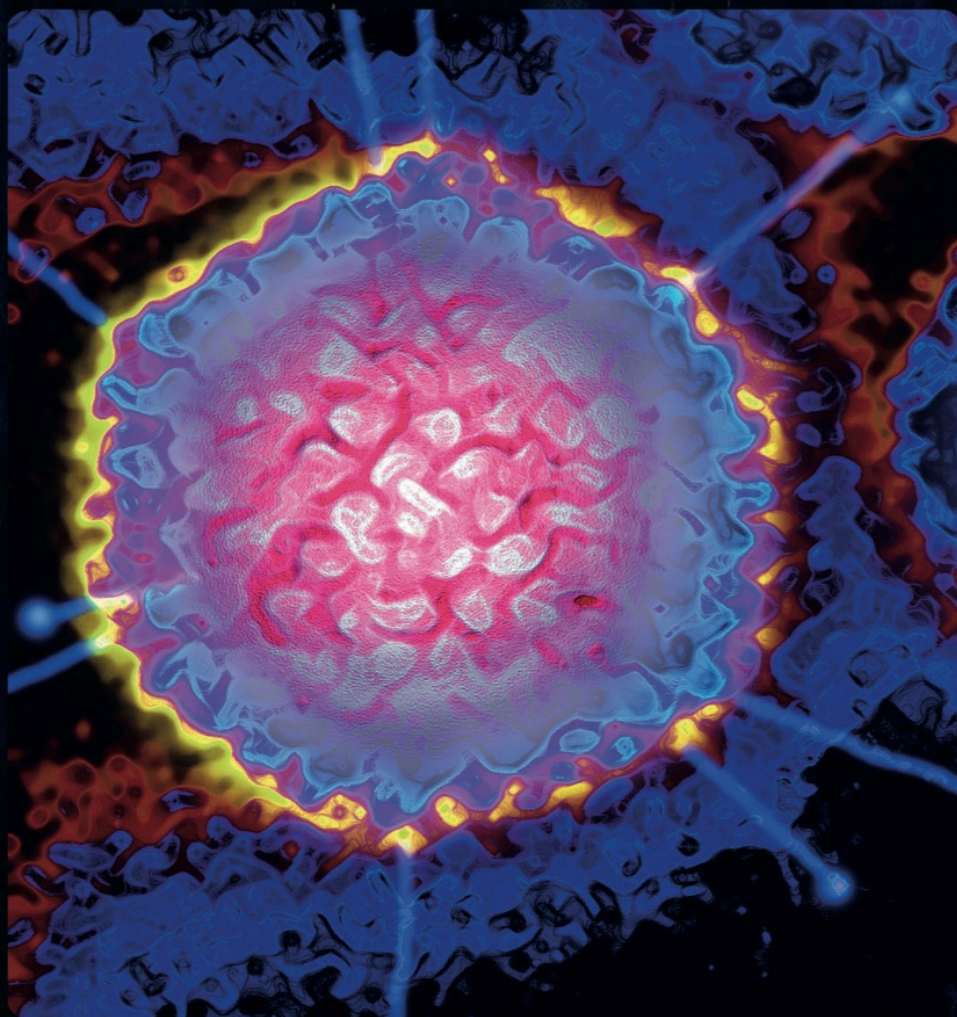


# ADENOVIRUS

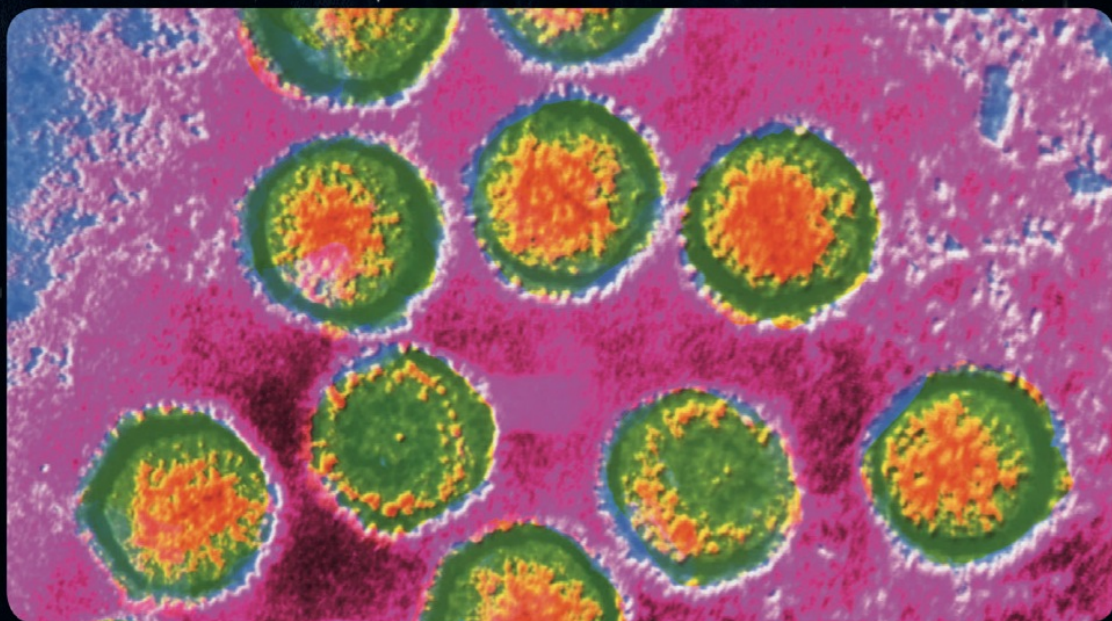
CAUSES	RESPIRATORY INFECTION
PROGNOSIS	GOOD, THOUGH RARE EMERGING STRAINS CAN BE FATAL (ADV14)
NUMBER INFECTED	RESPONSIBLE FOR 2-5% OF RESPIRATORY INFECTIONS. 18 MILLION INFECTED (GLOBAL)
CURE	NO ANTIVIRALS; VACCINE AGAINST SEROTYPES 4 AND 7
GENES	18





# EPSTEIN-BARR

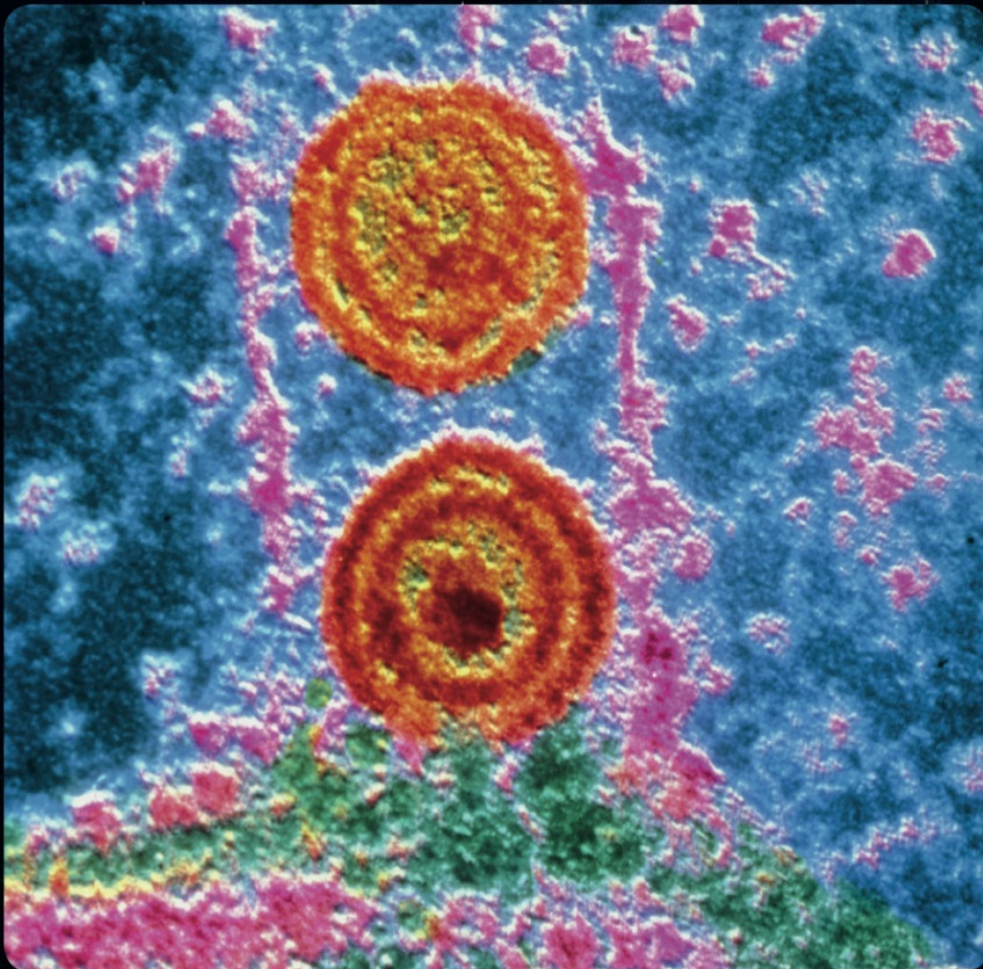
CAUSES	GLANDULAR FEVER AND B CELL LYMPHOMAS
PROGNOSIS	95% RECOVERY BUT SYMPTOMS MAY PERSIST FOR WEEKS. BECOMES LATENT BUT MAY REACTIVATE
NUMBER INFECTED	95% ADULTS INFECTED IN USA
CURE	SYMPTOMATIC TREATMENT. VALACYCLOVIR CAN BE EFFECTIVE IN REDUCING VIRAEMIA
GENES	94





## HERPES SIMPLEX VIRUS (HSV)

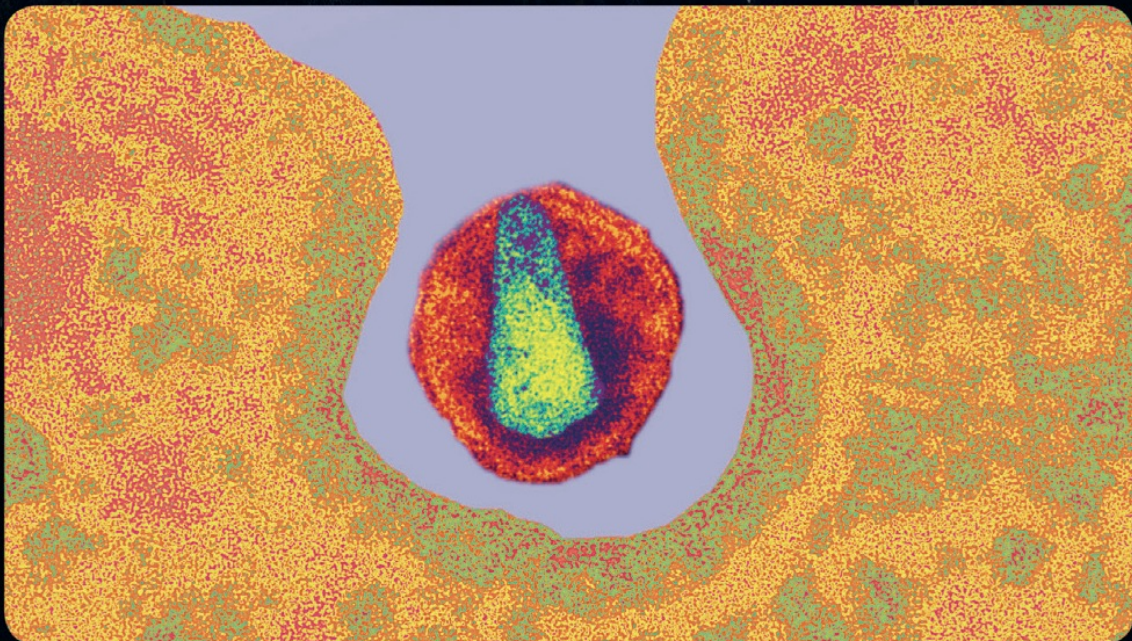
CAUSES	COLD SORES
PROGNOSIS	GOOD, THOUGH UNDERGOES LATENCY AND PERIODIC REACTIVATION
NUMBER INFECTED	65-90% PEOPLE INFECTED WORLDWIDE
CURE	ANTIVIRALS SUCH AS ACYCLOVIR ARE AVAILABLE BUT NO CURE
GENES	74





# HIV

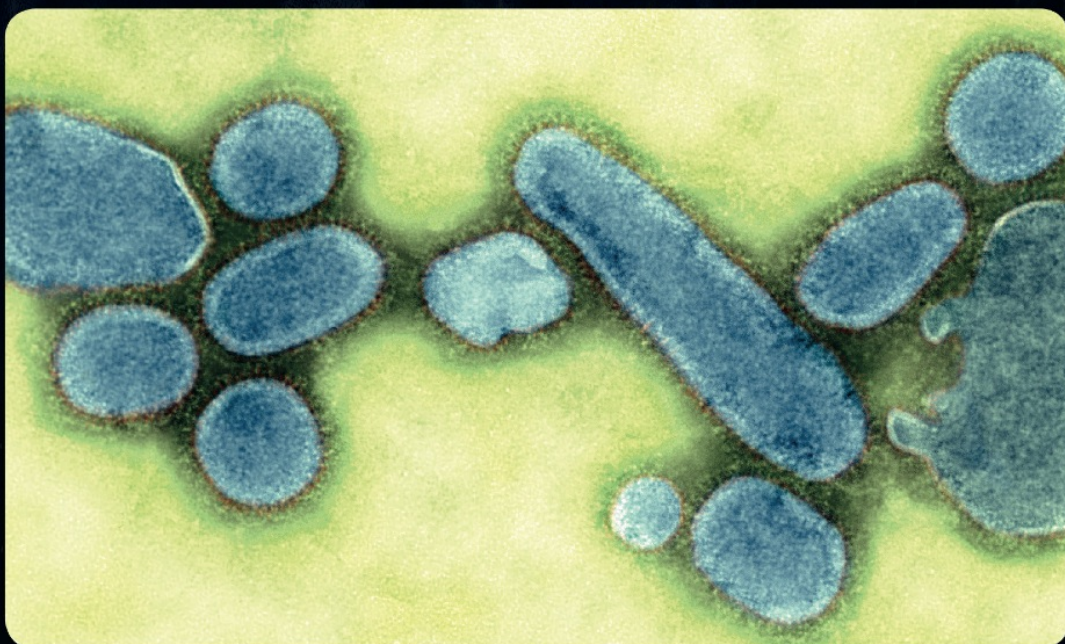
CAUSES	AIDS
PROGNOSIS	FATAL WITHOUT TREATMENT BUT GOOD IF DETECTED EARLY AND CONTINUOUSLY MEDICATED
NUMBER INFECTED	40 MILLION
CURE	HIGHLY ACTIVE ANTIRETROVIRAL THERAPY (HAART) REDUCES VIRUS REPLICATION TO BELOW DETECTABLE LIMIT
GENES	10





# INFLUENZA A

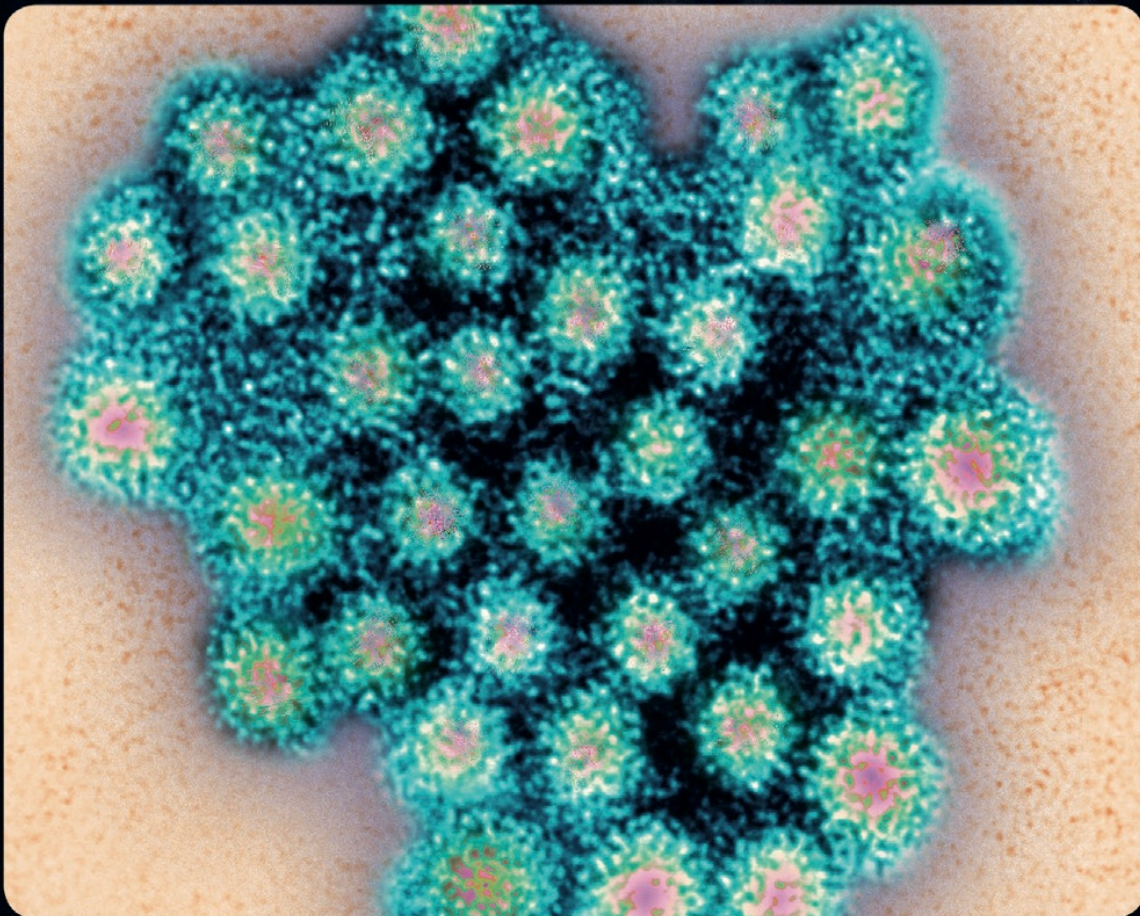
CAUSES	FLU
PROGNOSIS	GOOD BUT CAN BE FATAL IN SICK/ ELDERLY OR DURING NEW STRAIN PANDEMICS
NUMBER INFECTED	700 MILLION INFECTED (GLOBAL). UP TO 500,000 DEATHS/YR (GLOBAL)
CURE	VACCINES AVAILABLE BUT DO NOT PROTECT AGAINST ALL STRAINS  NEURAMINIDASE OR M <sub>2</sub> INHIBITORS USED FOR TREATMENT BUT WITH LIMITED EFFECT
GENES	8





# NOROVIRUS

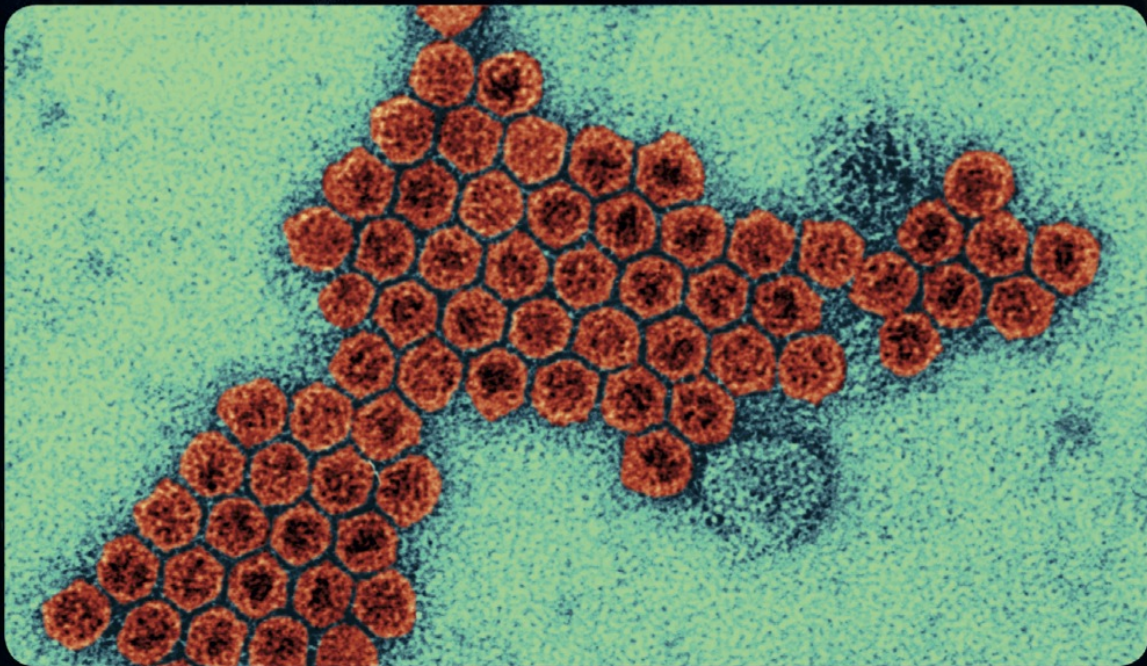
CAUSES	WINTER VOMITING BUG
PROGNOSIS	GOOD, THOUGH RISK OF DEHYDRATION
NUMBER INFECTED	3 MILLION INFECTED/YR (UK) 300 DEATHS/YR (US)
CURE	CURRENTLY NO VACCINE
GENES	8





# POLIO VIRUS

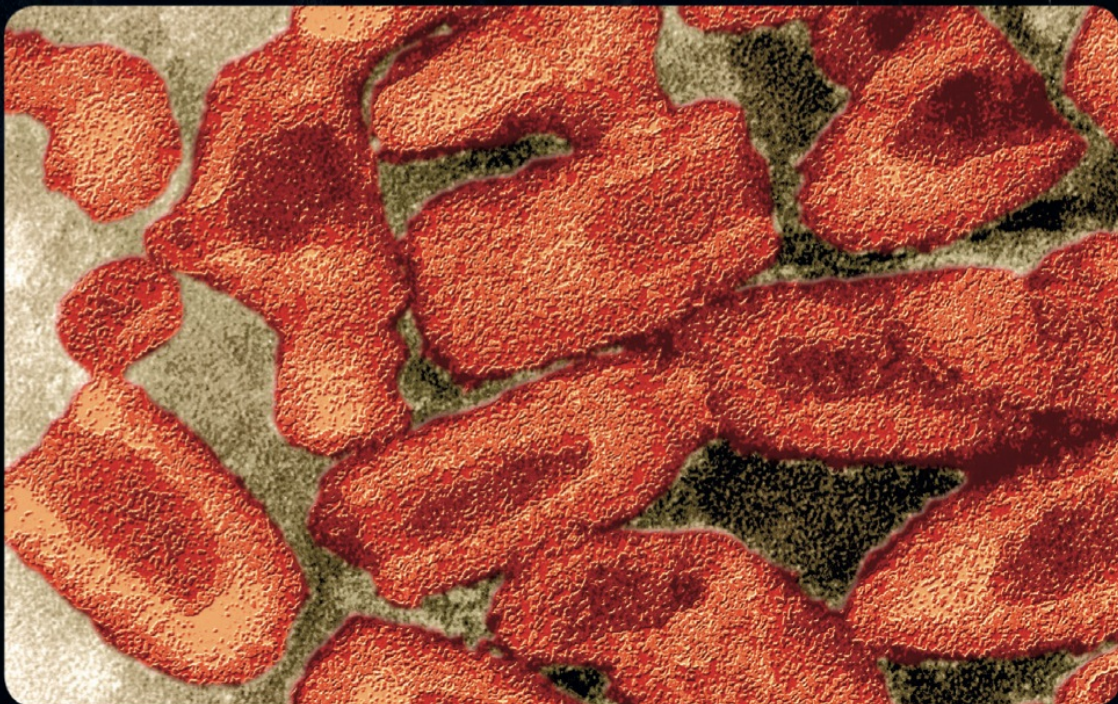
CAUSES	POLIOMYELITIS
PROGNOSIS	3% OF INFECTIONS RESULT IN NERVE DAMAGE WITH VARYING DEGREES OF PARALYSIS
NUMBER INFECTED	350,000/YR IN 1988. ~1,000/YR AFTER 2000 (GLOBAL)
CURE	ALMOST ERADICATED. VACCINE BUT NO ANTIVIRALS
GENES	11





# RABIES

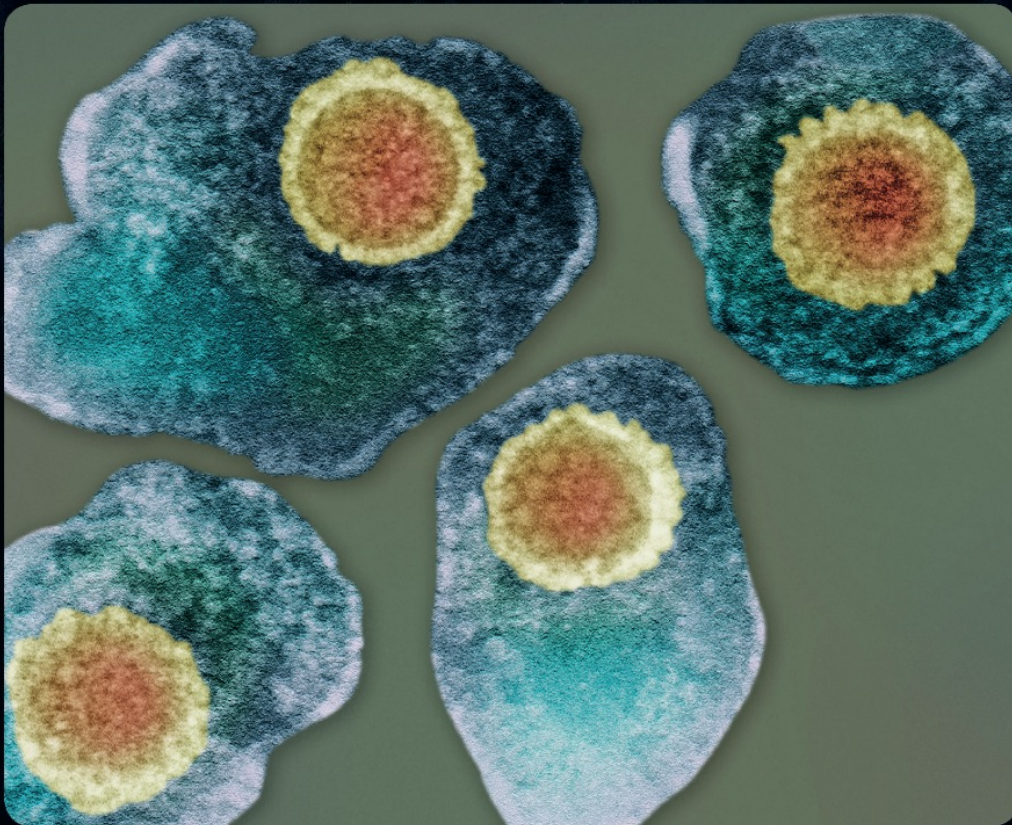
CAUSES	ACUTE ENCEPHALITIS (RABIES)
PROGNOSIS	DEADLY
NUMBER INFECTED	55,000 DEATHS/YR (GLOBAL)
CURE	VACCINE AVAILABLE BUT MUST BE REPEATED EVERY 3-5 YEARS  POST-INFECTION TREATMENT WITH ANTIBODIES CAN BE SUCCESSFUL IF GIVEN WITHIN FIRST WEEK
GENES	5





# VARICELLA ZOSTER VIRUS

CAUSES	CHICKEN-POX, SHINGLES
PROGNOSIS	RARELY FATAL BUT CAN CAUSE SHINGLES AND NEURALGIA IN ADULTS
NUMBER INFECTED	100 MILLION (GLOBAL)
CURE	SYMPTOMATIC TREATMENT ONLY. VACCINE AVAILABLE BUT DOES NOT PROVIDE LIFE-LONG PROTECTION
GENES	73





# VARIOLA VIRUS

CAUSES	SMALLPOX
PROGNOSIS	DEADLY; 35% MORTALITY
NUMBER INFECTED	300-500 MILLION DEATHS IN 20TH CENTURY
CURE	ERADICATED IN 1979 AFTER WORLDWIDE VACCINATION PROGRAMME
GENES	197

