that upregulation of the inflammatory factor IL-15 (found in active celiac patients) induces loss of oral tolerance to gluten and reproduces the early stages of celiac disease.
The next generation model will likely allow researchers to test treatments to cure active celiac, and to understand the link between celiac disease and autoimmunity.
Stefano Guandalini, MD, Founder and Medical Director and Bana Jabri, MD, PhD, Director of Research at The University of Chicago Celiac Disease Center.


## Our efforts span the full spectrum of celiac disease support and research

\author{

- Expert diagnosis and treatment - Professional education programs <br> - Free screening days <br> - Gluten-free Care Packages <br> - Trailblazing research aimed ai curing celiac disease by 2026
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Jennifer Esposito finds a new life overcoming celiac disease.


Everyone's heard the clichéd demanding actress stories. When award-winning actress Jennifer Esposito arrives on set, it's usually others making demands-for her homemade baked goods.
Diagnosed with celiac disease in 2009, Esposito learned the art of gluten-free baking through necessity and began bringing her own cooking to cope with her illness. Now, with her own website and in the process of opening a gluten-free bakery, she's constantly hassled by the cast and crew of her TV series Blue Bloods.
"These are guys who are used to having coffee and cigarettes for breakfast," Esposito laughs. "They ask me once a week if I don't bring something in, 'Jennifer, where's your stuff? Bring in the cookies!

No, bring in the bagels!' It's insane. These are guys who could care less-gluten-free, not gluten-free."

## Taking it to the kitchen

Esposito happily shares the flavors and health benefits of her gluten-free food. After years of misdiagnosis, painful symptoms, fatigue and hair loss so extreme it forced her to wear a wig when filming the series Samantha Who?, she was thrilled food choices could return her health.
Following months of online searches and physical gluten-withdrawals,she experimented and recreated her aunt's carrot cake during a strong craving. She not only came out with a great cake, but a passion for recreating food-something she now does for others on her website jennifersway.org. Readers leave a wish list of missed foods, and Esposito takes to her kitchen, creat-
ing gluten-free alternatives.
"I realized so much of my life has been wonderful memories of food," she said. "What Do You Miss is something I feel like I have to do for people. I understand watching someone eat your favorite food, and you can't haveit."
She wants the website and bakeryto give back abit of hope to those who find themselves learning to live without gluten.
"Life is not over, it is changing," Esposito offered."Your self that you knew is not that way anymore. You were probably not well and doing a lot of adjusting to figure out how to live that way. Well, let that go, because now it's a completely new journey."

And, it's a journey Esposito is determined to make satisfying.

WENDY TAYLOR
editoria@mediaplanet.com
$\square$
Gluten-free itinerary

## While holiday travel

 doesn't rank high on any wish list, traveling with gluten-intolerance increases stress at every unknown rest stop and food court."I used to pride myself on not carrying any snacks," said Cynthia Kupper, RD, CD, the executive director of the Gluten Intolerance Group. "More and more, I've started carrying granola or trail mix.I think it's important to be prepared."
While those emergency supplies are key, experts also agree knowing the right questions to ask is crucial. KimKoeller, president of GlutenFree Passport, notes that wait staff can answer questions about ingredients or dedicated fryers easier than determining if an item is gluten-free.

## High-tech help

Kupper points to the number of standardized preparation practices among chain restaurants as security for those weighing options. Those who are gluten intolerant also benefit from websites, including Koeller's GlutenFree Passport, that offer mobile apps identifying safe dining options. These lists keep options handywhen on the road.

## Tis' the season

Special conditions arise during the holidays with hotel buffets and fixed menus. In order to avoid sickness following that Christmas brunch or New Year's Eve dinner, experts recommend calling ahead to see if an offmenu meal can be arranged.

## WENDY TAYLOR

editorial@mediaplanet.com

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... one of the best ... store bought soups we tosted." - Better Homes and Gardens
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