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)
    1.1. Sub Category (examples shown in Fig. 4)
        1.1.1. Disease (examples shown in Fig. 1, Fig. 4)
            1.1.1.1. Disease Overview (examples shown in Fig. 1)
                1.1.1.1.1. Presentation 1 (examples shown in Fig. 2, Fig. 4))
                    1.1.1.1.1.1. Presentation Overview (examples shown in Fig. 3)
                    1.1.1.1.1.2. Pathogen(s) (examples shown in Fig. 3)
                    1.1.1.1.1.3. Therapy 1 (examples shown in Fig. 2)
                        1.1.1.1.1.3.1. Therapy Note or Prerequisite (shown in Fig. 2, Fig 3.)
                        1.1.1.1.1.3.2. Drug (examples shown in Fig. 4)
                        1.1.1.1.1.3.3. Dosage (examples shown in Fig. 4)
                        1.1.1.1.1.3.4. Duration (examples shown in Fig. 4)
                        1.1.1.1.1.3.5. Linked Note (examples shown in Fig. 2)
                        1.1.1.1.1.3.6. Combined with Linkage (examples shown in Fig. 3)
                    1.1.1.1.1.4. Therapy 2 (therapy sections repeated as necessary)
                    1.1.1.1.1.5. Presentation End Note (examples shown in Fig. 2)
                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
                        1.1.1.1.2.3.1. Therapy Note or Prerequisite
                        1.1.1.1.2.3.2. Drug
                        1.1.1.1.2.3.3. Dosage
                        1.1.1.1.2.3.4. Duration
                        1.1.1.1.2.3.5. Linked Note
                        1.1.1.1.2.3.6. Combined with Linkage
                    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.
        1.1.2. Disease 2 etc.

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.

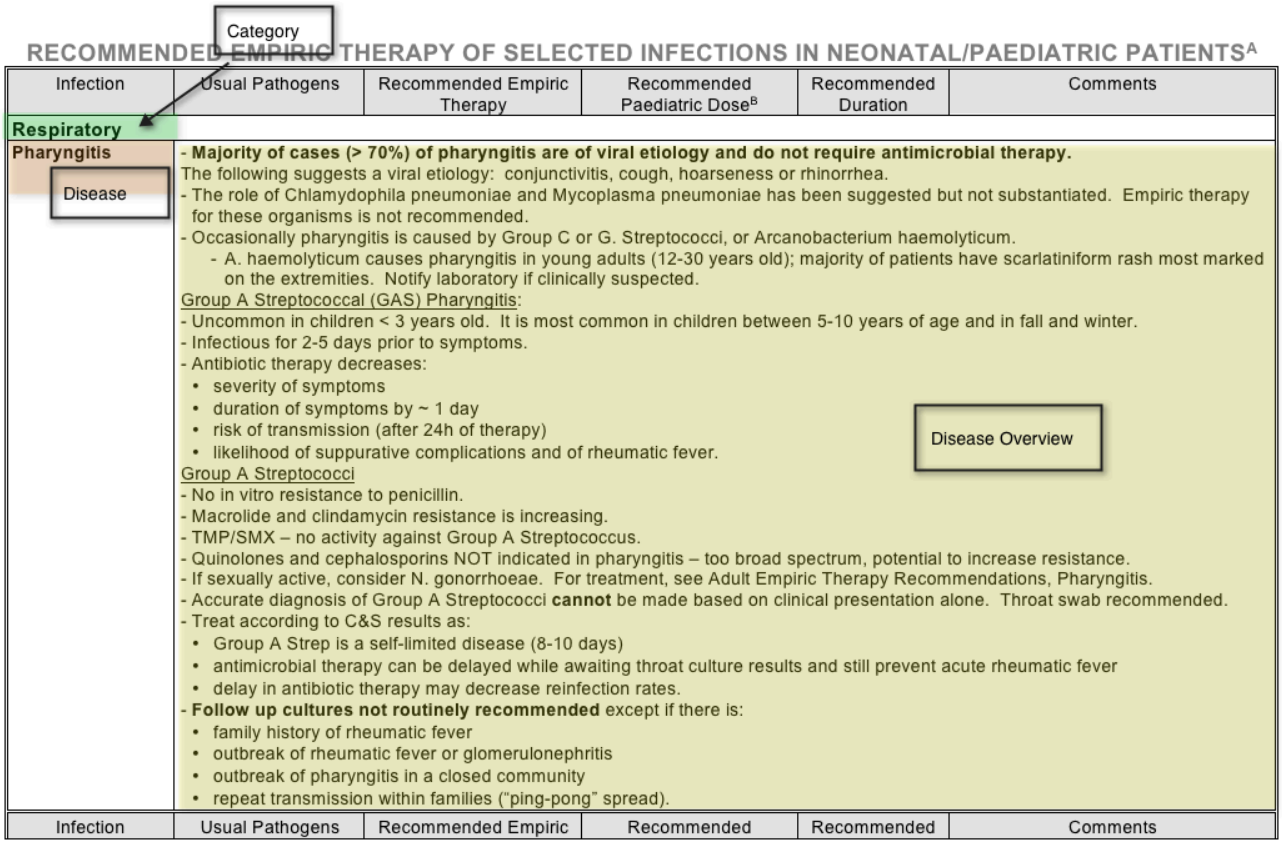

Fig. 1
(Category, Disease, Disease Overview)

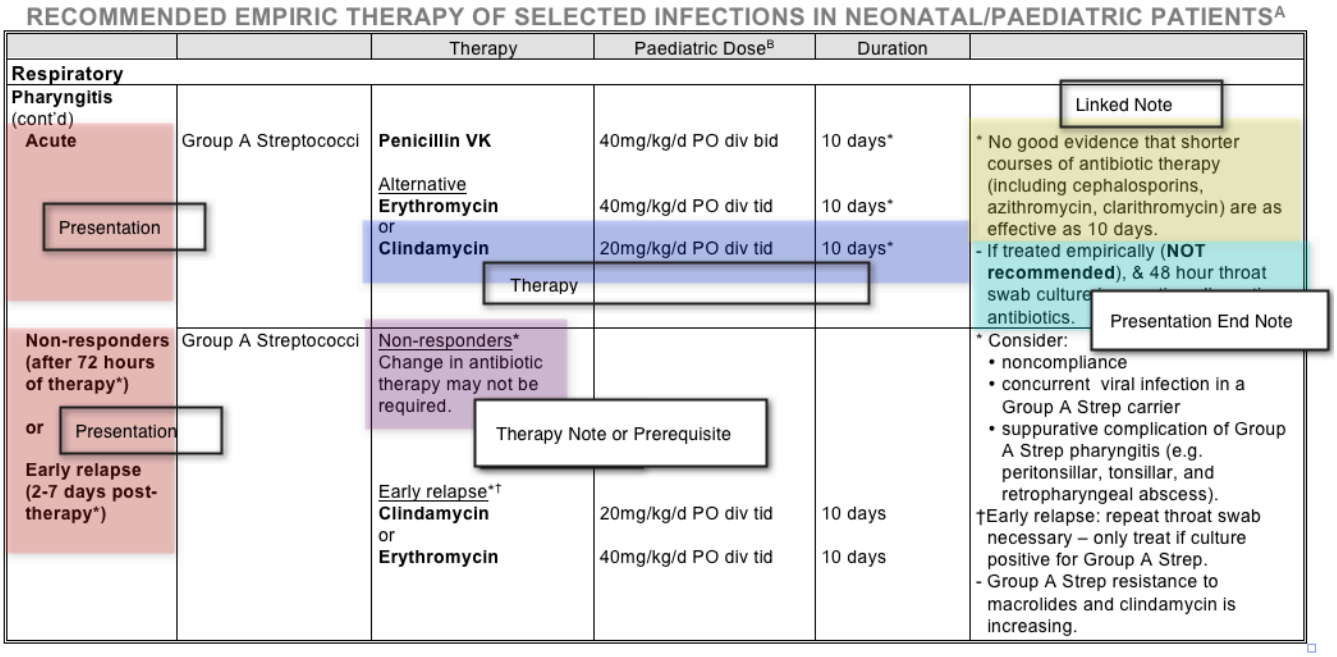

Fig. 2
(Presentation, Therapy, Linked Note, Therapy Note or Prerequisite, Presentation End Note)

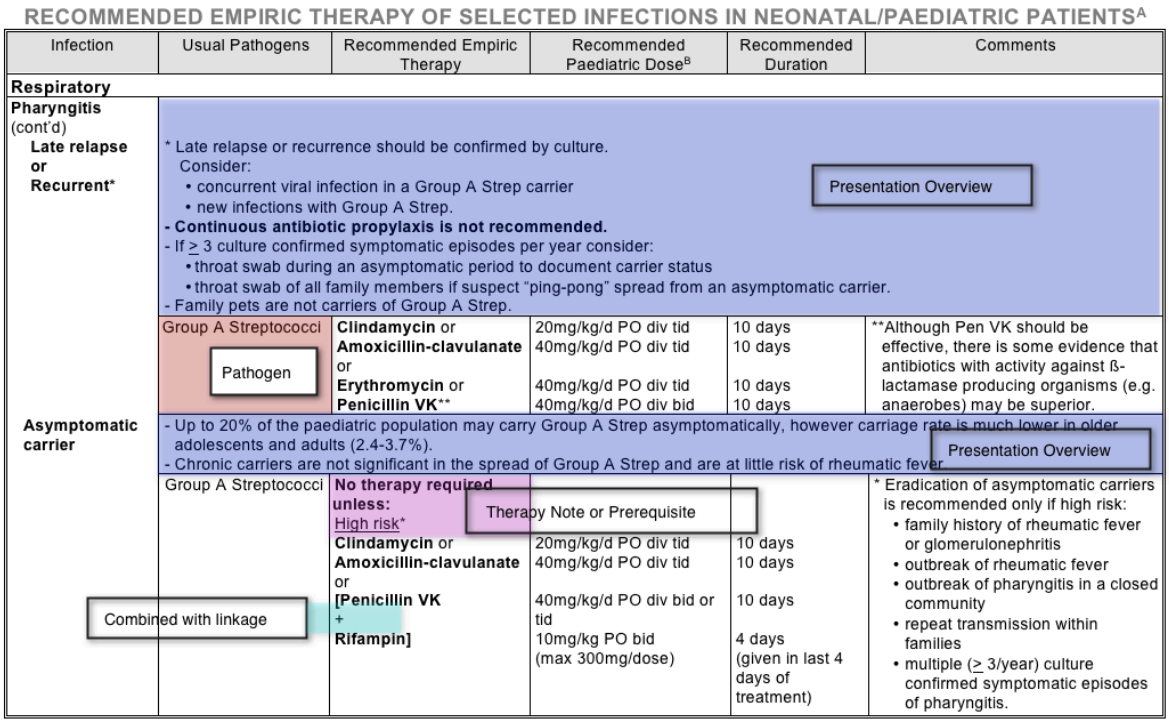

Fig . 3
(Combined with Linkage, Therapy Note or Prerequisite, Presentation Overview)

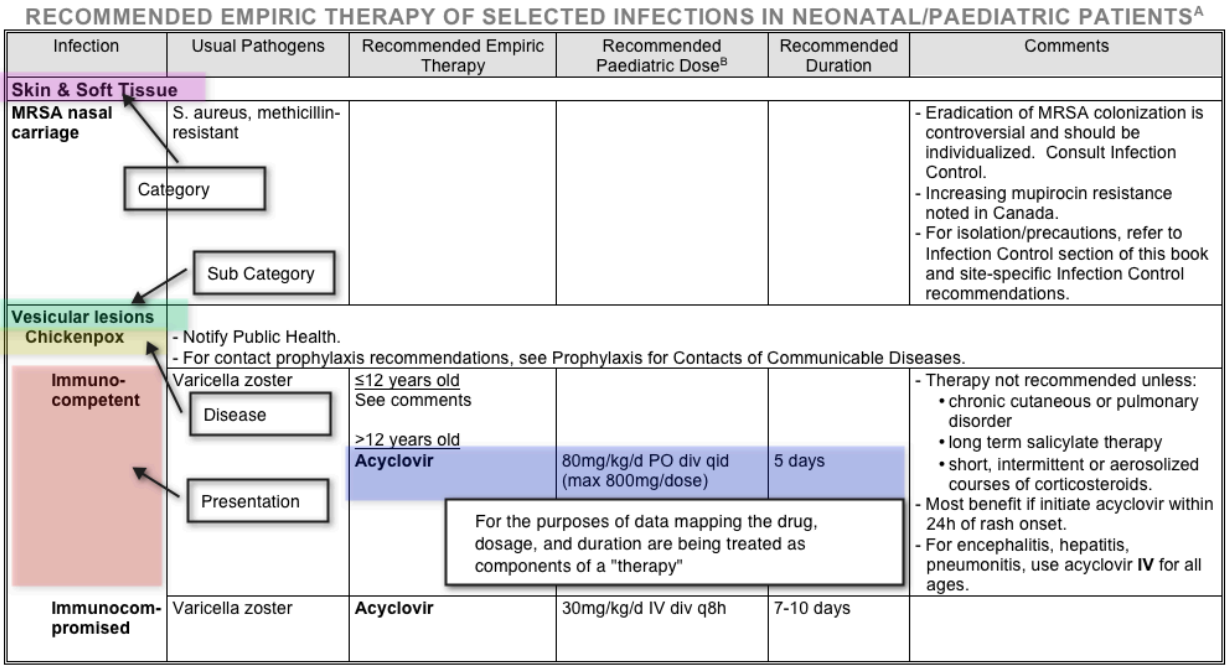

Fig 4
(Category, Sub Category, Disease, Presentation)