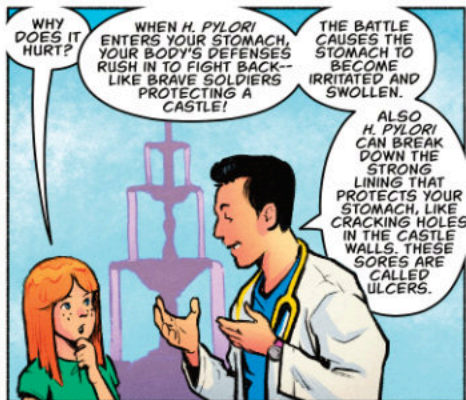
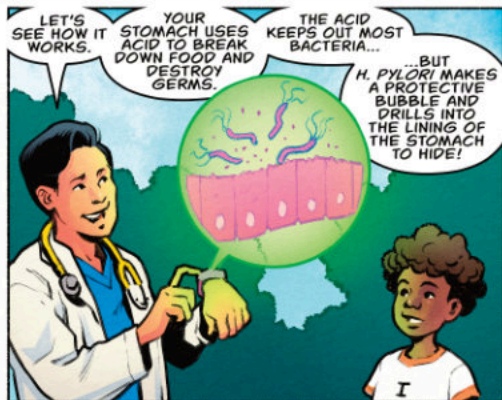
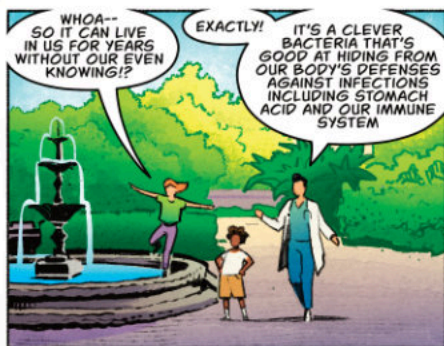
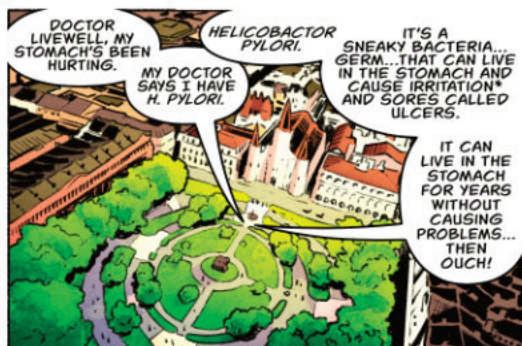


LIVWELL COMICS PRESENTS:

# DOCTOR LIVWELL

## BELLY BATTLE: THE H. PYLORI INVASION!



\*WHEN DOCTORS REFER TO IRRITATION, THEY OFTEN USE THE TERM INFLAMMATION, WHICH MEANS A REVVED UP IMMUNE SYSTEM.

INSIDE THE P.O.O.P.

STRAP IN!  
HIT THAT BUTTON,  
AND WE WILL BE  
OFF TO THE  
STOMACH!



WHOOAA!!

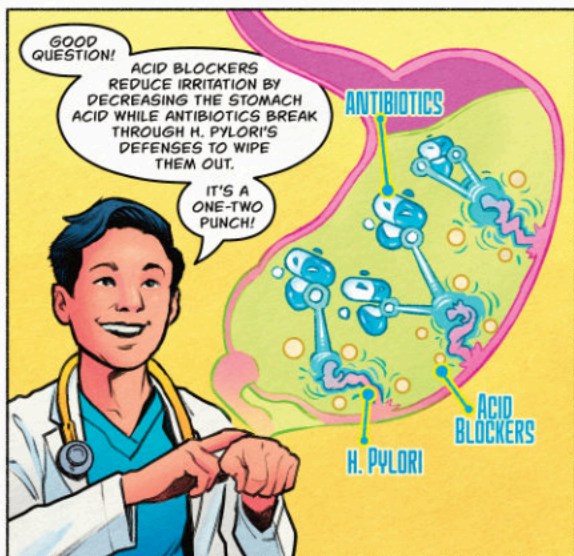
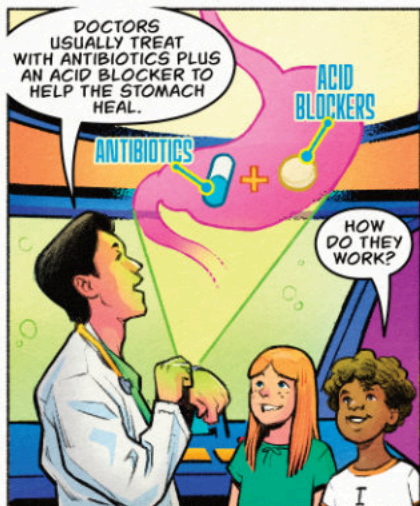
WOW--ARE  
WE IN THE  
STOMACH--IS  
THAT STOMACH  
ACID?!

YUP! AND  
OVER THERE,  
SEE THOSE  
SPIRAL SHAPED  
INVADERS?

THAT'S  
H. PYLORI.

THEY BURROW  
INTO THE STOMACH  
AND USE A CHEMICAL  
CALLED UREASE TO  
CREATE A PROTECTIVE  
BUBBLE AND SURVIVE  
THE STOMACH  
ACID!

THE IMMUNE  
SYSTEM WORKS HARD  
TO FIGHT H. PYLORI, BUT  
IT CAN BE TOUGH  
TO GET RID OF.





IS THERE ANYTHING ELSE WE CAN DO TO HELP??

YEP!

WASH YOUR HANDS REGULARLY AND SEE YOUR DOCTOR IF THE STOMACH PAIN DOESN'T GO AWAY.



I'M GOING TO WORK WITH MY DOCTOR TO GET RID OF MY H. PYLORI INFECTION AND MAKE SURE IT DOESN'T COME BACK!

THAT'S THE ATTITUDE!

YEAH!!!

IF ONLY WE KNEW HOW TO TREAT H. PYLORI BACK WHEN I WAS AROUND!

OTZI THE ICEMAN

#### UNRAVEL THE H. PYLORI MYSTERY!

- **H. PYLORI HAS BEEN AROUND FOR AGES** -- IT'S EVEN BEEN FOUND IN ANCIENT MUMMIES LIKE OTZI, THE ICEMAN!
- **A LARGE PART OF THE WORLD'S POPULATION HAS H. PYLORI**, BUT MANY PEOPLE DON'T SHOW SYMPTOMS.
- **SYMPTOMS OF H. PYLORI CAN INCLUDE** STOMACH ACHEs OR BURNING, UPSET STOMACH, LOSS OF APPETITE, FREQUENT BURPING, VOMITING, BLOATING, AND UNEXPLAINED WEIGHT LOSS.
- **DOCTORS CAN USE** AN UPPER ENDOSCOPY TO CHECK THE STOMACH FOR H. PYLORI.
- **WHEN TREATMENT IS NEEDED**, H. PYLORI IS TREATED WITH TYPICALLY, TWO (OR MORE) ANTIBIOTICS TO KILL THE BACTERIA AND A PROTON PUMP INHIBITOR (PPI) TO REDUCE THE ACID IN THE STOMACH.
- **ALWAYS FOLLOW UP AFTER TREATMENT** TO MAKE SURE THE H. PYLORI ARE COMPLETELY GONE.
- **STOMACH INFECTIONS AREN'T JUST FOUND IN HUMANS**. BACTERIA RELATED TO H. PYLORI CAN ALSO BE FOUND IN CATS, DOGS, AND CATTLE. ON RARE OCCASIONS, HUMANS CAN EVEN BE INFECTED BY THE STOMACH BACTERIA THAT INFECTS CATS.