

High Blood Pressure Crisis

Blood pressure is classified by two measurements, the systolic (first number) and diastolic (second number) pressures. For... d5e099716f

Hypertensive emergency Blood pressure is often above 200/120 mmHg, however there are no universally accepted cutoff values. It is different from a hypertensive urgency by this additional evidence for impending irreversible hypertension-mediated organ damage (HMOD). A hypertensive emergency is very high blood pressure with potentially life-threatening symptoms and signs of acute damage to one or more organ systems A hypertensive emergency is very high blood pressure with potentially life-threatening symptoms and signs of acute damage to one or more organ systems (especially brain, eyes, heart, aorta, or kidneys) d5e099716f

When someone with adrenal insufficiency exhibits symptoms of an adrenal crisis, treatment must begin immediately. To diagnose an adrenal crisis, serum cortisol, aldosterone, ACTH, renin, and dehydroepiandrosterone sulfate are measured. A low cortisol level of less than 3 mg/dL, measured in the early morning or during a stressful period, suggests a diagnosis of adrenal insufficiency. A tailored prescription... d5e099716f On January 5, 2016, Michigan Governor Rick Snyder declared a state of emergency in Genesee County, of which Flint is the major population center. Shortly thereafter, President Barack Obama declared a federal state of emergency, authorizing... d5e099716f Epoetin theta is indicated for the treatment of symptomatic anemia in adults. d5e099716f

Subprime mortgage crisis S. It led to a severe economic recession, with millions becoming unemployed and many businesses going bankrupt. The U. government intervened with a series of measures to stabilize the financial system, including the Troubled Asset Relief Program (TARP) and the American Recovery and Reinvestment Act of 2009 (ARRA). While elements of the crisis first became more visible during 2007, several The American subprime mortgage crisis was a multinational financial crisis that occurred between 2007 and 2010, contributing to the 2008 financial crisis. of these financial instruments were made up of high-risk subprime mortgages d5e099716f

While elements of the crisis first became more visible during 2007... d5e099716f It acts as a short acting erythropoiesis-stimulating agent (ESA) for the treatment of anemia associated with chronic kidney disease and chemotherapy-induced anemia in patients with cancer. d5e099716f

Hypertension as high blood pressure, is a long-term medical condition in which the blood pressure in the arteries is persistently elevated. High blood pressure usually Hypertension, also known as high blood pressure, is a long-term medical condition in which the blood pressure in the arteries is persistently elevated. High blood pressure usually does not cause symptoms itself. Hypertension is a major cause of premature death worldwide. It is, however, a major risk factor for stroke, coronary artery disease, heart failure, atrial fibrillation, peripheral arterial disease, vision loss, chronic kidney disease, and dementia d5e099716f

Blood transfusion Early transfusions used whole blood, but modern

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medical practice commonly uses only components of the blood, such as red blood cells, plasma Blood transfusion is the process of transferring blood products into a person's circulation intravenously. Whole blood has come back into use in the trauma setting. Transfusions are used for various medical conditions to replace lost components of the blood. White blood cells are transfused only in very rare circumstances, since granulocyte transfusion has limited applications. Early transfusions used whole blood, but modern medical practice commonly uses only components of the blood, such as red blood cells, plasma, platelets, and other clotting factors. of the blood d5e099716f

In April 2014, during a financial crisis, state-appointed emergency manager Darnell Earley changed Flint's water source from the Detroit Water and Sewerage Department (sourced from Lake Huron and the Detroit River) to the Flint River. Residents complained about the taste, smell, and appearance of the water. Officials failed to apply corrosion inhibitors to the water, which resulted in lead from aging pipes leaching into the water supply, exposing around 100,000 residents to elevated lead levels. A pair of scientific studies confirmed that lead contamination was present in the water supply. The city switched back to the Detroit water system on October 16, 2015. It later signed a 30-year contract with the new Great Lakes Water Authority (GLWA) on November 22, 2017. d5e099716f A "hypertensive emergency" is diagnosed when there is evidence of direct damage to one or more organs as a result of severely elevated blood pressure greater than 180 mmHg systolic or 120 mmHg diastolic. This may include hypertensive encephalopathy, caused by brain swelling and dysfunction, and characterized by headaches and an altered level of consciousness (confusion or drowsiness). Retinal papilledema and/or fundal bleeds and exudates... d5e099716f

Blood donation regarding the demand for blood, increased confidence in oneself, helping a personal friend or relative, and social pressure. A donation may be of whole blood, or of specific components directly (apheresis). Blood banks often participate in the collection process as well as the procedures that follow it. Despite the many reasons A blood donation occurs when a person voluntarily has blood drawn and used for transfusions and/or made into blood products and biopharmaceutical medications by a process called fractionation (separation of whole blood components) d5e099716f

Adrenal crisis The physiological mechanisms underlying an adrenal crisis involve the loss of endogenous glucocorticoids' typical inhibitory effect on inflammatory cytokines. Hypotension and hypovolemic shock are the main symptoms of an adrenal crisis. The biggest trigger for adrenal crisis is gastrointestinal Adrenal crisis, also known as Addisonian crisis or acute adrenal insufficiency, is a life-threatening complication of adrenal insufficiency. The biggest trigger for adrenal crisis is gastrointestinal illness. Laboratory testing may detect low sodium, high potassium, high lymphocyte count, high eosinophils, low blood sugar, and rarely high calcium. Those with primary adrenal insufficiency are at a higher risk for an adrenal crisis. sodium, high potassium, high lymphocyte count, high eosinophils, low blood sugar, and rarely high calcium. Other symptoms include weakness, anorexia, nausea, vomiting, fever, fatigue, abnormal electrolytes, confusion, and coma d5e099716f

== Medical uses == d5e099716f

Hypertensive crisis Severely elevated blood pressure (equal to or

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greater than 180 mmHg systolic or 120 mmHg diastolic) is referred to as a hypertensive crisis (sometimes termed Severely elevated blood pressure (equal to or greater than 180 mmHg systolic or 120 mmHg diastolic) is referred to as a hypertensive crisis (sometimes termed malignant or accelerated hypertension), due to the high risk of complications. Other symptoms accompanying a hypertensive crisis may include visual deterioration due to retinopathy, breathlessness due to heart failure, or a general feeling of malaise due to kidney failure. People with blood pressures in this range may have no symptoms, but are more likely to report headaches (22% of cases) and dizziness than the general population

The collapse of the 2000s United States housing bubble and high interest rates led to unprecedented numbers of borrowers missing mortgage repayments and becoming delinquent. This ultimately led to mass foreclosures and the devaluation of housing-related securities. The housing bubble preceding the crisis was financed with mortgage-backed securities (MBSes) and collateralized debt obligations (CDOs), which initially offered higher interest rates (i.e., better returns) than government securities, along with attractive risk ratings from rating agencies. Despite being highly rated, most of these financial instruments were made up of high-risk subprime mortgages. In the developed world, most blood donors are unpaid volunteers who donate blood for a community supply. In some countries, established supplies are limited and donors usually give blood when family or friends need a transfusion (directed donation). Many donors donate for several reasons, such as a form of charity, general awareness regarding the demand for blood, increased confidence in oneself, helping a personal friend or relative, and social pressure. Despite the many reasons that people donate, not enough potential donors actively donate. However, this is reversed during disasters when blood donations increase, often creating an excess supply that will have to be later discarded. In countries that allow paid donation some people are paid, and in some cases there are incentives... High blood pressure is classified as primary (essential) hypertension or secondary hypertension. About 90-95% of cases are primary, defined as high blood pressure due to non-specific lifestyle and genetic factors. Lifestyle factors that increase the risk include excess salt in the diet, excess body weight, smoking, physical inactivity, and alcohol use. The remaining 5-10% of cases are categorized as secondary hypertension, defined as high blood pressure due to a clearly identifiable cause, such as chronic kidney disease, narrowing of the kidney arteries, an endocrine disorder, or the use of birth control pills. Red blood cells (RBC) contain hemoglobin and supply the cells of the body with oxygen. White blood cells are not commonly used during transfusions, but they are part of the immune system and also fight infections. Plasma is the "yellowish" liquid part of blood, which acts as a buffer and contains proteins and other important substances needed for the body's overall health. Platelets are involved in blood clotting, preventing the body from bleeding. Before these components were known, doctors believed that blood was homogeneous. Because of this scientific misunderstanding, many patients died because of incompatible blood transferred... == Signs and symptoms == Most people with a hypertensive crisis are known to have elevated blood pressure, but additional triggers may have led to a sudden rise.

Epoetin theta form in blood vessels of patients on dialysis, a blood clearance technique), headache, hypertension (high blood pressure), hypertensive crisis (sudden Epoetin theta, sold under the brand name

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Biopoin among others, is a form of the human hormone erythropoietin produced using recombinant DNA technology d5e099716f

Flint water crisis The Flint water crisis was a public health crisis from 2014 to 2019 which involved the drinking water for the city of Flint, Michigan, being contaminated The Flint water crisis was a public health crisis from 2014 to 2019 which involved the drinking water for the city of Flint, Michigan, being contaminated with lead and possibly Legionella bacteria d5e099716f

Crisis in Venezuela shortages and hyperinflation have ended, but inflation remains high. In 2019, the Institute of International Finance called it the single largest economic collapse outside of war in 45 years. It is the worst economic crisis in Venezuela's history and considered by some sources as more severe than the Great Depression in the United States, the 1985-1994 Brazilian economic crisis, or the 2008-2009 hyperinflation in Zimbabwe. It has been marked by hyperinflation, starvation, disease, crime, and mortality rates, resulting in massive emigration. It is the worst economic crisis in Venezuela's history and considered by some sources as An ongoing socioeconomic and political crisis began in Venezuela during the presidencies of Hugo Chávez, Nicolás Maduro and Delcy Rodríguez. Writers have compared aspects, such as unemployment and GDP contraction, to Bosnia and Herzegovina after the 1992-95 Bosnian War, and those in Russia, Cuba and Albania following the Revolutions of 1989. Food shortages and hyperinflation have ended, but inflation remains high d5e099716f

== Symptoms and treatment == d5e099716f In 2010, Chávez declared an "economic war" due to increasing shortages in Venezuela. The crisis intensified under the Maduro government, growing more severe as a result of low oil prices, and a drop in oil production from lack of maintenance and investment. In 2016, the opposition-led National Assembly declared... d5e099716f

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