Michael Cosimini

PEARLS AND PITFALLS FROM DEVELOPING A SERIOUS TABLETOP GAME



@MichaelCosimini

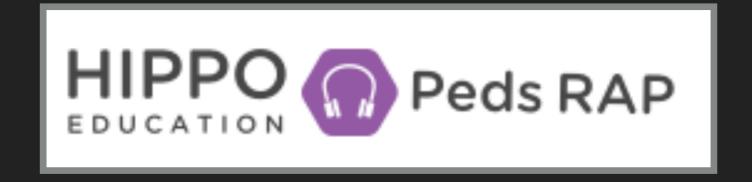


@EmpiricGame



@EmpiricGame

DISCLOSURES





.... and I have not yet played all the games

THE SETTINGS

- Small group (2-8) teaching on wards
- 1:1 clinic

MEDICAL STUDENTS: SAVVY CONSUMERS OF EDUCATION

- Average \$739 spent on educational resources
- Average 4.4 online study tools for USMLE STEP 1

RESIDENTS









OTITIS MEDIA

One-year-old with fever of 39.5° otalgia, and otoscopy consistent with unitateral acute otitis media. No recent antibiotics.

CLOSTRIDIOIDES DIFFICILE

=00000 Eleven-year-old recently treated with antibiotics with antibiotics presenting with Clostridioides colitis and mild symptoms.

ROCKY MOUNTAIN SPOTTED FEVER

-----Seven-year-old with fever, headache, and fever, headache, and acraf rash with palm and sole involvement after travel to Missouri.
CBC shows thrombocytopenia.
Treatment is started while awaiting serology.

DOG BITE -00

Fifteen-year-old with dog bite. Up to date on tetanus.



105A 2014





developed primary varicella four days prior to delivery.

HO







- Online vector editing and photoshop
- Print on demand
- Feedback on PnP/PDF
- People do what they do
- Design for human animal
- Make it smaller and simpler
- Game does not stand alone
- Social Media
- Video!

- Mailing people copies
- Google forms
- Iteration on printed copies
- QR codes

VISUAL DESIGN











View

Sample

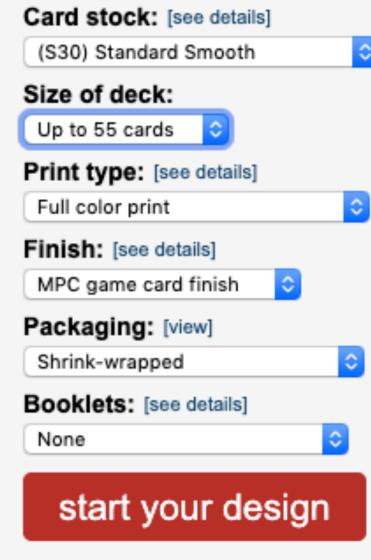
Sample

close-up

Custom Game Cards (63 x 88mm)

See how we're going more environmentally friendly »

| Quantity | Price/deck | | | |
|---|----------------------|--|--|--|
| No set-up charge | | | | |
| 1-5 | \$13.90 | | | |
| 6-29 | \$11.60 | | | |
| 30-49 | \$9.55 | | | |
| 50-99 | \$7.95 | | | |
| 100-249 | \$6.35 | | | |
| 250-499 | \$4.90 | | | |
| 500-999 | \$3.60 | | | |
| 1000-2499 | \$2.70 | | | |
| 2500-4999 | \$2.00 | | | |
| 5000-7499 | \$1.60 | | | |
| 7500-9999 | \$1.40 | | | |
| 10000-12499 | \$1.25 | | | |
| 12500-14999 | \$1.10 | | | |
| 15000+ | \$0.99 | | | |
| Need 2500+ decks with different designs or a specific customization? | Contact us for quote | | | |
| Applies to duplicate decks See delivery options » | | | | |



[No time or would like our help?]

Choose another card size



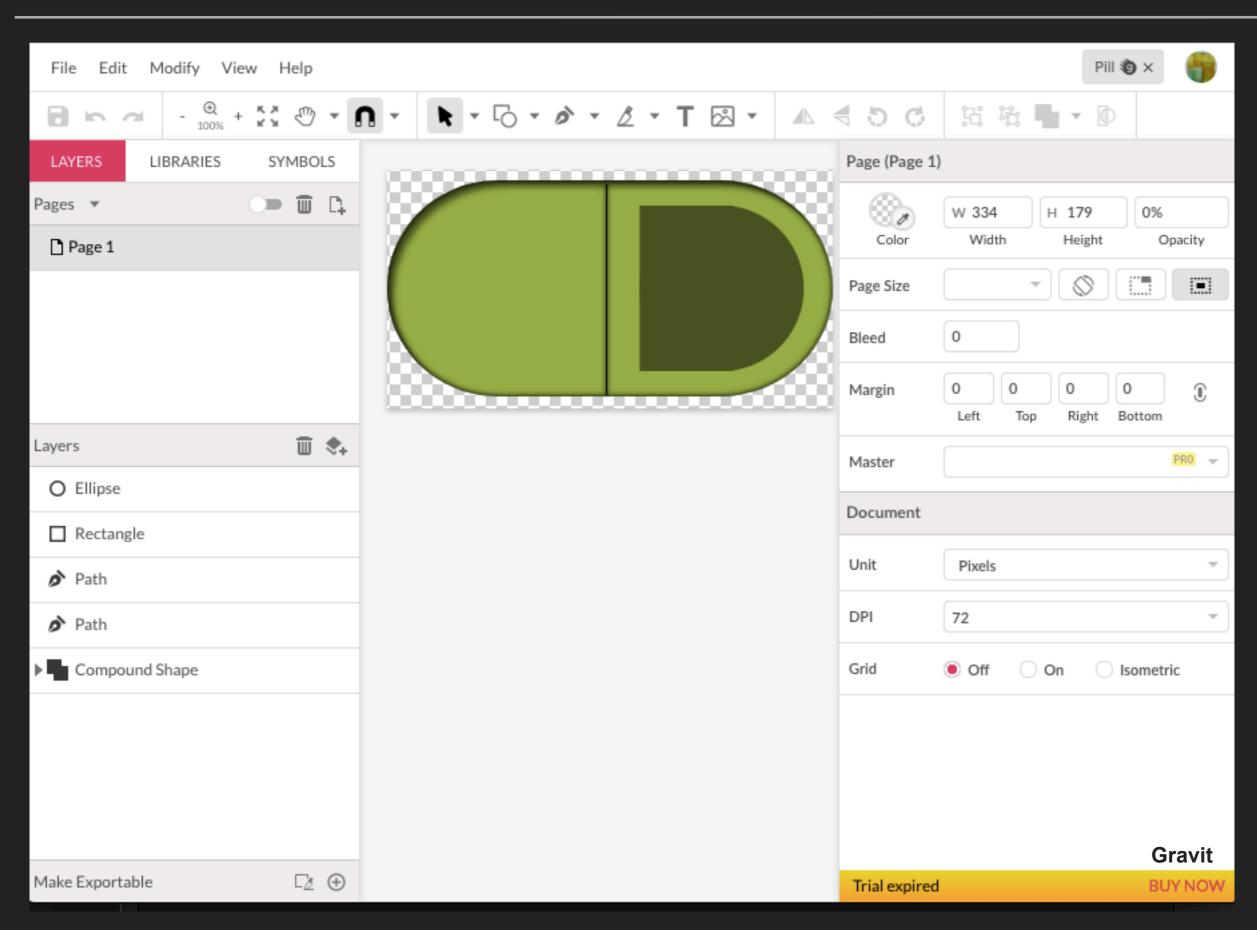
\$20 AND THE SAME SOFTWARE AS THIS **P**PRESENTATION

MINIMUM VIABLE



ONLINE IMAGE EDITORS





CARDS IN HAND? IMPORTANT INFO IN ONE CORNER OR EDGE



Card at Work

DESIGNING CARDS

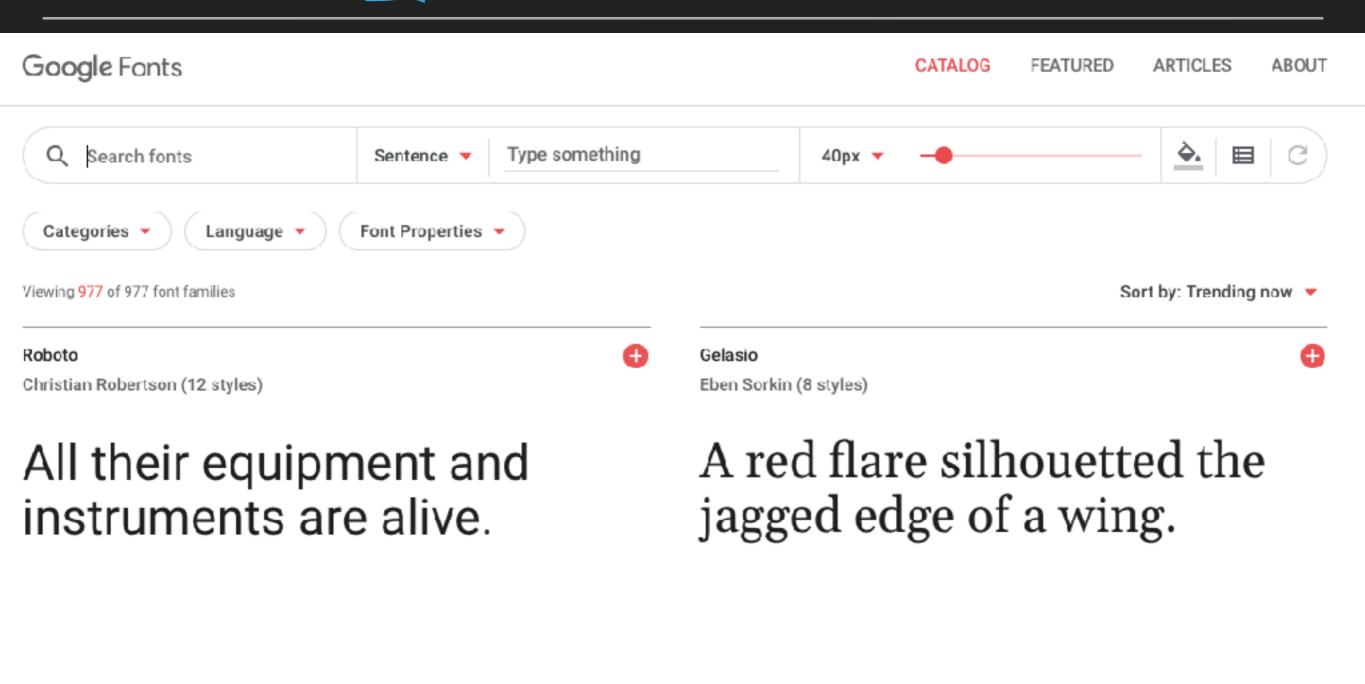
FOR







GOOGLE FONTS



Open Sans

Steve Matteson (10 styles)

I WATCHED THE STORM, SO BEAUTIFUL YET TERRIFIC.

Bangers

Vernon Adams (1 style)

Almost before we knew it, we had left the ground.





57 Feedback on card design?





Thanks for the card design feedback here is the new printing





13-year-old with sickle cell disease admitted for vaso-occlusive crisis suddenly develops fever, shortness of breath, and is found to have a new focal infiltrate on chest x-ray.

Healthy three-year-old with fever and diarrhea is well appearing. She has a 3" turtle at home. Stool culture is positive for non-typhoidal Salmonella.

Four-year-old with severe abdominal pain initially concerning for appendicitis. Progressive fever and diarrhea lead to admission for dehydration. Stool testing positive for *C. jejuni.*

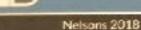
Six-year-old with acute onset of tender, red, enlarged left anterior cervical lymph node.



JAMA 2014

Redbook 2018

Redbook 2018

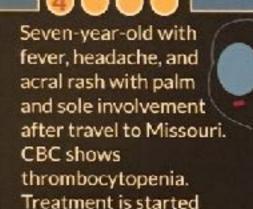


LYME



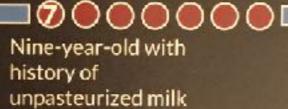
Twelve-year old with growing circular red rash appearing one week after tick removal at same site while camping in Pennsylvania.

ROCKY MOUNTAIN SPOTTED FEVER



while awaiting serology.

BRUCELLOSIS



consumption presenting with arthritis and intermittent fevers, found to have serology consistent with Brucella infection.

N MENINGITIDIS EXPOSURE



Vaccinated
nineteen-year-old
whose roommate
was diagnosed with
N. meningitidis
meningitis.





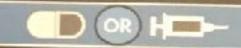
CDC 2017



CDC 2017



AAP 2014



Redbook 2018

ANTHRAX EXPOSURE



Twelve-year-old boy with concern for exposure to aerosolized anthrax

DOG BITE

20

Fifteen-year-old with dog bite. Up to date on tetanus.

SECONDARY SYPHILIS

Febrile sexually active twenty-year-old, initially diagnosed with

PLAGUE



Thirteen-year-old with acute onset of 40° fever and left inguinal lymph node

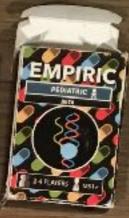


ITERATION ON PRINTED COPIES



























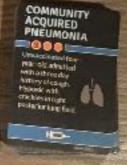






















FEEDBACK/ PLAY-TESTING

MAILING OUT COPIES FOR FEEDBACK







13mo

Questions

Responses

1

Empiric

All questions optional

Comments about gameplay

Long answer text

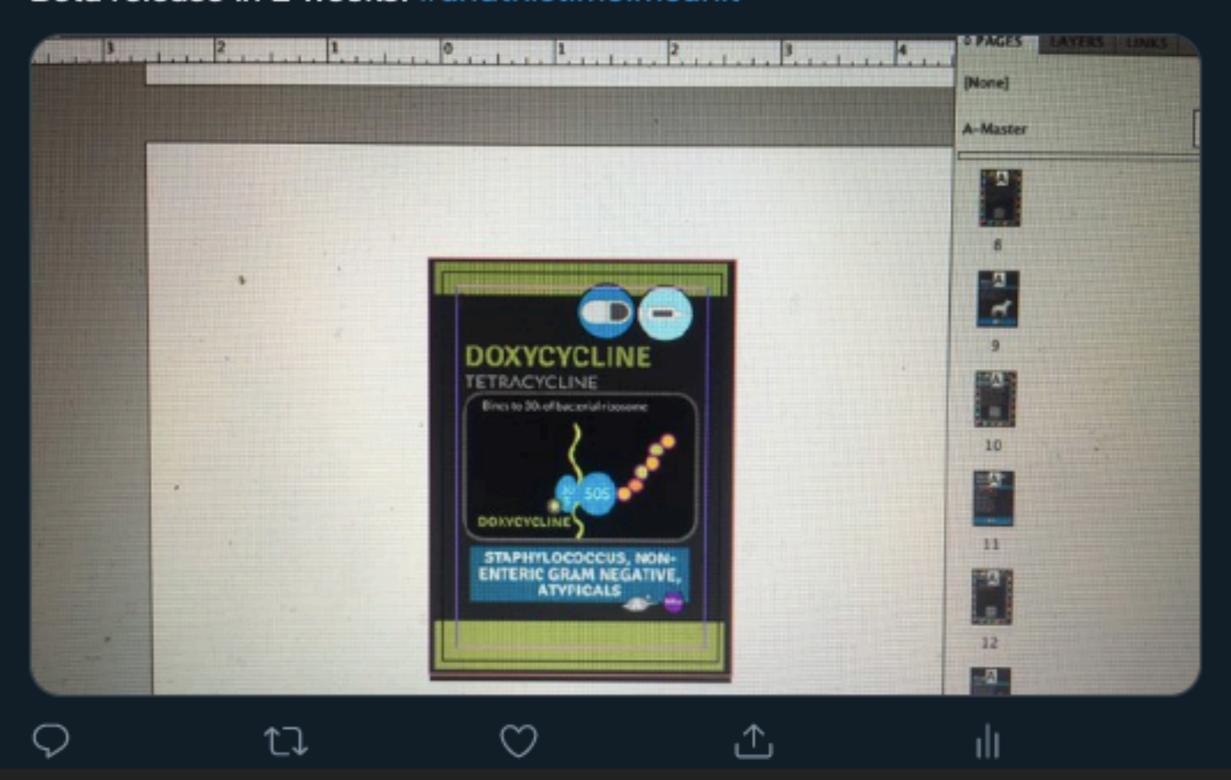
Comments about educational value

Long answer text



Empiric - Antibiotic Card Game @EmpiricGame · Jul 4, 2019

Uploaded and ordered a proof of the updated beta copy after my senior resident found more punctuation problems than I was comfortable with. Beta release in 2 weeks. #andthistimelmeanit





Questions

Responses 2

Empiric

All questions optional

Comments about gameplay

Long answer text

Comments about educational value

Long answer text

SOCIAL MEDIA



Michael Cosimini @MichaelCosimini · Nov 24, 2019 Decision making regarding meds to include in @EmpiricGame

Please answer if you practice in North America.

I am more familiar with:

cefadroxil 1.9%

cephalexin

107 votes · Final results

5

1 1

 \bigcirc 2

仚

98.1%

Show this thread

GETTING FEEDBACK ON PDF





GAME DESIGN/ EDUCATION

DESIGN FOR THE HUMAN ANIMAL





SERIES ARCHIVE CONTACT **ABOUT**









#173: GAME DESIGN AXIOMS

THE GAME DESIGN ROUND TABLE #173: Game Design Axioms

30₺

00:00:00 / 00:39:19

∂30

2

</>

淵libsyn

COMPETITION IS OK

Published: 29 August 2016

A serious game skills competition increases voluntary usage and proficiency of a virtual reality laparoscopic simulator during first-year surgical residents' simulation curriculum

Mostafa El-Beheiry ™, Greig McCreery & Christopher M. Schlachta

Surgical Endoscopy 31, 1643–1650(2017) | Cite this article

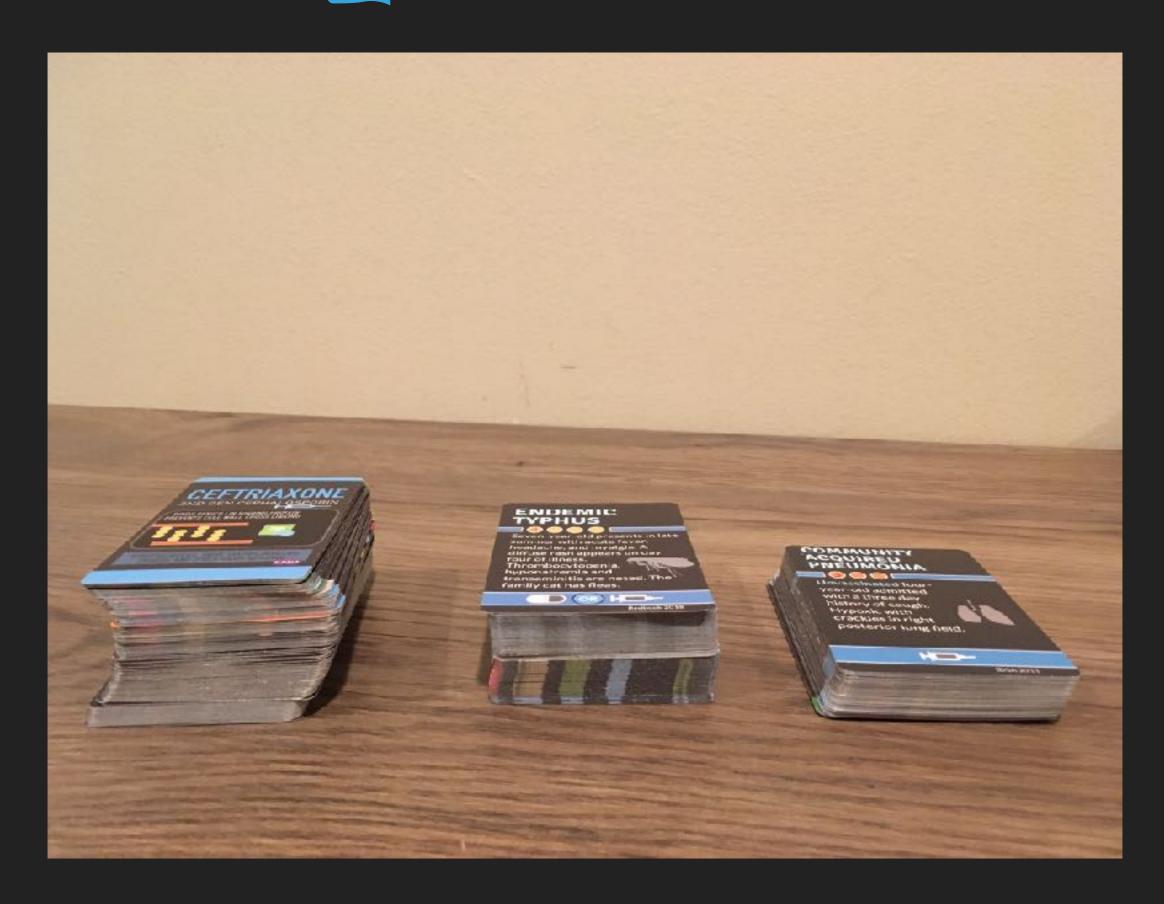
697 Accesses 5 Citations 3 Altmetric Metrics

. . .

MAKE IT SIMPLE BARTONELLA ADENITIS N MENINGITIDIS EXPOSURE OTITIS MEDIA =0000 LEMIERRE Vaccinated nineteen -year-old whose roommate was diagnosed with Nmeningitids ENDEMIC **ABSCESS**



MAKE IT SMALLER



GAME DOES NOT STAND ALONE





Empiric Pediatric

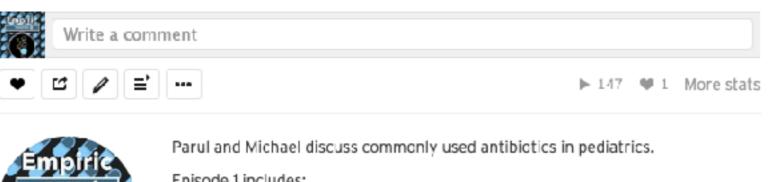
Antibiotics in Pediatrics: Upper And Lower Respiratory Infections

3 months ago

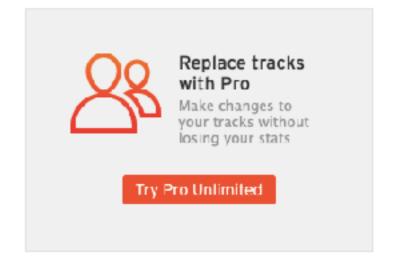
#Learning





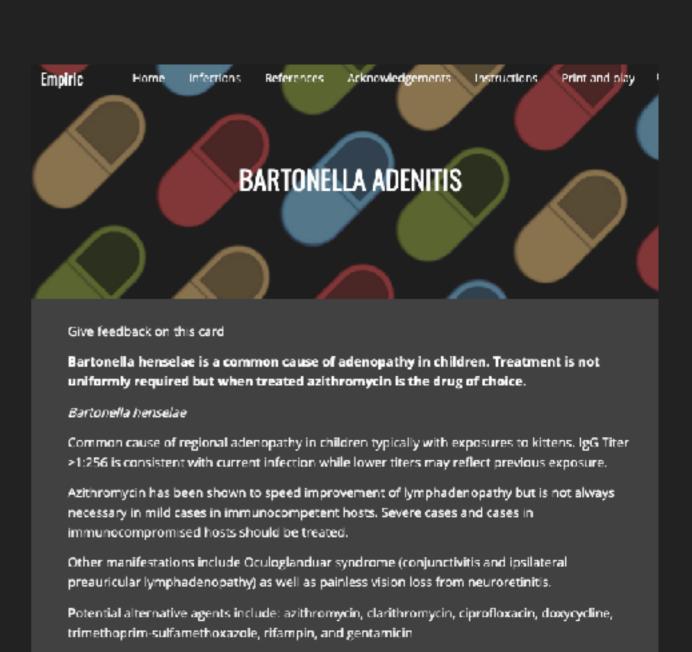


Episode 1 includes: Group A Streptococcal Pharyngitis Acute Otitis Media Sinusitis Community Acquired Pneumonia.









American Academy of Pediatrics. <u>Bartonella henselae (Cat-Scratch Disease</u>). In: Kimberlin DW, Brady MT, Jackson MA, Long SS, eds. <u>Red Book</u>: 2018 Report of the Committee on Infectious

References:

Diseases. American Academy of Pediatrics; 2018;

PROMOTION

SOCIAL MEDIA



Empiric - Antibiotic Card Game

@EmpiricGame

Card game for guideline based antimicrobial use. Pediatric first Ed drivethrucards.com/product/270763... #MedEd

© Los Angeles CA & EmpiricGame.com III Joined April 2019

755 Following 455 Followers

Tweets Tweets & replies Media Likes





Empiric - Antibiotic Card Game @EmpiricGame · Jan 10

Empiric Pediatric is a 2-4 player #MedEd card game to teach gubased antibiotic selection.

Official release is January 15

EmpiricGame.com

FB: facebook.com/groups/6097592...
Twiter and Instagram: @EmpiricGame









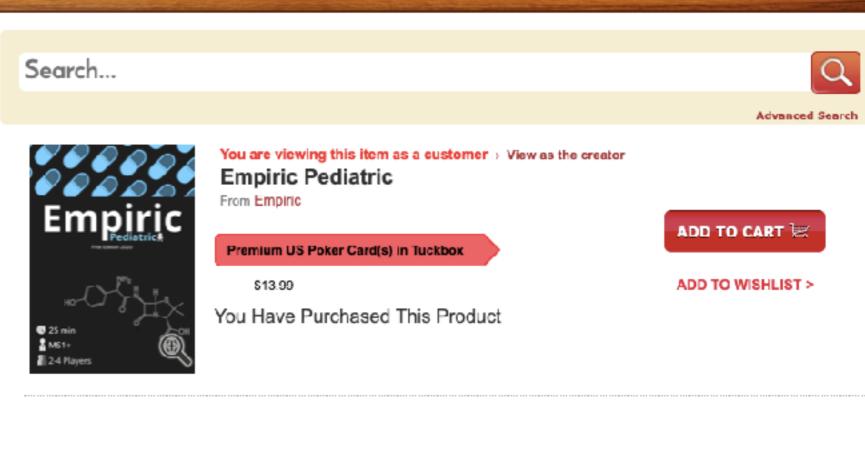






PRINT ON DEMAND





The game is designed for education for physicians and medical trainees including medical students, residents

Content is primarily derived from IDSA and AAP guidelines to teach antimicrobial selection for common and

This package is the 2020 First Edition which contains 86 play cards including 40 infection cards with treatment

Account

Publish

Connecting card game designers and players

My Library

Log Off

Empiric is an infectious disease card game for 2-4 players.

(pediatrics, EM), PA students, NP students, and pharmacy students.

options, learning points and links to further online content.

important infections. The content is specific to North American guidelines.

empiric pediatric box

Empiric

Monthly Totals by Product

2020-01-01 through 2020-01-31

| Month A Mod | del 🏺 | Product | Total Sold 🍦 | Gross Sales | Earnings |
|-------------|-------------------|--------------------|--------------|-------------|----------|
| 1-2020 | Empiric Pediatric | | 44 | \$620.56 | \$100.20 |
| | | SUBTOTAL - 1-2020: | 44 | \$620.56 | \$100.20 |
| | | | | | |
| | | Grand Totals: | 44 | \$620.56 | \$100.20 |
| | | | | • | |

- 9c per card
- ▶ 2.50 for custom box
- ▶ Total 10.60
- Markup to 13.99
- > 3.39 (65% to me)
- Low risk option for publishing to niche

PERFECT IS THE ENEMY OF DONE

NEXT STEPS

- Scholarship
- Expansions

RESOURCES

Podcasts













Facebook





Reddit













