CATEGORIES: Genetic disorders can be caused by ______ or ▶ Inherited disorders are caused by a ______ passed from _____to ____ ▶ Inherited disorders can be: **INHERITED DISORDERS:** ▶ If one parent has the ______ gene disorder, there is a _____ chance that it will be passed to each _____ Examples: ▶ An inherited ______ that causes loss of control of movements and usually starts around _____ years old **RECESSIVE DISORDERS:** parents must carry the ______ for the disorder ▶ If you have a ______ gene for a ______, u are a ______ but you can still you are a _____ it on to your children If _____ parents carry the _____ gene: chance that a child they have will have disorder chance that their child will be a _____chance that a child will not get the gene at all **EXAMPLES OF RECESSIVE DISORDERS:** ▶ Red blood cells have _____shape ▶ Causes _____ and pain, most often in African Americans _____: ▶ Causes _____, blindness, seizures, and _____ usually by age 5 Most often seen in people of eastern European Jewish descent, French Canadians, and Cajuns Causes problems in _____ and ____

Occurs mostly in people of Northern European descent

SBI 3C: INHERITED DISEASES

LINKED/SEX-LINKED DISORDERS	
Disorders caused by genes on the	
Usually abnormal gene is	
Generally seen in	:
• have 2	·
	X chromosome
have one X chron	
gene to	recessive gene
▶ If ar	nas an X-linked disorder, her mother
was a, her fathe	
▶ If you are a,	cnance a
will have the disorder and a	will be a carrier
A MADIES OF A TIMED SEA TIMED DISOBDE	35.
(AMPLES OF X-LINKED/SEX-LINKED DISORDER	: :
Most often affecting	
Death by around	
·	_ :
► Most common cause of	
 Blood lacks the Known as the " in the 	" because it appeared
DIGREES:	Male Offspring of unknown s
A type of that	
shows of	Female Aborted or stillborn offspring
11.	Mating deceased offspring
within a	Mating between
within a • Generally constructed after an	Mating between relatives or Affected individual
Generally constructed after an	Mating between relatives or Affected individual Offspring listed in birth order. Roman numberals symbolize or Propositus (male) or
Generally constructed after an has appeare	Mating between relatives or Affected individual Offspring listed in birth order. Roman numberals symbolize or Propositus (male) or
Generally constructed after an	Mating between relatives or Affected individual or Propositus (male) or propositus (female); first case in family that was identified.
Generally constructed after an has appeare	Mating between relatives or Affected individual or Offspring listed in birth order. Roman numberals symbolize generations. Arabic numbers symbolize birth order within generation. Affected individual or propositus (male) or propositus (female); first case in family that was identified.
Generally constructed after an has appeare	Mating between relatives or Affected individual Offspring listed in birth order. Roman numberals symbolize generations. Arabic numbers symbolize birth order within generation. 1 2 3 Monozygotic or Heterozygous
Generally constructed after an has appeare	Mating between relatives Offspring listed in birth order. Roman numberals symbolize generations. Arabic numbers symbolize birth order within generation. 1 2 3 Monozygotic twins Monozygotic twins Monozygotic twins
Generally constructed after an has appeare	Mating between relatives Offspring listed in birth order. Roman numberals symbolize generations. Arabic numbers symbolize birth order within generation. 1 2 3 Monozygotic twins Monozygotic twins Monozygotic twins
Generally constructed after an has appeare	Mating between relatives or Affected individual Offspring listed in birth order. Roman numberals symbolize generations. Arabic numbers symbolize birth order within generation. 1 2 3 Monozygotic Twins Dizygotic Dizygotic indicates date of dea