FOCUSING THE FIGHT ON DIARRHEAL DISEASES: New Findings on an Age-Old Killer

Diarrheal diseases are a global killer.

DIARRHEAL DISEASES ARE THE SECOND LEADING CAUSE OF CHILDHOOD MORTALITY, KILLING

800,000 CHIL

EACH YEAR. THAT'S MORE THAN AIDS AND MALARIA COMBINED.



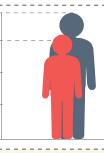
Fortunately, GEMS provides critical new data...

THE GLOBAL ENTERIC MULTICENTER STUDY (GEMS) IS THE LARGEST AND MOST IN-DEPTH STUDY ON DIARRHEAL DISEASES TO DATE. ACROSS SEVEN STUDY SITES IN ASIA AND AFRICA, GEMS FOUND THAT:

APPROXIMATELY 11N 5 CHILDREN

UNDER THE AGE OF TWO SUFFER FROM AN EPISODE OF MODERATE TO SEVERE DIARRHEA (MSD) EACH YEAR.

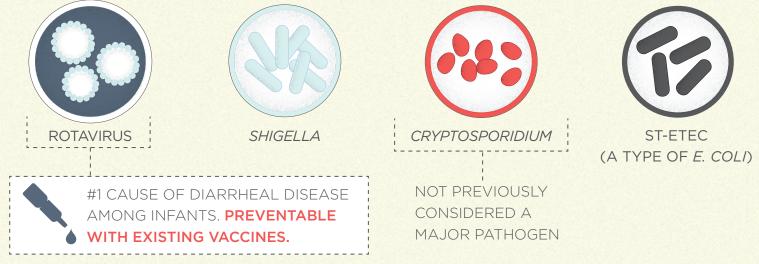
8.5 TIMES THESE CHILDREN ARE TO DIE WITHIN TWO MONTHS OF HAVING DIARRHEAL DISEASE, USUALLY AFTER THEY LEAVE THE HOSPITAL.

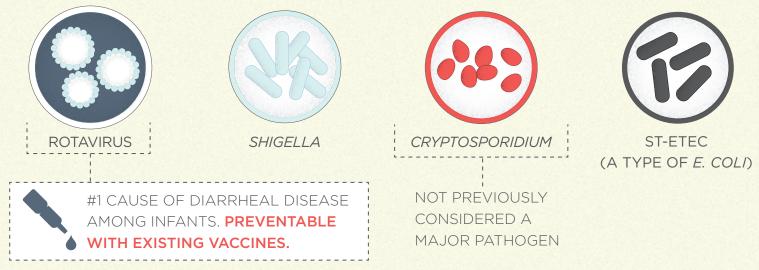


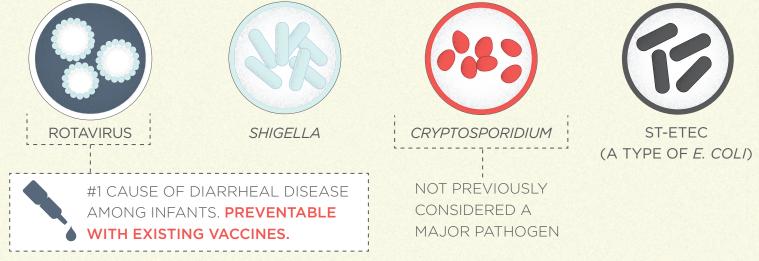
IF THE CHILD SURVIVES, HIS/HER **GROWTH IS LIKELY TO BE STUNTED** COMPARED TO PEERS OVER THE SAME TWO-MONTH PERIOD.

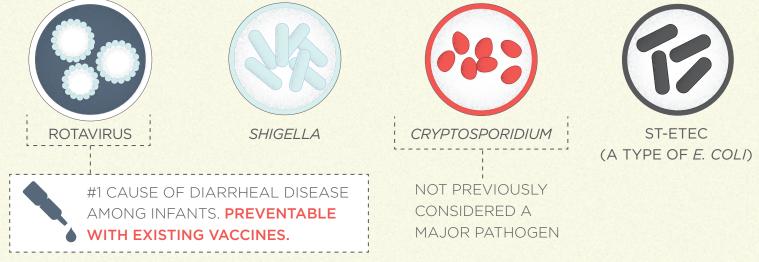
THF GOOD NFWS

IS THAT DESPITE NUMEROUS POSSIBLE CAUSES, GEMS FOUND THAT JUST FOUR PATHOGENS CAUSE THE MAJORITY OF MSD CASES, AND THE LEADING CAUSE IS VACCINE PREVENTABLE:









...and identifies opportunities to act.

GEMS FINDINGS SUGGEST CLEAR OPPORTUNITIES FOR REDUCING THE GLOBAL BURDEN OF **DIARRHEAL DISEASES:**



EXPANDING ACCESS TO EFFECTIVE, EXISTING TOOLS - PARTICULARLY **ROTAVIRUS VACCINES** - CAN SAVE LIVES NOW. OTHER IMPORTANT INTERVENTIONS INCLUDE ORAL REHYDRATION SOLUTIONS, ZINC SUPPLEMENTS, CLEAN WATER AND SANITATION.

DEVOTING ADDITIONAL RESEARCH TO DEVELOPING **NEW TOOLS** AND TARGETED INTERVENTIONS AGAINST LEADING PATHOGENS, PARTICULARLY CRYPTOSPORIDIUM, CAN SAVE EVEN MORE LIVES IN THE FUTURE.

PROVIDING FOLLOW-UP CARE AFTER CHILDREN LEAVE THE HOSPITAL CAN HELP PREVENT GROWTH DELAYS AND DEATH.

