SY-11 The book's structure: parts, chapters, protocols and the website, a proposal from the library

HEALING after the FALL, research library, SY-11

Researched 10 October 2026 by Claude Opus agent for THRIVING after the FALL, Book Four. Library document, unverified.

This is a synthesis. Its ground is the library itself: the accepted reports in the THRIVING library, cited by ID. It proposes how HEALING after the FALL could be built from them. The structure it argues for is a proposal for the owner, not a finding, and every place where the owner must choose is marked [OWNER]. Facts about the series' other books and about the website are given only as library reports state them.

1. Findings by section

1.1 What the library gives a structure to work with

The library holds 162 reports in 13 families when this was written: foundations (FO, 11), hygiene (HY, 12), infection (IN, 16), mothers and children (MA, 11), medicines (ME, 14), mind (MI, 13), nursing (NU, 9), organisation (OR, 10), regional pharmacopoeias (PH, 10), syntheses (SY, 11 besides this one), traditions (TR, 16), wounds and injury (WO, 16) and chronic illness (CH, 13). Together they run to about 1.72 million words with references, by my count. They carry 4,961 [VERIFY] marks and 655 [OWNER] marks, figures SY-12 also gives, and about 4,600 notes that a source was read only as an abstract, a secondary account or a search summary [VERIFY: my own grep count].

Three facts follow for the structure.

The library is ten times longer than any book it could become. At the word budget proposed in 1.8, the book prints well under a tenth of the library. Most of what the library knows must therefore go somewhere else, and the choice of what stays is the structure's first job.

The families are a research structure, not a reading structure. They were set by discipline so that each report could be written alone. A book that kept them would be a textbook in thirteen parts, with the child's pneumonia in IN, her danger signs in MA, her amoxicillin in ME and the household visit that prevents it in HY. No library report proposes keeping the families as the book's parts.

The syntheses already imply an order. SY-05 ranks twenty interventions by hours of training per life saved over ten years and sets out the book's order as the ledger implies it (THRIVING library, SY-05). SY-07 collapses about 400 red flags into six patterns on one card (THRIVING library, SY-07). SY-10 ranks 58 harms and sets warning weights per chapter (THRIVING library, SY-10). SY-06 lays out 50 plants and 20 minerals by three climate zones (THRIVING library, SY-06). SY-09 gives a first week, month, season and year (THRIVING library, SY-09). SY-08 gives the means ledger rung by rung (THRIVING library, SY-08), and SY-12 lists what the library could not find (THRIVING library, SY-12). These are the materials. They do not agree on one order, and 1.10 sets out where they differ.

1.2 Three alternative structures, and the genre convention

The brief asks for three alternatives: by condition, by rung, and by the course of a year. A fourth, by weight and clock, comes from SY-05. The genre convention to accept or reject is Where There Is No Doctor, known here only through FO-06, OR-09 and SY-07.

The genre convention. FO-06 describes WTND as written from Werner's notes for villagers in the Sierra Madre who read poorly, with danger signs as its spine: a chapter that asks for temperature, pulse and breathing and then lists 21 danger signs with page references (THRIVING library, FO-06). It sets limits by distance, practises restraint with medicines and has a companion book on using the book. Its one external audit found prevention advice correct in 96 to 100% of sections and treatment current in only 62% of the Prevention sections, and 44 corrections were adopted. FO-06's lesson is that the durable content (prevention, observation, nursing, records) must be kept apart from the content that dates (drugs and doses). Horneland's study of seafarers' guides, also in FO-06, found that guides organised by disease name presume the reader can name the disease and fail lay readers without radio advice. Users asked for a shorter book ordered by how common problems are.

The convention to accept is therefore WTND's spine (danger signs first), its distance rule, its restraint, its book on using the book and its corrections. The convention to reject is any part of it that sends the reader to help that no longer exists. FO-06 calls this the edge-of-page question, and the Fall removes four of its five answers (send for the physician, radio, health centre, evacuate). Only "assume no referral" remains.

Structure	What it does well	What it hides or breaks	Library support
By condition (organ or disease, the reference-book shape)	Easy to index, easy to extend, matches the PH, CH and IN reports	Presumes the reader can name the disease (FO-06). Gives a rare cancer the same weight as a child's pneumonia. Becomes a reference book that is consulted after the hour when it was needed	Weak. FO-06 and OR-09 argue against it for lay readers
By rung (hands, hearth, garden and still, dispensary, infirmary, hospital)	Honest about means. Matches SY-08. Lets a household read only its own part	Splits every emergency across parts. A mother bleeding after birth needs hands (bimanual compression), the dispensary (misoprostol) and the district (oxytocin) in the same ten minutes (MA-02). The reader must turn between parts while she bleeds	Strong as an axis inside chapters (SY-08, SY-06's rung codes, SY-10). Weak as the outer order
By the course of a year (first week, month, season, year, then the seasons)	Matches how a village builds its health (SY-09). Matches the teaching calendar (OR-01) and the household visit (OR-09). Seasonal disease is real	The emergency does not wait for its season. Lookup is poor. Repeats the same condition in several months	Strong for teaching and setting up (SY-09). Weak for use at the bedside

Structure	What it does well	What it hides or breaks	Library support
By weight and clock (SY-05's ranking with its clock-rule override)	Puts the most lives per hour of training first. Puts the conditions that kill in minutes on cards before everything else. Matches OR-01's sequence	The reader who wants the long illness must read past the child. Depends on SY-05's ledger, which rests on estimated training hours (OR-01)	Strongest. SY-05, SY-07, OR-01 and FO-06 all point this way, with differences set out in 1.10

The argument. The book should be ordered by weight and clock, carry the ladder inside every chapter, and keep the year for teaching and for the website.

- *Weight and clock as the outer order.* SY-05's ranking is the only structure in the library built from deaths averted per hour of teaching. Its clock-rule override puts first what kills before a book can be opened: pressure and the tourniquet, bleeding after birth, rescue breathing, cooling, washing the bite and confining the dog [OWNER]. This answers the pitfall that a structure by condition becomes a reference book. The child who may die comes before the cancer because she is more likely to be in the room.
- *The ladder inside each chapter.* Each protocol carries a short rung ladder: what hands alone do, what the hearth adds, what the garden and still add, what the dispensary adds, what the infirmary adds, and what only a hospital could do. SY-06 already codes every plant H, V, D or R, and SY-08 sets out the rungs condition by condition. This answers the pitfall that a structure by rung hides the emergencies: the emergency stays in one place and the ladder sits within it.
- *The year as the teaching calendar.* SY-09's first week, month, season and year become a short part near the front ("The first year") and a calendar on the website for the healer pair, the birth attendant and the household visits. The book does not repeat conditions by season. It points to them.
- *Symptom entry through the wall card and the index.* FO-06's first design rule is to enter by what the reader sees. The red-flag card at the front (SY-07) and an index by sign ("hot", "breathing fast", "bleeding", "will not wake") give that entry without reordering the book by symptom.

SY-08 adds a reason the two orders need not fight. Its steepest steps are at the bottom of the ladder: clean hands, rehydration, warmth, breastfeeding, a clean cut and one salvaged drug in trained hands. The garden is a comfort rung, not a survival rung, and lost drugs and surgery cost a village of 300 about 0.5 to 2 deaths a year (SY-08). Weight and the lower rungs therefore point to the same first chapters.

This is a hybrid. Its risk is that it pleases nobody fully. Its strength is that each of the library's syntheses keeps the job it does best.

1.3 A governing metaphor: the clock and the ladder

No library report proposes a governing metaphor. What follows is my own proposal [VERIFY] [OWNER].

Every condition in the library has a clock, and the book could be built around reading it. Some clocks in the library:

- **Minutes.** A baby breathing or being ventilated by one minute, the Golden Minute of Helping Babies Breathe (THRIVING library, MA-05). Bleeding after birth, the leading killer of mothers (THRIVING library, MA-02). Bleeding from a limb (THRIVING library, WO-01).
- **Hours.** Cholera that can kill within hours, with an incubation of 12 hours to 5 days (THRIVING library, IN-11). A hip to be reduced within about 6 hours (THRIVING library, WO-06). An appendix that has usually not burst before 36 hours, and a perforated ulcer whose delay becomes critical at about 6 hours (THRIVING library, WO-08). A tourniquet converted by about 2 hours, with the limb in grave danger beyond 6 (WO-01).

- **Days.** The child's pneumonia, the newborn's seven signs, the wound that turns (THRIVING library, IN-03, MA-05, WO-14).
- **Weeks and years.** Tuberculosis, diabetes, the long illness and the end (THRIVING library, IN-10, CH-01, NU-06).

FO-01 makes the point that matters most: when the system fails, people die of the lost drug on the disease's own clock (THRIVING library, FO-01). The clock tells the reader what to do first. The ladder tells the reader what is within reach. Together they make two axes: the order of the book is the clock, and the shape of each chapter is the ladder.

The metaphor has costs. It suits emergencies better than the mind or the end, where the clock is long and the work is staying. It may read as alarm. Two alternatives from the library could serve instead: the household as hospital, from NU-03 and NU-01, and the commons, from OR-08 [OWNER].

1.4 The proposed parts and chapters

The parts follow SY-05's section 7, with the long illness split into the body, the mind and the end, and with the shelf and the village moved to the back as the chapters that bind the rest. The chapter count is a proposal [OWNER].

Front of the book - *How to use this book.* The edge-of-page answer: assume no referral (FO-06). Grades, rungs and the [never] line explained. Werner's distance rule. - *The wall card.* SY-07's six patterns (brain, circulation, breathing, intake, hidden bleeding, spreading infection), leading with children's fever and diarrhoea. Nine signs at most, found in under a minute in drills (THRIVING library, OR-09). - *The clock cards.* Five cards on the clock-rule interventions [OWNER]. - *The first year.* SY-09's bootstrap sequence in four pages, pointing forward.

Part One. The clean hand and the count 1. The clean hand: soap, washing, sterilising 2. The count: examining by hand, eye and ear, and what heals alone 3. Judging a remedy, and the cases against

Part Two. The child who may die 4. The breathing child: the count and amoxicillin 5. The dry child: rehydration 6. The hot child: fever and malaria 7. The spotted child and the thin child: measles, the childhood killers, malnutrition 8. Milk

Part Three. Birth and the newborn 9. Pregnancy and normal birth 10. The bleeding mother 11. Births that go wrong: obstruction, breech, fits and fever 12. The first hour and the first month 13. Fertility, loss of a pregnancy, and women's health across life

Part Four. The village's defences 14. Water and waste 15. Nets, screens and the creatures that carry disease 16. The epidemic 17. The long infections: tuberculosis, leprosy, HIV, hepatitis, sexual and urinary infection 18. Vaccination without a factory 19. Food, worms, and the animals we live with

Part Five. Injury 20. Stopping the bleeding and cleaning the wound 21. Bones and joints 22. Burns, cold and heat 23. Head, chest and belly, and many hurt at once 24. Bites, stings and poisons 25. The district's knife: sleep, the sterile room and the operations the village must refuse

Part Six. The long illness 26. Nursing: the bedridden, fluids and the sickroom 27. The chronic body: sugar, pressure, breath, fits and allergy 28. Pain that stays, skin, gut and the small surgeries 29. Eyes and teeth 30. Walking again: rehabilitation, paralysis and old age

Part Seven. The mind 31. Trauma, grief and the lay counsellor 32. Severe illness of the mind, addiction and suicide 33. The healer's own mind and the social body

Part Eight. The end 34. Cancer, the good death and the body after

Part Nine. The shelf, the garden and the village 35. The shelf: salvage, stewardship and stock 36. The garden and the still: preparations, dose and testing 37. The poison garden and the dangerous remedy 38. The healer, the

infirmary and the commons 39. The register and the correction of this book

Thirty-nine chapters is long beside WTND as FO-06 describes it, and the owner may merge 7 into 4 to 6, 13 into 9, 19 into 14 and 33 into 31 [OWNER].

Chapter anatomy. The brief gives the series' anatomy as opening, story, bench protocols, numbers to carry and library. FEASTING after the FALL uses chapters and numbered bench protocols (HY-05 cites its Chapter 17 and Bench protocols 4 to 6), and keeps a VERIFICATIONS table with rows such as T1 and B19 (THRIVING library, HY-05). Within that anatomy, the library asks for five additions:

1. **The clock line** under the title: how fast this kills, and what to do first. [VERIFY: my proposal]
2. **The rung ladder** in each bench protocol, from hands to hospital (SY-08, SY-06).
3. **The never line** at the head of each protocol, a black box at most once per chapter and only for tier 1 harms, with every "never" matched by something the reader can do (SY-10).
4. **The three branches** for every danger sign: help in time, help too late, no help at all, with comfort in the last (FO-06).
5. **Grades printed per preparation**, such as "extract A, decoction C", with harm before benefit, and "not tested" kept apart from "tested and failed" (THRIVING library, SY-02).

The opening should be a scene with its clock. The story should be a named person or place from the library, told plainly and with its numbers. The library section at the end of each chapter lists the report IDs, so that a reader with the website can follow every claim.

Named people and places. The library is rich in stories. A proposed pairing, each named in the report given:

Chapter	Person or place	Library report
1	Semmelweis in Vienna, 1847	HY-01
2	Pierre Louis's count of bleeding, 1835, and Dietl, 1849	FO-05, TR-13
3	Withering's foxglove, 1785, and the hit rate of tradition	ME-07, TR-01
4	Abhay and Rani Bang at Gadchiroli	IN-03, FO-04
5	Mahalanabis at Bongaon, 1971, and BRAC's household teachers	HY-03, OR-09
6	Tu Youyou and Project 523	IN-09, TR-03
7	The siege of Leningrad	FO-01, FO-08
8	Wet-nursing and the dangerous history of substitutes	MA-06
9	Martha Ballard's diary and Catharina Schrader's casebook	TR-06
10	Werner's worked example of the bleeding mother	FO-06, MA-02
11	Magnesium at Kano, and Gordon and Holmes on childbed fever	MA-04
12	Credé at Leipzig and the Golden Minute	MA-05
13	Fistula and the women who carry it	MA-11
14	Snow and Farr	HY-02, HY-04
15	The net and the screen	HY-06

Chapter	Person or place	Library report
16	Ragusa 1377, Eyam, and Mawah against West Point in 2014	HY-07, IN-13
17	Paul Brand and the painless hand	IN-15
18	Boston 1721, Jenner, Balmis, Rivalta 1861, and the warnings of Lübeck and Cutter	HY-10
19	Cuba's Special Period	OR-03
20	Paré and Trueta	WO-02
21	Perkins's traction and Sarmiento's brace	WO-05
22	The cold limb and the hot body	HY-11, WO-04
23	Larrey and Pirogov, and triage	FO-08, WO-09
24	The Marseille poison centre	ME-14, PH-10
25	al-Zahrawi and Lister	TR-04, WO-15, WO-12
26	Nightingale at Scutari	NU-01
27	Allen and Joslin before insulin	CH-01, ME-10
28	To be chosen from CH-05 and CH-09 to CH-11 [OWNER]	
29	Ruit's cataract, Vipeholm and Tristan da Cunha	CH-08, HY-12
30	Guttmann, and Lapides and the clean catheter	NU-09
31	The Harare Friendship Bench, Neuner in Uganda, Bass in Congo, Fambul Tok	MI-01, MI-02, MI-10
32	Geel, Soteria, and Sri Lanka's pesticide bans	MI-05, MI-08
33	Tredegar	OR-08
34	Sertürner and morphine, 1817, and Kerala's Neighbourhood Network in Palliative Care	ME-05, NU-06
35	Albert Alexander, 1941, and Yermolyeva	IN-06, IN-05
36	The physic garden	OR-02, TR-05
37	Washington's bleeding, 1799, and Rush, 1793	TR-13, FO-05
38	Barefoot doctors, Jamkhed, Haydom and the Alaska aides	FO-04, OR-01
39	Werner at Ajoya and the 44 corrections	FO-06, OR-09

Each pairing was checked by searching the library for the name. Restricted indigenous knowledge is not a story to be told. SY-04 rules that it is not published or adjudicated, and that a warning is not a disclosure (THRIVING library, SY-04). Hollow Water and the sweat lodge deaths at Sedona in 2009 (MI-10, TR-08) belong in chapters 31 and 37 only as the library reports them.

1.5 Which result feeds which chapter

Every report in the library is placed once as a main source. Many feed several chapters, and the syntheses feed all of them. The SY-05 rank is given where one applies.

Chapter	Main library reports	SY-05 rank
Front matter	FO-06, OR-09, SY-07, SY-05 (clock rule), SY-09, SY-01	Override
1 Clean hand	HY-01, HY-05, IN-07, WO-12	9, 15
2 The count	FO-07, FO-02, FO-05, OR-04, IN-02	
3 Judging a remedy	FO-03, FO-10, TR-01, SY-01, SY-02, SY-03, SY-04	
4 Breathing child	IN-03, MA-07, IN-01	1
5 Dry child	HY-03, IN-11 (case care), MA-07	2
6 Hot child	IN-02, IN-09, IN-04	3
7 Spotted and thin child	IN-12, HY-08, HY-09	4, 12
8 Milk	MA-06	5
9 Pregnancy and birth	MA-10, MA-01, TR-14	14
10 Bleeding mother	MA-02	21, override
11 Births that go wrong	MA-03, MA-04	
12 Newborn	MA-05	18
13 Women's health	MA-08, MA-09, MA-11	
14 Water and waste	HY-02, HY-04	11, 17
15 Vectors	HY-06	7
16 Epidemic	IN-13, HY-07, IN-11 (outbreaks), OR-05	6
17 Long infections	IN-10, IN-14, IN-15	8
18 Vaccination	HY-10	
19 Food, worms, animals	HY-08, IN-08, IN-16, OR-10	
20 Bleeding and wounds	WO-01, WO-02, WO-03, WO-14	10, 22, override
21 Bones and joints	WO-05, WO-06, NU-05, TR-12	16
22 Burns, cold, heat	WO-04, HY-11, FO-09	19, override
23 Head, chest, belly, many hurt	WO-07, WO-08, FO-08	20
24 Bites and poisons	WO-13, ME-14, PH-10	Override (rabies below the line)
25 District's knife	WO-09, WO-10, WO-11, WO-15, OR-07	
26 Nursing	NU-01, NU-02, NU-03	13
27 Chronic body	CH-01, CH-02, CH-03, CH-04, CH-13, ME-10	
28 Pain, skin, gut	CH-05, CH-09, CH-10, CH-11, NU-08	
29 Eyes and teeth	CH-07, CH-08, HY-12, WO-16	
30 Walking again	NU-04, NU-09, CH-12	
31 Trauma and grief	MI-01, MI-02, MI-03, MI-07, MI-10, TR-16	Below the line
32 Severe illness, addiction, suicide	MI-04, MI-05, MI-06, MI-08, MI-09, MI-11	Below the line

Chapter	Main library reports	SY-05 rank
33 Healer's mind, social body	MI-12, MI-13	
34 The end	CH-06, NU-06, NU-07, ME-05	Comfort
35 The shelf	ME-09, IN-05, IN-06, OR-06, FO-11, OR-03	Enabler
36 Garden and still	OR-02, ME-01, ME-02, ME-03, ME-04, ME-11, ME-12, ME-13, ME-08, SY-06	
37 Poison garden	ME-07, ME-06, TR-13, TR-15, SY-10	
38 Healer, infirmary, commons	FO-04, OR-01, OR-07, OR-08, FO-08, FO-01	
39 Register and corrections	OR-05, OR-09, FO-06, SY-10, SY-12	
Mostly to the website	PH-01 to PH-09, TR-02 to TR-11, SY-08 (full tables)	

Three placements need the owner. FO-01, the mortality of collapse, could open the book instead of sitting in chapter 38 [OWNER]. The traditions (TR-02 to TR-11) could be a part of their own, but SY-04's rules and the evidence grades argue for spreading their tested remedies through the chapters and keeping the rest on the website [OWNER]. ME-03 overlaps with FEASTING, which the library says owns the still (THRIVING library, ME-03), so chapter 36 should point to it rather than repeat it.

GOVERNING after the FALL, as the library describes it, owns allocation, pay for the healer, the commons, capture and the rules for who gets the last dose (THRIVING library, OR-08, FO-08, ME-09). Chapters 35 and 38 should hand these over rather than decide them. The library itself is inconsistent about the series' numbering: HY-05 calls FEASTING Book Three, WO-04 calls it Book Two, and OR-08 calls GOVERNING the series' third book. This needs settling before cross-references are printed [OWNER].

1.6 The bench register

The bench register is the book's list of numbered protocols. Each is a checklist with quantities, timings and tolerances, a never line, a rung ladder and a source row in SY-10. Most already exist in the library as protocols at the end of a report. HY-03 alone has ten, MA-05 seven. The register should keep the best of them, rewritten to OR-09's page rules, and send the rest to the website.

A proposed core of 40, with the report that holds the draft:

Part	Bench protocols (source)
One	Handwashing with soap or ash (HY-01). Steam in a pressure cooker, one needle each (WO-12). Handrub and hypochlorite (IN-07). The examination in ten minutes (FO-07). Temperature, pulse, breath count (OR-04)

Part	Bench protocols (source)
Two	Breath count and amoxicillin by weight band (IN-03, MA-07). Household salt and sugar solution, cereal solution, Plan B over 4 hours, severe dehydration without a drip, zinc (HY-03). The malaria fever card (IN-09). Vitamin A in measles, two doses (IN-12). MUAC and slow refeeding (HY-09). Starting and keeping breastfeeding (MA-06)
Three	The clean birth kit and the third stage (MA-01). Bleeding after birth, from massage to misoprostol (MA-02). Magnesium for fits (MA-04). Breech and shoulder manoeuvres at the limit (MA-03). The first hour, the cord, warmth, the seven signs (MA-05)
Four	Boil, chlorinate, sun-disinfect (HY-02). Site and build a latrine (HY-04). Hang and mend a net (HY-06). The isolation hut and the fed quarantine (IN-13, HY-07). The weekly register (OR-05). The tuberculosis household (IN-10)
Five	Pressure, packing and the tourniquet (WO-01). Irrigate and delay closure (WO-02, WO-03). The loose splint (WO-05, NU-05). Reduce a shoulder (WO-06). Cool a burn, give fluid by mouth (WO-04). Wash the bite and confine the dog (WO-13). Rewarm, and cool (HY-11). Breathe for the patient, in relays if need be, after Copenhagen 1952 (IN-12, FO-09)
Six to Eight	Turning and mouth care (NU-01). Fluid under the skin (NU-02). Comfort by the clock (NU-06). The Friendship Bench session (MI-02). Washing and burying the body (NU-07)
Nine	Count the shelf (ME-09, OR-06). Standard preparations (SY-06, ME-01). The restricted plant (SY-06). Test what you made (ME-13). Test a picture (OR-09). Correct the book (SY-10)

Numbering. FEASTING numbers its bench protocols by chapter range (HY-05). HEALING could number them by part and position (2.4 for Part Two, fourth protocol), with stable numbers that never change between editions, as OR-09's Protocol B asks of page numbers [OWNER].

Format. OR-09 gives the format: one page one problem, in the order see, do, when to send, prevent. Sentences under 20 words, digits only, doses by weight band with a column by age only "if no scale" [OWNER]. The aviation checklist rules apply: read-do for the rare emergency, do-confirm for the routine. HBB's one-page action plan is the model for the clock cards (OR-09).

What stays off the bench. SY-01 lists what lay readers should not be taught at all, including injection below the district (THRIVING library, SY-01). SY-10 names two intramuscular exceptions in dispute: magnesium by the birth attendant and adrenaline in anaphylaxis [OWNER]. Synthesis of dangerous substances stays out entirely, and so does any procedure that the library classes as restricted or district-only.

1.7 What goes to the website

The library says almost nothing about the website. Its one statement is SY-05's ninth item: surgery, chronic disease, the full materia medica and veterinary detail go "to the website or district manual" (SY-05). No report describes the website's form, audience, offline copies or hosting. What follows is my proposal from the library's content [VERIFY] [OWNER].

To the website	Why not the book	Library source
The full pharmacopoeia: 50 plants and 20 minerals by three zones, with rung codes and grades	Long, regional, and dates as evidence moves	SY-06
The regional tables	Ten reports of 40 or more plants each, the most [VERIFY]-dense in the library	PH-01 to PH-09
The lookalike guide in full	The book carries the ten plates, the site the rest	PH-10, SY-10
Dose calculators by weight band	One error multiplies across every child	OR-09, IN-03, SY-10's ceilings
Fluid calculators: ORS by plan, burns by body area and weight	Arithmetic under stress fails	HY-03, WO-04, NU-02
The harm register with all 58 rows	The book prints the never list and the black boxes	SY-10
The corrections log and VERIFICATIONS file, row by row	Must change without reprinting	SY-10, FO-06
District manual: surgery, anaesthesia, the sterile room, the laboratory bench	Belongs to one trained team per 3,000	WO-09, WO-10, WO-11, OR-07
Chronic disease in depth	Long in the library, short in lives per village hour	CH-01 to CH-13, SY-05
Veterinary detail	Same reason	OR-10, IN-16
The traditions	Context, history, and their tested remedies by grade	TR-01 to TR-16
The teaching calendar and training records	For trainers, not patients	OR-01, SY-09
The means ledger, condition by condition	The book carries the ladder per protocol	SY-08

The contradiction in the website. The book is written for a world without a working grid. A website is for the time before, when the book can still be corrected, translated and printed locally. FO-06's rule that dated drug pages must be replaceable, and OR-09's dated correction slips, imply a print-ready file on the site: replacement pages for the drug and dose sections, carried to the village before the Fall [VERIFY: my inference]. The website should therefore hold everything in a form that prints on a home printer, page by page, with stable numbers.

1.8 The pictures

OR-09 finds that pictures linked to words help low readers most, and that local pictures beat imported ones: in South Africa 12 of 23 local pictures met the 85% standard against 2 of 23 imported (THRIVING library, OR-09). Every

picture must pass Protocol A before print: at least 20 people from the readership, accepted at 67% for an ordinary picture and 85% for a danger sign, a dose or a “do not”, and rejected on any opposite reading.

Kind	Pictures	Source
Lookalike plates (10)	Hemlock and water hemlock against carrot, parsnip and celery. Autumn crocus against wild garlic. Foxglove rosette against comfrey and borage. Yew against pine and spruce. Death cap against field mushroom and puffball. Monkshood root against horseradish. Veratrum against Gentiana. Datura seed in grain and beans. Pennyroyal sold as mint. Aristolochia sold as Stephania or Akebia	SY-10, PH-10
Splints and traction	The padded slab, the loose splint with the toes showing, traction for the thigh, the sling	WO-05, NU-05
Manoeuvres	Shoulder reduction, bimanual compression of the womb, McRoberts and the breech manoeuvres, the recovery position, breathing for a baby and an adult, packing a wound, the tourniquet	WO-06, MA-02, MA-03, MA-05, WO-01
Measures	The breath count against a watch or beads, the MUAC strap with its colours, the ORS scoop and bottle, the weight-band dose card, the dose note with sun and moon for those who cannot read	MA-07, HY-09, HY-03, OR-09
Building	The latrine, the isolation hut, the pressure cooker rack, the drying frame	HY-04, IN-13, WO-12, ME-04
Action plans	The red-flag card, the five clock cards, the HBB-style newborn plan	SY-07, SY-05, OR-09

About 80 to 120 pictures in the book is my estimate from this list [VERIFY]. The website carries the rest.

1.9 A word budget

No library report gives a length for the book. FO-06 reports that seafarers found their guide too long, and OR-09 asks for one page per problem. A budget of about 160,000 words is my proposal [VERIFY] [OWNER], weighted by SY-05’s ranks.

Part	Words	Share
Front: how to use, wall card, clock cards, the first year	8,000	5%
One. Clean hand and count	12,000	8%
Two. The child who may die	24,000	15%
Three. Birth and newborn	22,000	14%
Four. The village's defences	22,000	14%
Five. Injury	22,000	14%
Six. The long illness	16,000	10%
Seven. The mind	10,000	6%
Eight. The end	5,000	3%
Nine. Shelf, garden and village	15,000	9%
Back: never list, dose tables, index, library	4,000	2%
Total	**160,000**	**100%**

The first five parts after the front carry about 65% of the words, and they hold 19 of SY-05's top twenty. Only nursing the bedridden (rank 13) sits in Part Six. Part Six is held to 10% although the library gives the chronic body thirteen reports, because SY-05 places most of it below the line and sends it to the website. The budget is the lever against the pitfall that a book by condition becomes a reference book.

1.10 The chapters to write last

Six pieces integrate the whole library and cannot be written until the chapters they summarise are stable.

1. **How to use this book.** It promises what the chapters deliver.
2. **The wall card.** It must point to pages that exist and must be drilled (OR-09, Protocol C).
3. **The clock cards.** Each condenses a chapter's bench protocol to one page.
4. **The never list and the black boxes.** SY-10's 12-item never list and 11-item one-person-only list point to rows that must be checked in VERIFICATIONS before print.
5. **Chapter 35, the shelf.** Every drug named anywhere must appear on it, with its dose ceiling and its place in stewardship.
6. **Chapter 39, the register and the correction of this book.** It closes the book by telling the reader how to find its errors.

Before any of these, SY-12's R2-01 must settle the disputed doses and alarm lines, because its answers change protocols in at least eight reports (SY-12). Chapter 34, the end, should also come late. It is where the book's three branches meet the case where no help comes.

1.11 Where the library disagrees about order

The syntheses agree that prevention, danger signs and the child come early, and that surgery and the materia medica go to the back or the website. They differ in seven places.

1. **SY-05 against OR-01 on what comes first.** SY-05 puts the clean hand and the count first and the clock cards second. OR-01 says hygiene and danger signs first, treatment second, procedures last (THRIVING library, OR-01). On OR-01's rule the tourniquet and bimanual compression, which are procedures, would not sit on cards at the front. SY-05's override puts them there [OWNER].

2. **SY-07 against SY-05 on the front card.** SY-07 leads its card with children's fever and diarrhoea, for frequency. SY-05's clock cards lead with bleeding. Both can stand if the wall card and the clock cards are separate pages, as proposed in 1.4.
3. **FO-06 against any order by condition.** FO-06 asks for entry by what the reader sees. A book ordered by weight still names conditions in its chapter titles. The index by sign and the wall card are the compromise.
4. **SY-06 against SY-05 on the plant matter.** SY-06 orders its pharmacopoeia by climate zone, and notes that SY-05's ranking may change the order of its tables. SY-05 sends the full materia medica to the website. The proposal here keeps zone tables on the website and puts each tested remedy in its condition's chapter.
5. **SY-09 against SY-05 on time.** SY-09 orders by dependency in time: water, latrine, handwashing, soap, sick-room and the register in the first month, the garden in the first season, the still in the first year. SY-05 orders by lives per hour. The proposal uses SY-09 for the front part on the first year and for teaching.
6. **SY-01 against WO-01 and SY-10 on whether the tourniquet is taught at all.** SY-01 places it on its refuse-to-teach list. WO-01 and SY-05 teach it, and SY-10 records the disagreement [OWNER]. This decides whether one of the five clock cards exists.
7. **SY-01 against SY-10 on injection below the district.** SY-01 says never. SY-10 records two intramuscular exceptions [OWNER].

1.12 Where the library is thin

The library is thinner than it looks. Its length hides five kinds of thinness.

Thin reading. About 4,600 notes say a source was read only as an abstract, a secondary account or a search summary, across about 150 of the reports [VERIFY: grep count]. The regional pharmacopoeias and several clinical reports carry the most [VERIFY] marks: PH-06 (84), PH-04 (76), IN-10 (74), OR-02 (73), CH-09 (71), IN-04 (70), FO-11 (67) and HY-06 (66). Two of the book's high-weight chapters, sepsis (6) and tuberculosis (17), rest on the most marked reports.

Thin numbers at the base of the order. SY-05's ranking divides lives by training hours, but SY-12 finds that the library cannot say how many hours make any village skill safe. The order of Parts Two to Five is only as firm as those estimates.

No outcome study for any manual. FO-06 found no field trial showing that WTND or any lay manual changes deaths. The structure is built on design evidence (OR-09) and expert reasoning, not on outcome evidence.

Topics with almost no coverage. SY-12 finds no report on transfusion, anti-D, meningitis, postpartum psychosis, the surgical belly or the healer's own care, and no coverage of Central Asia, the arid zone or the cold continental interior. By my own searches, no report covers intimate partner or domestic violence, and sexual violence appears only in reports on trauma and the mind (MI-01, MI-03, MI-08, MI-10, TR-10, TR-12). Learning disability does not appear. Child abuse appears in 2 reports, cerebral palsy in 1 and sickle cell disease in 6. A village of 300 will meet all of these. SY-12 sets out the library's own gaps in full (THRIVING library, SY-12). Chapters 13, 30 and 31 are where they would go, and the second round of research must fill them before those chapters are written.

Nothing on the website. Only SY-05 mentions it.

Contradictions. SY-12 counts 27. It settles seven by arithmetic or by one side's own text, and reads the opioid lines of 12, 10 and 8 breaths as three actions rather than rival thresholds. It leaves seven dose or alarm lines for a settlement task, R2-01, to decide from primary sources before any chapter is drafted, and four village rules for the owner: foxglove, tourniquets, restraint and the opioid ladder [OWNER]. It names ME-06's infant paracetamol card pointing to aspirin as the most dangerous single error. Its second round is 13 briefs of about 130,000 words. The series numbering (1.5) adds one more. The book cannot print a protocol whose number is in dispute, so the drafting order is fixed by these: R2-01 first, then the chapters whose protocols it touches.

2. Evidence grades

The grades here are for the claims this structure rests on, not for treatments.

Claim	Tradition says	Record shows	Modern inference	Grade
Order by lives per training hour (SY-05)	Manuals ordered by organ or by the physician's interest (FO-06)	Gadchiroli and Bongaon show what a few taught acts can do (IN-03, HY-03)	Training hours estimated, not measured	C
Danger signs as the spine (FO-06, SY-07)	WTND's 21 signs	IMCI and the young-infant signs validated as screens (MA-07)	Card use not tested after a Fall	B
Pictures linked to words, tested locally (OR-09)	Werner's pencil sketches	12 of 23 against 2 of 23 met 85%	Applies to this readership	B
Teaching by household visit (OR-09)	Word of mouth	BRAC: 85.5 to 91.6% learned from the worker, under 1% from posters or radio	Transfers to a village	B
Separating durable from dated content (FO-06)	Buchan's notes of corrections	WTND audit: prevention 96 to 100% right, treatment current in 62%	Applies	B
A manual saves lives	Popularity of Buchan, Gunn, WTND	No outcome study found (FO-06)	Plausible only	D
The clock as governing metaphor	None	None	My proposal	D

3. Means ledger

How the book itself is made and used at each rung. SY-08 gives the medical ledger in full.

Rung	What the structure gives it
Hands	The wall card, the clock cards, the breath count, pressure, warmth, the household visit. Usable by a non-reader with a child reader (OR-09)
Hearth	Boiling, ORS, the pressure cooker, the sickroom. Parts One, Two and Four
Garden and still	Chapter 36 and the tested remedies in each chapter, graded per preparation. FEASTING holds the still (ME-03)

Rung	What the structure gives it
Village dispensary (300)	The shelf (chapter 35), the bench protocols with weight-band doses, the register, the healer pair trained in OR-01's order
District infirmary (3,000)	Chapter 25 and the district manual on the website. The may-attempt and must-refuse lists (SY-07)
Hospital reference	One line per protocol on what only a hospital could do, so the reader knows what is lost and does not blame themselves (SY-03, SY-07)

4. Harm test

How a structure can kill:

- **The emergency in the wrong place.** If bleeding after birth sits in a part the reader has not reached, the mother bleeds while the page is found. Remedy: the clock cards at the front, drilled (OR-09, Protocol F).
- **A grade read as a promise.** SY-06 warns that a table makes a D plant look as solid as an A. Remedy: harm before benefit and grade per preparation (SY-02).
- **Dated drug pages left in use.** WTND's audit found treatment advice that had aged (FO-06). Remedy: replaceable dated pages and the corrections log.
- **Dosing by age.** FO-06 records the risk where about 28% of under-fives are stunted. Remedy: weight bands, the age column only "if no scale" [OWNER].
- **Warning fatigue.** Too many black boxes and none is read. Remedy: SY-10's weights, one black box per chapter at most.
- **The silence where the library is thin.** A missing chapter on violence or disability reads as "nothing to do". Remedy: say so on the page and fill it in the second round (SY-12).
- **Restricted knowledge printed.** Remedy: SY-04's rule.

5. Red flags

For the book, not the patient. Stop and revise the structure if:

- A drill shows a reader cannot find the wall card's page within one minute (OR-09).
- Any protocol cites a SY-10 row still OPEN in VERIFICATIONS at the time of print.
- A bench protocol needs a rung the chapter has not named.
- A picture fails Protocol A on any opposite reading.
- A chapter's word count exceeds its budget by more than a fifth [VERIFY: my threshold].
- A dose appears in two places with two numbers.

6. The case against, with named critics

Werner. Werner's own lesson, as FO-06 and OR-09 report it, is that a general edition loses usefulness and must be adapted locally, and that a manual used as a recipe book can do more harm than good. One book for three climates and every village is the general edition. Answer: the zone tables on the website and OR-09's Protocol G for local copying and translation, with a district editorial group of two or three.

Babu and Eisenberg. Their audit of WTND found even the best manual out of date on treatment within a generation (FO-06). Any structure prints the consensus of 2026 into a world that cannot check it. Answer: dated drug pages and the register.

King. "Referral is mostly a myth", quoted in FO-06. A book that still says "send to the district" assumes the district can help, as SY-07 warns. Answer: the three branches for every danger sign.

Horneland, and the seafarers' surveys. Guides by disease name fail. A book by weight still has disease names in its chapters (FO-06). Answer: the index by sign.

McKeown and Illich. SY-03 carries their critique: most of the fall in mortality came from food, water and housing, and medicine harms. On that view the book should be mostly Part Four. Answer: Part Four takes 14% and the village's defences run through every part, but the child with pneumonia still dies without amoxicillin.

The objection from frequency. SY-07 notes that a card built for rare events crowds out the common one. The clock cards are for rare events. Answer: two separate pages.

My own objection. A hybrid structure takes more editing than any of the pure ones, and the library has not tested it on a single reader.

7. 10-line summary

1. The library supports an order by weight and clock (SY-05) better than an order by condition, rung or season.
2. The means ladder belongs inside every chapter, not as the book's outer order.
3. The year (SY-09) becomes the front part on setting up and the teaching calendar.
4. Proposed: nine parts and 39 chapters, from the clean hand to the correction of the book.
5. The governing metaphor proposed here is the clock and the ladder. It is mine, not the library's [OWNER].
6. About 40 bench protocols already exist in draft in the library's reports.
7. The website takes the full pharmacopoeia, regional tables, calculators, the harm register, the corrections log and the district manual.
8. The pictures are ten lookalike plates, splints, manoeuvres and measures, each tested on 20 readers.
9. A budget of about 160,000 words puts 65% in the first five parts [OWNER].
10. The library is thinner than it looks: abstract-heavy, untested as a manual, and silent on violence and disability.

8. Open questions

- Is the tourniquet taught, and so is there a fifth clock card? [OWNER]
- Does FO-01 open the book or close it?
- Is the series numbering Book Two, Three or Four for FEASTING and GOVERNING? [OWNER]
- Is the age column printed at all? [OWNER]
- What is the website for: the time before the Fall, a living reference, or both? No library report says.
- Will the book be tested on readers before print, as OR-09 asks, and by whom?
- Which chapters must wait for the second round named by SY-12?

9. Sources to read in full

1. SY-05, section 7 and its means ledger, for the order.
2. FO-06, for the genre and its fifteen design rules.
3. OR-09, for Protocols A to G.
4. SY-07, for the wall card.
5. SY-10, for warning weights, the never list and VERIFICATIONS.
6. SY-09, for the first year.
7. SY-12, before any chapter in a thin area is commissioned.
8. Werner and colleagues, Where There Is No Doctor, revised edition, the chapter on danger signs, read in the original rather than through FO-06 [VERIFY].

10. At the bedside after the Fall

How the book itself is used.

Household. *Minimum version:* the wall card and the five clock cards, pinned up, with one adult and one child reader who have been shown them on a household visit (OR-09, Protocol E). *Needs to start:* the printed cards and a 20 to 25 minute visit. *First failure to expect:* the card is put away in a drawer and nobody can find it on the night.

Village of 300. *Minimum version:* two copies of the book with the healer pair, Parts One to Five drilled in the order of OR-01, the register kept from day one (SY-09). *Needs to start:* a printed book, the shelf counted, a monthly drill. *First failure to expect:* the healers use the book as a recipe book and skip the danger signs (FO-06, Werner).

District of 3,000. *Minimum version:* the book, the district manual printed from the website, the corrections log and a district editorial group of two or three (OR-09, Protocol G). *Needs to start:* a printer or a copyist, and someone who audits the book yearly. *First failure to expect:* corrections are made in one village's copy and never reach the others.

11. Protocols

Protocol 1. Writing a chapter to the anatomy

- ☐ Title and clock line: how fast this kills, and the first act.
- ☐ Opening: one scene, under 300 words.
- ☐ Story: one named person or place from the library, under 800 words, numbers included.
- ☐ Bench protocols: each one page, see, do, when to send, prevent. Never line at the head. Rung ladder from hands to hospital.
- ☐ Three branches for every danger sign: help in time, too late, none.
- ☐ Doses by weight band, digits only, sentences under 20 words.
- ☐ Numbers to carry: 5 to 10.
- ☐ Library: the IDs and grades, per preparation.
- ☐ Word count within 20% of the budget.

Protocol 2. Adding a protocol to the bench register

- ☐ Give it a stable number by part and position. Never reuse a retired number.
- ☐ Link every safety claim to a SY-10 row.
- ☐ Check every row in VERIFICATIONS: OPEN, CONFIRMED, AMENDED or DROPPED. Print only CONFIRMED or AMENDED.
- ☐ Test it on a reader of the target group, read-do, against a clock.

Protocol 3. Testing a picture (after OR-09, Protocol A)

- ☐ Show it to at least 20 people from the readership, without the words.
- ☐ Accept at 67% correct for an ordinary picture, 85% for a danger sign, dose or "do not".
- ☐ Reject on any opposite reading, whatever the percentage.
- ☐ Redraw with local faces, clothes and objects, and test again.

Protocol 4. Book or website

- ☐ Is it on SY-05's top twenty or a clock card? Book.
- ☐ Is it needed by a household or the village healer within a day? Book.
- ☐ Is it regional, district-only, or a long table? Website, with a pointer in the book.
- ☐ Does it date fast (drugs, doses)? Book on a replaceable dated page, master on the website.

Protocol 5. The correction cycle

- ☐ Every report of an error goes in the log with date, page and source.
- ☐ The district editorial group reviews the log every 3 months [VERIFY: my interval].
- ☐ Each correction is printed as a dated slip with the page number.
- ☐ Once a year, an outside reader audits one part, as Babu and Eisenberg audited WTND.

12. Numbers to carry

1. 162 reports, about 1.72 million words, 4,961 [VERIFY] marks: the book prints under a tenth.
2. 20 interventions on SY-05's ledger, the top three at 8 to 9.5 hours of training per life saved in the tropics.
3. 6 patterns on the red-flag card, 9 signs at most, found in under a minute.
4. 58 rows in the harm register, 12 on the never list, 10 lookalike plates.
5. 20 readers per picture test, 67% and 85% to pass.
6. Sentences under 20 words, lines under about 60 letters, type at least 12 point.
7. 96 to 100% of WTND's prevention advice correct, against 62% currency for its treatment in the Prevention sections.
8. 39 chapters in nine parts, about 160,000 words, about 40 core bench protocols [OWNER].

References

Library reports are cited by ID and were read in the THRIVING library (W/h/out). Outside works below were read only through the library report named.

1. THRIVING library, FO-01. What people die of when the system fails: mortality after collapse, siege and sanction.
2. THRIVING library, FO-06. The manuals that worked: Where There Is No Doctor, the Ship Captain's Medical Guide, military and mission manuals.
3. THRIVING library, OR-01. The village health worker's curriculum: what to teach in 300 hours.
4. THRIVING library, OR-08. Health as a commons: paying the healer, deciding the rules and the capture of care.
5. THRIVING library, OR-09. Teaching the book: readability, pictures and the design of a manual for people who read little.
6. THRIVING library, HY-05. Making soap, lye and disinfectants from ash, fat, salt and sun.
7. THRIVING library, ME-03. Ethanol for the dispensary: fermenting and distilling spirit for tinctures, antiseptics and anaesthetics.
8. THRIVING library, MA-02. Bleeding after birth: the leading killer and every tool against it.
9. THRIVING library, MA-05. The newborn: breathing, warmth, cord, feeding and infection.
10. THRIVING library, IN-11. Cholera, typhoid and dysentery: outbreak control and case management.
11. THRIVING library, WO-01. Stopping the bleeding: pressure, tourniquets, packing and haemostatic plants.
12. THRIVING library, WO-06. Dislocations and sprains: reduction techniques through the ages.
13. THRIVING library, WO-08. The abdomen: when to open, when to wait.
14. THRIVING library, SY-01. The case against lay medicine: how amateurs kill, and whether manuals help.
15. THRIVING library, SY-02. The case against herbalism: what the systematic reviews say, and the harms.
16. THRIVING library, SY-03. The case against allopathy: iatrogenesis, overtreatment and the McKeown thesis.
17. THRIVING library, SY-04. The romance of the indigenous and the ethics of taking: appropriation, consent and the noble-healer trope.
18. THRIVING library, SY-05. The twenty interventions that save the most lives per hour of training: a ranked ledger.

19. THRIVING library, SY-06. The pharmacopoeia: the fifty plants and twenty minerals the book should carry, by climate zone, with evidence grades.
20. THRIVING library, SY-07. The red-flag list: signs that need what the village cannot give, and what to do anyway.
21. THRIVING library, SY-08. The means ledger: what is possible with hands, hearth, garden and still, dispensary and infirmary.
22. THRIVING library, SY-09. The salvage list and the first year: a bootstrap sequence for a household and a village.
23. THRIVING library, SY-10. The harm register: every intervention in the library ranked by how it kills when done wrong.
24. THRIVING library, SY-12. What the library could not find: gaps, contradictions and the second round.
25. Werner D, Thuman C, Maxwell J. Where There Is No Doctor: a village health care handbook. Revised edition 2020. Hesperian Health Guides, Berkeley. https://hesperian.org/wp-content/uploads/pdf/en_wtnd_2020/en_wtnd_2020_03.pdf (not read here, known through FO-06 and SY-07).
26. THRIVING library, the other reports cited by ID in sections 1.4 to 1.6 and elsewhere, read through their titles and 10-line summaries, and in part through searches of their text: CH-01, CH-02, CH-03, CH-04, CH-05, CH-06, CH-07, CH-08, CH-09, CH-10, CH-11, CH-12, CH-13, FO-02, FO-03, FO-04, FO-05, FO-07, FO-08, FO-09, FO-10, FO-11, HY-01, HY-02, HY-03, HY-04, HY-06, HY-07, HY-08, HY-09, HY-10, HY-11, HY-12, IN-01, IN-02, IN-03, IN-04, IN-05, IN-06, IN-07, IN-08, IN-09, IN-10, IN-12, IN-13, IN-14, IN-15, IN-16, MA-01, MA-03, MA-04, MA-06, MA-07, MA-08, MA-09, MA-10, MA-11, ME-01, ME-02, ME-04, ME-05, ME-06, ME-07, ME-08, ME-09, ME-10, ME-11, ME-12, ME-13, ME-14, MI-01, MI-02, MI-03, MI-04, MI-05, MI-06, MI-07, MI-08, MI-09, MI-10, MI-11, MI-12, MI-13, NU-01, NU-02, NU-03, NU-04, NU-05, NU-06, NU-07, NU-08, NU-09, OR-02, OR-03, OR-04, OR-05, OR-06, OR-07, OR-10, PH-01, PH-02, PH-03, PH-04, PH-05, PH-06, PH-07, PH-08, PH-09, PH-10, TR-01, TR-02, TR-03, TR-04, TR-05, TR-06, TR-07, TR-08, TR-09, TR-10, TR-11, TR-12, TR-13, TR-14, TR-15, TR-16, WO-02, WO-03, WO-04, WO-05, WO-07, WO-09, WO-10, WO-11, WO-12, WO-13, WO-14, WO-15, WO-16. Full titles are in the library's index of IDs.