

Information

FOR PATIENTS AND CARERS



Primary Immunodeficiencies (Inborn Errors of Immunity) - Fast Facts

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- 1. Inborn errors of immunity (IEI) include primary immune deficiencies (PID) and are a group of more than 550 potentially serious chronic medical conditions, that can lead to frequent or severe infections, swellings, and autoimmune problems.
- 2. IEI/PID disorders can be caused by defects in the genes that control the immune system and may be inherited. IEI/PID disorders are different to AIDS (acquired immunodeficiency syndrome), that is due to human immunodeficiency virus (HIV).
- 3. Symptoms of IEI/PID disorders often appear in childhood, but some can first occur in adults. Research and advances in therapies have resulted in improved health and a longer life for people with IEI/PID disorders. Early diagnosis of IEI/PID disorders is important, since delayed treatment can result in complications, which may be life threatening.
- 4. IEI/PID disorders can be grouped according to what part of the immune system is affected:
 - Antibody deficiencies such as common variable immunodeficiency (CVID) and X-linked agammaglobulinaemia.
 - Combined immunodeficiencies such as severe combined immunodeficiency (SCID).
 - Phagocytic cell deficiencies such as chronic granulomatous disease (CGD).
 - Immune dysregulation and autoinflammatory disorders.
 - Complement deficiencies such as hereditary angioedema (HAE).
- 5. Immunoglobulin replacement therapy (IRT) is one of the most effective and commonly used treatments for some IEI/PID disorders. IRT can be given using intravenous immunoglobulin (IVIG) injected into the veins or given at home using subcutaneous immunoglobulin (SCIG) that is injected under the skin.
- Other treatment options for IEI/PID disorders include antibiotics, immunomodulation, haematopoeitic stem cell transplants (HSCT) and HAE treatments.

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For more information go to www.allergy.org.au/patients/immunodeficiencies or scan the QR code

