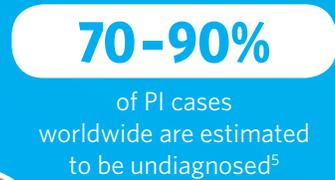
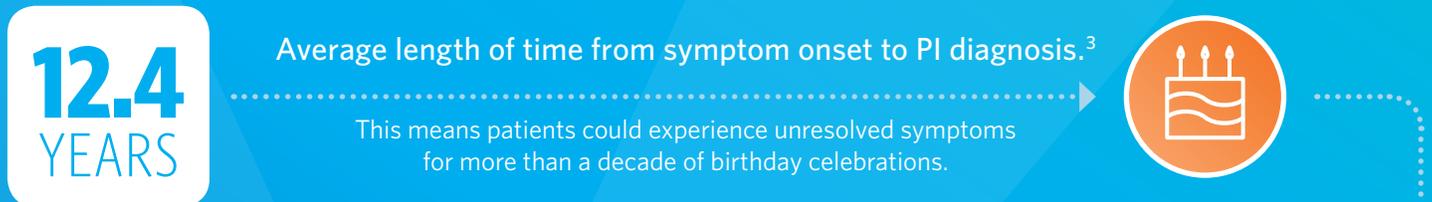


PRIMARY IMMUNODEFICIENCY: An Underdiagnosed Condition with a Significant Impact

Primary immunodeficiency (PI) is the name for a group of nearly 300 diseases wherein part of the person's immune system is missing or not functioning correctly.^{1,2} People with PI may be more likely to get infections, take longer to recover from infections and have recurring infections.² However, many people with PI can lead active, fulfilling lives by managing their condition with proper treatment.

A long journey to diagnosis



An undiagnosed patient costs the healthcare system an average of **\$108,462** more annually than a patient diagnosed with PI¹

Physicians sometimes treat the infections while missing the underlying cause, leaving patients vulnerable to vital organ damage, physical disability, or even death.⁶ According to the Jeffrey Modell Foundation, **three of the top warning signs** of PI include:⁷



Visit immunedisease.com to learn more about PI and available resources to help manage the disease.

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1. Bousfiha A, Jeddane I, Al-Herz W, et al. The 2015 IUIS phenotypic classification for primary immunodeficiencies. *J Clin Immunol*. 2015; 35(8): 727-738. 2. Blaese RM, Bonilla FA, Stiehm ER, Younger ME, eds. *Patient & Family Handbook for Primary Immunodeficiency Diseases*, 5th ed. Towson, MD: Immune Deficiency Foundation; 2013. 3. Immune Deficiency Foundation. *Primary immune deficiency diseases in America: 2007. The third national survey of patients*. Published May 2009. 4. Bousfiha A et al. Primary immunodeficiency diseases worldwide: more common than generally thought. *J Clin Immunol*. 2013 Jan;33(1):1-7. 5. World PI Week, "World Primary Immunodeficiency Week: Let's talk about PI!" http://www.worldpiweek.org/sites/default/files/basic_page_documents/World%20PI%20Week%20Official%20PR%202011.pdf. Accessed November 2, 2015. 6. World PI Week, "About PI." <http://www.worldpiweek.org/faqs/about-pi>. Accessed October 20, 2015. 7. Jeffrey Modell Foundation, "10 Warning Signs of Primary Immunodeficiency" <http://www.info4pi.org/library/educational-materials/10-warning-signs>. Accessed November 2, 2015.