The structure discovered thus far for sections on Recommend Empiric Therapy, with emphasis on Respiratory, are shown below. Other sections were also examined to confirm or expand the pattern.

The structural outline shown will be the basis for a data schema for this section. It will also drive the mapping for any content tool. Examples are shown in the accompanying figures for the various outline elements.

```
1. Category (examples shown in Fig. 1, Fig. 4)
          Sub Category (examples shown in Fig. 4)
                 Disease (examples shown in Fig. 1, Fig. 4)
                       Disease Overview (examples shown in Fig. 1)
                             Presentation 1 (examples shown in Fig. 2, Fig. 4))
               1.1.1.1.1.
                                   Presentation Overview (examples shown in Fig. 3)
                   1.1.1.1.1.1.
                   1.1.1.1.1.2.
                                   Pathogen(s) (examples shown in Fig. 3)
                   1.1.1.1.3.
                                   Therapy 1 (examples shown in Fig. 2)
                       1.1.1.1.3.1.
                                         Therapy Note or Prerequisite (shown in Fig. 2, Fig 3.)
                                         Drug (examples shown in Fig. 4)
                       1.1.1.1.3.2.
                       1.1.1.1.3.3.
                                         Dosage (examples shown in Fig. 4)
                                         Duration (examples shown in Fig. 4)
                       1.1.1.1.3.4.
                       1.1.1.1.3.5.
                                         Linked Note (examples shown in Fig. 2)
                       1.1.1.1.3.6.
                                         Combined with Linkage (examples shown in Fig. 3)
                                   Therapy 2 (therapy sections repeated as necessary)
                   1.1.1.1.1.4.
                                   Presentation End Note (examples shown in Fig. 2)
                   1.1.1.1.5.
               1.1.1.1.2.
                             Presentation 2
                   1.1.1.1.2.1.
                                   Presentation Overview
                   1.1.1.1.2.2.
                                   Pathogen(s)
                   1.1.1.1.2.3.
                                   Therapy 1
                                         Therapy Note or Prerequisite
                       1.1.1.1.2.3.1.
                       1.1.1.1.2.3.2.
                                         Drua
                       1.1.1.1.2.3.3.
                                         Dosage
                       1.1.1.1.2.3.4.
                                         Duration
                                         Linked Note
                       1.1.1.1.2.3.5.
                                         Combined with Linkage
                       1.1.1.1.2.3.6.
                   1.1.1.1.2.4.
                                   Therapy 2
                   1.1.1.1.2.5.
                                   Presentation End Note
               1.1.1.1.3.
                            Presentation 3 ... etc.
                Disease 2 etc.
       1.1.2.
```

The outline from 1 to to 1.1.1.1.1.5 shows the base structure. All or parts of the structure are repeated as necessary.

Outline elements such as Disease Overview, Presentation Overview, and Presentation End Notes will be captured as unstructured rich text. "Unstructured" implies that the text is captured as a single entity without any child data elements. While this is not theoretically ideal, it may be the only practical path forward given the diversity of formats in the textual notes.

Feedback on the accuracy and correctness of the outline above is required before developing an underlying schema.

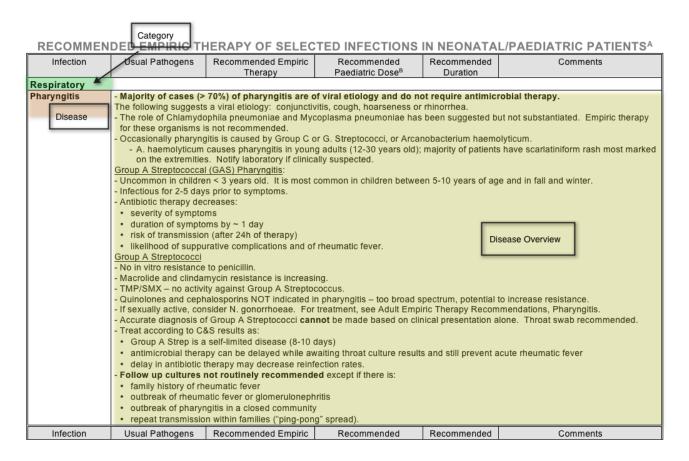


Fig. 1
(Category, Disease, Disease Overview)

RECOMMENDED EMPIRIC THERAPY OF SELECTED INFECTIONS IN NEONATAL/PAEDIATRIC PATIENTS^A Paediatric Dose^B Respiratory **Pharyngitis** Linked Note (cont'd) Penicillin VK Acute Group A Streptococci 40mg/kg/d PO div bid 10 days* No good evidence that shorter courses of antibiotic therapy Alternative (including cephalosporins, Erythromycin 40mg/kg/d PO div tid 10 davs* azithromycin, clarithromycin) are as Presentation effective as 10 days. Clindamycin 20mg/kg/d PO div tid 10 days* If treated empirically (NOT recommended), & 48 hour throat Therapy swab culture antibiotics. Presentation End Note Non-responders Group A Streptococci Non-responders* Consider: (after 72 hours Change in antibiotic noncompliance of therapy*) therapy may not be · concurrent viral infection in a required. Group A Strep carrier · suppurative complication of Group Presentation Therapy Note or Prerequisite A Strep pharyngitis (e.g. Early relapse peritonsillar, tonsillar, and (2-7 days post-Early relapse*1 retropharyngeal abscess). therapy*) Clindamycin 20mg/kg/d PO div tid 10 days †Early relapse: repeat throat swab necessary - only treat if culture Erythromycin 40mg/kg/d PO div tid 10 days positive for Group A Strep. Group A Strep resistance to macrolides and clindamycin is increasing

Fig. 2 (Presentation, Therapy, Linked Note, Therapy Note or Prerequisite, Presentation End Note)

RECOMMEN	IDED EMPIRIC TI	HERAPY OF SELEC	CTED INFECTIONS	IN NEONATA	L/PAEDIATRIC PATIENTS ^A
Infection	Usual Pathogens	Recommended Empiric Therapy	Recommended Paediatric Dose ^B	Recommended Duration	Comments
Respiratory					
Pharyngitis					
(cont'd)					
Late relapse	* Late relapse or recurrence should be confirmed by culture.				
or	Consider:				
Recurrent*	* concurrent viral infection in a Group A Strep carrier * new infections with Group A Strep. *Continuous antibiotic propylaxis is not recommended. * If ≥ 3 culture confirmed symptomatic episodes per year consider: * throat swab during an asymptomatic period to document carrier status * throat swab of all if amily members if suspect "ping-pong" spread from an asymptomatic carrier. * Family pets are not carriers of Group A Strep.				
	Group A Streptococci	Clindamycin or	20mg/kg/d PO div tid	10 days	**Although Pen VK should be
	- Croup / Caroptococci	Amoxicillin-clavulanate		10 days	effective, there is some evidence that
		or	-tonig/kg/d i o div tid	10 days	antibiotics with activity against ß-
	Pathogen	Erythromycin or	40mg/kg/d PO div tid	10 days	lactamase producing organisms (e.g.
		Penicillin VK**	40mg/kg/d PO div bid	10 days	anaerobes) may be superior.
Asymptomatic	- Un to 20% of the nae				
carrier	 - Up to 20% of the paediatric population may carry Group A Strep asymptomatically, however carriage rate is much lower in older adolescents and adults (2.4-3.7%). Presentation Overview				
Cultici			d of Group A Strep and are	at little risk of rheur	Presentation Overview
		No therapy required	a or oroup // ourop and are	dt iittio riok or riiodi	* Eradication of asymptomatic carriers
	Group / Gareptococci	unless		\neg	is recommended only if high risk:
		High risk*	aby Note or Prerequisite		family history of rheumatic fever
		Clindamycin or	20mg/kg/d PO div tid	10 days	or glomerulonephritis
		Amoxicillin-clavulanate	40mg/kg/d PO div tid	10 days	outbreak of rheumatic fever
		or	-tonig/kg/a r o arv tia	10 days	outbreak of medinatic rever outbreak of pharyngitis in a closed
		[Penicillin VK	40mg/kg/d PO div bid or	10 days	community
Combi	ned with linkage	+	tid	,.	repeat transmission within
		Rifampin]	10mg/kg PO bid	4 days	families
			(max 300mg/dose)	(given in last 4	1
			()	days of	multiple (≥ 3/year) culture applismed symptometric anicodes
				treatment)	confirmed symptomatic episodes

Fig. 3 (Combined with Linkage, Therapy Note or Prerequisite, Presentation Overview)

RECOMMENDED EMPIRIC THERAPY OF SELECTED INFECTIONS IN NEONATAL/PAEDIATRIC PATIENTS^A Usual Pathogens Recommended Infection Recommended Empiric Recommended Comments Duration Therapy Paediatric Dose^E Skin & Soft Tissue MRSA nasal S. aureus, methicillin-Eradication of MRSA colonization is carriage resistant controversial and should be individualized. Consult Infection Control. Category Increasing mupirocin resistance noted in Canada. For isolation/precautions, refer to Infection Control section of this book Sub Category and site-specific Infection Control recommendations. Vesicular lesions Chickenpox Notify Public Health. For contact prophylaxis recommendations, see Prophylaxis for Contacts of Communicable Diseases. /aricella zoster - Therapy not recommended unless: Immuno-≤12 years old competent · chronic cutaneous or pulmonary Disease disorder >12 years old · long term salicylate therapy 80mg/kg/d PO div qid (max 800mg/dose) Acyclovir 5 days · short, intermittent or aerosolized courses of corticosteroids. Presentation Most benefit if initiate acyclovir within For the purposes of data mapping the drug, 24h of rash onset. For encephalitis, hepatitis, dosage, and duration are being treated as pneumonitis, use acyclovir IV for all components of a "therapy" ages Varicella zoster 30mg/kg/d IV div q8h 7-10 days Immunocom-Acyclovir promised

Fig 4 (Category, Sub Category, Disease, Presentation)