**🎬 Storyboard Script: “Dose & Vial Optimizer – How It Works”**

**Version:** v1.0  
**Duration:** ~1 min 45 sec  
**Tone:** Clear, educational, confident, clinical (non-promotional)  
**Visual Style:** Clean white background, light GSK-orange accents, soft geometric icons, minimal animation.

**Scene 1 — Opening (0:00–0:10)**

**Narration (voice):**

Every patient is different — but when it comes to dosing, accuracy matters.  
The Dose & Vial Optimizer helps healthcare professionals calculate the right combination of vials with minimal waste.

**Visuals:**

* Fade-in: GSK logo color palette (white + orange).
* Animated scale or silhouette representing weight variability.
* Subtle text: “Precision dosing. Simplified.”

**Scene 2 — Input Section (0:10–0:30)**

**Narration:**

To begin, enter the patient’s weight and select the prescribed regimen — either **2.5 mg/kg** for the starting dose, or **1.9 mg/kg** for the reduced regimen.  
The optimizer automatically rounds the required dose **up** to the nearest milligram to ensure no underdosing.

**Visuals:**

* UI mock-up animation: weight field filled in, radio buttons toggled.
* Equation fades in:

R=⌈W×d⌉R = \lceil W \times d \rceilR=⌈W×d⌉

Caption: *Required dose = rounded-up product of weight and dose regimen.*

**Scene 3 — Logic Core (0:30–0:55)**

**Narration:**

The tool then checks every possible combination of **70 mg** and **100 mg** vials — up to the maximum allowed — and filters out any that don’t meet the total dose required.  
Each valid combination is tested for total dose and leftover quantity, or **waste**.

**Visuals:**

* Animated grid of combinations (x and y values).
* Equation:

70x+100y≥R70x + 100y \geq R70x+100y≥R Waste=(70x+100y)−R\text{Waste} = (70x + 100y) - RWaste=(70x+100y)−R

* Highlighted row showing one valid combination lighting up as “Optimal.”

**Scene 4 — Optimization & Ranking (0:55–1:15)**

**Narration:**

Once all combinations are calculated, the optimizer ranks them.  
The **best option** is the one with the **least waste** — and if there’s a tie, it chooses the **fewest vials** possible.

**Visuals:**

* Sorting animation: list reorders itself; a green check appears on “Min Waste” option.
* Callouts:
  + “1️⃣ Least waste”
  + “2️⃣ Fewest vials”
  + “3️⃣ Lowest total dose (if tied)”

**Scene 5 — Results Display (1:15–1:35)**

**Narration:**

The optimizer displays up to four options:  
the best combination, all-70 vials, all-100 vials, and the next best mixed combination.  
The recommendation section highlights the optimal mix for your entry.

**Visuals:**

* UI mock-up: four rows animate into view.
* Best option row glows or bolds.
* Text appears:

*“Min waste option → 2 × 100 mg + 1 × 70 mg”*

**Scene 6 — Safeguards & Disclaimer (1:35–1:50)**

**Narration:**

The logic ensures **no underdosing**, assumes **single-patient use**, and aligns with label guidance and local policy.  
Designed for clinical use — and built for confidence.

**Visuals:**

* Checkmark icons: “No underdosing” / “Single-patient use.”
* Subtle animation of a clipboard or compliance tick.
* Fade-in text: *“Verify calculations against the product label.”*

**Scene 7 — Closing (1:50–2:00)**

**Narration:**

The Dose & Vial Optimizer — making precision simple, and efficiency measurable.

**Visuals:**

* Fade to orange-white background.
* Subtle tagline: *“Optimize with confidence.”*
* End with team attribution: “Digital Innovation | GSK Australia.”

**🎨 Visual Theme References**

| **Element** | **Style** |
| --- | --- |
| **Background** | White with thin grey separators |
| **Typography** | GSK Sans or Lato; dark grey headings; orange highlights |
| **Color palette** | White #ffffff, Orange #ff6a00, Dark Red #7d0000, Muted Grey #6b6b6b |
| **Motion** | Slow fade-in/out, slide transitions for data tables, animated equations |

**💬 Voice & Tone Guidelines**

* Calm, factual, and confident (avoid promotional tone).
* Ideal voiceover length: ~200 words total (~90–100 seconds).
* Maintain neutrality — this is a *process explainer*, not a brand advertisement.

**🧩 NotebookLM / AI Video Input Tips**

When uploading to NotebookLM:

* Provide this **script** as the primary narrative document.
* Add the **HTML snippet** of the calculator for visual context (NotebookLM will auto-pull UI screenshots).
* Add the **1-pager logic summary** (previous doc) as supporting context.
* Use prompts like:

“Generate a 90-second explainer video using this script. Keep visuals aligned with GSK’s clean clinical aesthetic. Include animated equations and subtle UI motion.”