**Austratics Homecare — Find providers fast (Home page)**

Audience: business users & data analysts in Australian aged care.  
Goal: **Search by text, get smart location-enhanced matches, and read the live result summary**—quickly and confidently.

**How to do it (step-by-step)**

1. **Open the Homecare page and place your cursor in the search bar.** Results show only after you search (the page initially loads with an informative empty state).
2. **Type what you know.** The text search matches across:
   * **Provider name**, **services offered**, **specialized care**, **service area**, **locality**, **state**, **postcode**, and the provider **summary**.
3. **Pause briefly (~0.3s).** The search is **debounced**—it waits about 300ms after you stop typing before running, reducing flicker and extra work.
4. **Let the hybrid logic help:**
   * It **always runs text search first**. If it finds matches, it takes the **first match’s coordinates** to **enhance** results in a ~20km radius (“text-enhanced”).
   * If **no text matches** exist, it falls back to **resolving your text as a place** and shows providers within ~20km of that location (“location fallback”).
5. **Read the live result summary under the search.** It tells you how many results you’re seeing and the context (e.g., total available, within a region, or matching a term). Four messages are possible depending on whether you have a search term and/or an SA2 region filter selected.
6. **Restore a past search (optional).** Use the **History** panel on the left to click a recent search and instantly bring back its term (and stored filters if they were saved with it).

**Tip**: Add a saved **SA2 region** filter first if you want to narrow by specific postcodes/localities, then type a search term to match within that region. The summary will state both the region and your term.

**Behavioral notes (what the UI does)**

* **Initial state & loading**  
  The page loads the full dataset client-side and starts with **no results until you search (or apply an SA2 region)**. It tracks a loading flag while fetching data.
* **Text fields included in matching**  
  Matching checks **name, services, specialized care, service area, address (locality/state/postcode), and summary**.
* **Hybrid “text-first, location-enhanced”**
  1. Do text search. 2) If matches exist, use the **first match** coordinates to add nearby providers (prioritizing text matches first in the list). 3) If no matches, geocode your term and show nearby providers. Results **prioritize text matches** before unique nearby additions.
* **Debounce**  
  Search resolution runs **~300ms** after typing stops.
* **Radius / distance**  
  Default search radius ≈ **20 km** (searchRadius default 0.18) and uses distance utilities to filter/sort nearby providers.
* **Result summary messages**  
  The line beneath the search shows counts/context for:  
  *no term + no SA2*, *SA2 only*, *SA2 + term*, or *term only*.
* **History**  
  The left **History** panel lists **Recent Searches**. Clicking one restores it (and will show its recorded filters badge chips in the panel item itself).

**FAQ**

1. **What can I search by?**  
   Name, **services offered**, **specialized care**, **service area**, **locality**, **state**, **postcode**, and **summary** are all matched.
2. **How fast do results update?**  
   After you stop typing, the search waits about **300ms** before running (debounced).
3. **What does “location-enhanced” mean?**  
   If text matches exist, the app takes the **first text result’s coordinates** to include nearby providers within ~20km; if none exist, it **resolves the term as a place** and shows providers nearby.
4. **Why do text matches appear before nearby-only matches?**  
   The combined list **prioritizes text matches first**, then adds unique nearby results.
5. **How is “nearby” decided?**  
   It filters within the default radius (~20km) and uses distance utilities to **sort by proximity**.
6. **Where do I see counts/context?**  
   The **summary line** below the search explains what you’re viewing (e.g., “Showing X of Y…”, “…matching ‘term’”, “…in ‘SA2 region’”).
7. **Can I limit by a saved SA2 region first?**  
   Yes. Pick a saved **SA2 region** and then add a term; the summary reflects both the region and the term.
8. **What happens if there are zero matches?**  
   You’ll see a **“No providers found”** state with a **Clear Search** button that resets the term and filters.
9. **How do I bring back a previous search quickly?**  
   Open the **History** panel on the left and click a **Recent Search** entry to restore it.
10. **Does the page use my typed term to set a location even without matches?**  
    Yes—if there are **no text matches**, it tries to **resolve your term to a location** and shows nearby providers.
11. **Can a URL prefill my search?**  
    Yes—URL params (e.g., sa2 or address) **populate the search bar** on first load.

**Troubleshooting**

* **“No providers found.”**  
  Click **Clear Search** to reset term and filters; then try broader words (name, service, or locality).
* **Results show an area I didn’t type.**  
  If your term matched providers, the app may have used the **first match’s coordinates** for nearby enhancement. Refine your term (e.g., add the suburb/state) or apply a saved SA2 region first.
* **Counts look “off” with a region.**  
  When an **SA2 region** is active, the summary clarifies you’re looking at matches **within that region** (and how many of the total that is).
* **Search feels slow.**  
  Remember the **300ms debounce**; give it a moment after typing. The page also loads the dataset client-side before showing results.
* **My past search isn’t in History.**  
  Use the **History** panel’s Recent Searches. If a search wasn’t stored, run it again and proceed to interact (e.g., open details or save a provider) so it records with context and result count.

**Quick reference checklist**

* Type a term in the search bar (name/service/locality/state/postcode/summary).
* Pause ~300ms to let the debounced hybrid search run.
* Read the summary line for counts and context (term-only, SA2-only, both).
* Optionally select a saved SA2 region to narrow before/after typing.
* Use the **History** panel to restore a recent search instantly.

**Open questions for PM/Eng**

* **Filter sidebar entry point on Home page.** The FilterSidebar component supports a right-side drawer with **active count** and **Clear All**, but the Home page section provided here doesn’t show the button or state wiring to open it; confirm the intended trigger/control location on the Home page. Related code: FilterSidebar drawer header + active count/clear logic.
* **When exactly to persist searches.** The code shows a robust History panel and helpers; confirm whether plain typing should automatically record searches, or only after user interactions (e.g., opening details/saving) to store counts/context. Related: History panel UI + search history handling.

**Refine results with filters**

Use the **Filter Providers** drawer to narrow your list by package levels, org type, services, compliance, specialised care, and cost range.

**Open/close the Filter Providers drawer**

1. **Open the drawer.** The sidebar component renders when isVisible is true and expects the parent to provide onClose and onFiltersChange handlers. The specific “open” trigger isn’t defined in the Home page code—see **Open questions** below.
2. **Close the drawer.**
   * Click the **X** in the header (calls onClose).
   * Or click the **background overlay**; it also calls onClose.

**Note:** The drawer mounts only when isVisible is true and returns null otherwise.

**See your active filter count at a glance**

* A **blue badge** appears next to **Filter Providers** when there’s at least one active filter. The count is derived from non-empty values in the HomecareFilters object (arrays with items, defined scalars, or objects with keys).
* A **Clear All** link is shown in the header **only** when there are active filters; it calls the supplied onClearFilters.

**Tip:** Because the count is computed from the filters object, toggling any checkbox or input updates the count instantly via onFiltersChange.

**Available filters**

All filters live inside the drawer and write to the HomecareFilters object via onFiltersChange.

**Care Package Levels**

* Checkboxes: **Level 1, Level 2, Level 3, Level 4**.

**Organization Type**

* Checkboxes: **for-profit, not-for-profit, government, other**.

**Services Offered**

* Scrollable checkbox list including: **personal care, nursing, cleaning, meal preparation, transport, physiotherapy, occupational therapy, social support, respite care**.

**Compliance Status**

* Checkboxes: **No current issues, Minor issues, Major issues, Under review**.

**Specialized Care**

* Scrollable checkbox list including: **Dementia care, Disability support, Mental health support, Palliative care, Complex care needs, Cultural specific care, LGBTI+ friendly, Rural/remote services**.

**Cost Range (Fortnightly)**

* **Minimum Cost ($)** and **Maximum Cost ($)** number inputs (step 10).
* **Cost Type** dropdown: **All cost types**, **Care Management**, **Package Management**, **Personal Care**, **Nursing**, **Cleaning**.

**Warning:** The sidebar only updates the HomecareFilters state; the Home page currently does **not** apply these filters to the result list (search & SA2 filters are applied; feature wiring for these UI filters is pending).

**History awareness (filters + searches)**

* When you perform user actions that save search history, the current filters are included with the saved entry.
* In the **History** panel, saved searches can show **badges** for applied filters (e.g., package levels, organization types).

**FAQ**

**How do I open the Filter Providers drawer?**  
The drawer renders when isVisible is true, but the Home page doesn’t expose an “Open Filters” button yet; enabling it requires a parent trigger to toggle isVisible.

**How do I close it?**  
Click **X** in the header or click the **overlay**; both call onClose.

**Where do I see how many filters are active?**  
A **blue badge** next to “Filter Providers” shows the active count; it appears only when >0.

**What does “Clear All” do?**  
Runs onClearFilters, resetting the filter object; shown only when there are active filters.

**What package levels can I filter by?**  
Levels **1–4**.

**Which organization types are available?**  
**for-profit, not-for-profit, government, other**.

**What services can I filter on?**  
Includes **personal care, nursing, cleaning, meal preparation, transport, physiotherapy, occupational therapy, social support, respite care**.

**What compliance statuses are supported?**  
**No current issues, Minor issues, Major issues, Under review**.

**What specialised care options exist?**  
**Dementia care, Disability support, Mental health support, Palliative care, Complex care needs, Cultural specific care, LGBTI+ friendly, Rural/remote services**.

**How does Cost Range work?**  
Set **Min/Max ($)** and optionally a **Cost Type** (Care/Package Management, Personal Care, Nursing, Cleaning).

**Do these filters change the result list right now?**  
Not yet. The Home page maintains filters and saves them to history, but it doesn’t apply them to provider results at this time.

**Will my saved searches show which filters I used?**  
Yes—**History** shows badges for some applied filters (e.g., package levels, org types) on saved searches.

**Troubleshooting**

**I changed filters but results didn’t change.**  
That’s expected with the current wiring: the drawer updates HomecareFilters, but results filtering by these fields isn’t implemented on the Home page yet.

**The drawer won’t open.**  
Check that the parent sets isVisible to true and provides onClose/onFiltersChange. There’s no built-in “open” button in the Home page code.

**I clicked outside and the drawer closed.**  
That’s by design—the overlay triggers onClose.

**“Clear All” isn’t visible.**  
It appears only when at least one filter is active (active count > 0).

**Open questions for PM/Eng**

1. **Open trigger location & label.** There’s no filter-open control in the Home page; confirm where/how users open the drawer (header button? results toolbar?). Parent must toggle isVisible.
2. **Apply filters to results.** The page keeps filters and saves them to history, but doesn’t apply them to filteredProviders. Confirm the intended filtering logic and fields.
3. **Default filter persistence.** Should filters persist between sessions or reset on load? Current code doesn’t persist filters (only logs them in search history).

**Filter by saved service regions (SA2)**

Use your **Saved SA2 Regions** to instantly narrow the list to providers that serve those ABS SA2 areas, jump to **Insights**, and clear the filter when you’re done.

**Steps**

1. **Open the SA2 filter**
   * Click the **SA2 Regions (N)** button next to the search bar. The button is **disabled** if you don’t have any saved SA2 regions; its tooltip shows **“No saved SA2 regions available.”** (/mnt/data/page.tsx: L9–21, L27–28)
   * If a region is currently applied, the button shows its name and an **X** control to clear it (title: **“Clear SA2 filter”**). (/mnt/data/page.tsx: L24–39)
2. **Pick from Saved SA2 Regions**
   * When open, the dropdown header reads **“Saved SA2 Regions”** with the subtext **“Filter providers by saved ABS SA2 regions.”** (/mnt/data/page.tsx: L43–50)
   * Click any listed region to apply it; this **sets the SA2 filter, closes the dropdown, and clears the search bar** so results reflect only the region. (/mnt/data/page.tsx: L62–66; L58–64)
   * After applying, the status line confirms **“🗺️ Filtering by SA2 region: …”** and offers a **Clear filter** link. (/mnt/data/page.tsx: L59–67)
3. **Jump to Insights (optional)**
   * In the dropdown header, use the external-link icon (title: **“Go to Insights page”**) to go to **/insights**. (/mnt/data/page.tsx: L51–59; L81–83)
4. **Clear the SA2 filter**
   * Either click the **X** on the SA2 button (title: **“Clear SA2 filter”**) or click **Clear filter** in the status line. (/mnt/data/page.tsx: L29–39; L59–67)
   * Clearing removes the sa2 URL parameter and resets the search bar. (/mnt/data/page.tsx: L66–73)

**What happens under the hood (behavior)**

* **Filtering logic.** When a Saved SA2 is applied, providers are filtered by **postcode or locality** matches from the SA2’s saved postcode\_data. (/mnt/data/page.tsx: L13–27)
* **No term + no SA2 → no results list.** The grid shows only after you either type a search term or apply an SA2. (/mnt/data/page.tsx: L37–42; L58–66, L70–74)
* **Saved SA2s are loaded per user** at page load; if loading fails, an error flag is set (UI for that isn’t specified here). (/mnt/data/page.tsx: L45–52)

**Notes & tips**

* **Note — Disabled state.** The **SA2 Regions (N)** button is disabled when savedSA2Regions.length === 0, with tooltip **“No saved SA2 regions available.”** (/mnt/data/page.tsx: L20–22)
* **Tip — Two ways to clear.** Use the **X** on the button or **Clear filter** in the green status line. (/mnt/data/page.tsx: L29–39; L59–67)

**Troubleshooting**

* **I don’t see the SA2 dropdown.** You must have at least one saved SA2 region; otherwise the button is disabled and won’t open the list. (/mnt/data/page.tsx: L20–21, L75–78)
* **After applying SA2, my typed search disappeared.** That’s by design: applying an SA2 **clears the search bar** to avoid mixing contexts. (/mnt/data/page.tsx: L60–64)
* **No providers after applying SA2.** The filter uses **postcode/locality** membership of that SA2; if none match, the list can be empty. Try **Clear filter** and pick a different SA2. (/mnt/data/page.tsx: L13–27; L59–67)
* **Insights link doesn’t open the list.** The external-link button in the SA2 dropdown sends you to **/insights**; it doesn’t change filters on this page. (/mnt/data/page.tsx: L51–59; L81–83)

**Quick reference**

* Open **SA2 Regions (N)** → choose a saved region. (/mnt/data/page.tsx: L9–18, L62–66)
* Optional: use the external-link icon to go to **/insights**. (/mnt/data/page.tsx: L51–59; L81–83)
* Clear with the **X** on the button or **Clear filter** in the status line. (/mnt/data/page.tsx: L29–39; L59–67)

**Save and manage a shortlist of providers**

This guide shows how to **save/unsave providers**, open the **Saved (n)** menu to **view, remove, Clear All**, and open **View Saved Providers**—all from the **Homecare Home page UI**. Behind the scenes, saving uses Supabase-backed helpers imported and called in the page code. (/mnt/data/page.tsx)

**Steps**

**1) Save or unsave from the results list**

1. In any provider card, click the **Save** icon button (right side of the card’s action row). The click calls handleToggleSave(provider). If the provider is currently saved, it deletes; otherwise it saves. The UI style reflects provider.isSaved. (/mnt/data/page.tsx)
2. Internally, handleToggleSave checks currentUser?.id (must be signed in), then calls:
   * deleteSavedHomecareProvider(...) when unsaving; updates savedProviders and flips isSaved: false in both providers and filteredProviders.
   * saveHomecareProvider(...) when saving; prepends to savedProviders and flips isSaved: true in both lists.  
     (/mnt/data/page.tsx)

**2) Save or unsave from the details view**

1. Open **View Details** on a provider card, then use the **Save Provider / Unsave** button in the details header. It calls the same handleToggleSave(selectedProvider); the label reflects selectedProvider.isSaved. (/mnt/data/page.tsx)

**3) Open the Saved (n) menu**

1. In the page header, click **Saved (n)**.
   * The button shows the current count via Saved ({savedProviders.length}).
   * The dropdown only opens if there is at least one saved provider (onClick toggles the dropdown **only when** savedProviders.length > 0).  
     (/mnt/data/page.tsx)

**4) Manage items in the Saved (n) menu**

Inside the dropdown:

* **List of saved providers** with name and locality/state. Click a row to open details.
* **Remove one**: click the **X** on a row; it calls deleteSavedProvider(provider\_id) and updates state.
* **Clear All**: top-right **Clear All** button calls handleClearSavedProviders() (calls the Supabase clear helper and resets all isSaved flags in lists).
* **View Saved Providers**: button at the bottom toggles the dedicated saved view.  
  (/mnt/data/page.tsx)

**5) Work in the View Saved Providers page section**

* If empty, shows **“No saved providers”** and a **Search Providers** button to go back.
* If not empty, shows saved items with metadata (e.g., **“Saved on {date}”**) and a **trash** button to remove each.
* Use the header **Search Providers** button anytime to return to search mode.  
  (/mnt/data/page.tsx)

**Behavioral notes**

* **Auth requirement**: Saving is available only when currentUser?.id exists; otherwise handleToggleSave returns early (no-op). (/mnt/data/page.tsx)
* **Saved count**: The **Saved (n)** badge uses savedProviders.length. (/mnt/data/page.tsx)
* **Dropdown availability**: The Saved dropdown opens **only** if savedProviders.length > 0; otherwise the button is styled neutral and the onClick does nothing. (/mnt/data/page.tsx)
* **Clear All behavior**: handleClearSavedProviders() calls the clear helper, empties savedProviders, and flips every provider’s isSaved to false in both providers and filteredProviders. (/mnt/data/page.tsx)
* **Per-item delete**: deleteSavedProvider(id) removes from savedProviders and flips isSaved to false in both lists. (/mnt/data/page.tsx)
* **Initial load/persistence**: On load (with a signed-in user), getUserSavedHomecareProviders(user.id) populates savedProviders. This indicates saved items persist per user in the backing store. (/mnt/data/page.tsx)

**FAQ**

1. **How do I save from the list?**  
   Click the **Save** icon on a provider card (it calls handleToggleSave(provider) and updates UI state). (/mnt/data/page.tsx)
2. **How do I unsave from the list?**  
   Click the same **Save** icon again; the handler detects isSaved and calls the delete helper, then flips isSaved off in the lists. (/mnt/data/page.tsx)
3. **Can I save/unsave from the details page?**  
   Yes—use the **Save Provider / Unsave** button in the details header (backed by handleToggleSave(selectedProvider)). (/mnt/data/page.tsx)
4. **Where is the Saved menu and what does “(n)” mean?**  
   In the header, **Saved (n)** shows the count from savedProviders.length. (/mnt/data/page.tsx)
5. **Why won’t the Saved menu open when n = 0?**  
   The dropdown toggle runs only when there’s at least one saved item; otherwise the click handler is effectively disabled. (/mnt/data/page.tsx)
6. **How do I remove a single saved provider from the menu?**  
   Click the **X** on that row; it calls deleteSavedProvider(...) and updates state. (/mnt/data/page.tsx)
7. **How do I remove all saved providers at once?**  
   In the dropdown, click **Clear All**; handleClearSavedProviders() clears Supabase and resets UI flags. (/mnt/data/page.tsx)
8. **How do I open the full saved view?**  
   Click **View Saved Providers** at the bottom of the dropdown; it toggles the dedicated saved view. (/mnt/data/page.tsx)
9. **What does the saved view show?**  
   A list of saved items (or an empty state), each with a **trash** button and a **Saved on {date}** line. (/mnt/data/page.tsx)
10. **Do saved providers persist across sessions?**  
    For signed-in users, yes—on load the page fetches saved items via getUserSavedHomecareProviders(user.id). (/mnt/data/page.tsx)
11. **Do I need to be signed in to save?**  
    Yes—handleToggleSave exits if currentUser?.id is missing. (/mnt/data/page.tsx)
12. **After “Clear All,” why do Save icons switch off in the list?**  
    The handler resets isSaved to false across providers and filteredProviders. (/mnt/data/page.tsx)

**Troubleshooting**

* **Clicking Save does nothing**  
  You’re likely not signed in. The save handler returns early without a user id. Sign in and try again. (/mnt/data/page.tsx)
* **Saved menu won’t open**  
  The dropdown only opens when there’s at least one saved provider; add one first. (/mnt/data/page.tsx)
* **“Clear All” pressed, but items still look saved**  
  The Clear All handler both clears the store and flips all isSaved flags to false; ensure the action completed (network). The UI code performs both updates. (/mnt/data/page.tsx)
* **A removed item still appears elsewhere**  
  Per-item delete updates savedProviders **and** flips isSaved in both providers and filteredProviders. If you still see it, wait a moment or refresh. (/mnt/data/page.tsx)
* **Saved view shows empty, but count is > 0**  
  The count and list are both driven from savedProviders; a brief mismatch can occur mid-update. Opening the dropdown or switching views re-renders from the same source. (/mnt/data/page.tsx)

**Quick reference checklist**

* Save/unsave from a **card** via the **Save** icon (calls handleToggleSave). (/mnt/data/page.tsx)
* Save/unsave from **details** via **Save Provider / Unsave**. (/mnt/data/page.tsx)
* Open **Saved (n)**; remove one (**X**), **Clear All**, or **View Saved Providers**. (/mnt/data/page.tsx)
* Manage the list in **View Saved Providers** (trash to remove, **Search Providers** to return). (/mnt/data/page.tsx)
* Ensure you’re **signed in**—saving requires currentUser.id. (/mnt/data/page.tsx)

**Screenshot (placeholder — include exactly one)**

**Behind the scenes (Supabase helpers)**

The page imports and calls Supabase-backed helpers to **save**, **list**, **delete**, and **clear** saved providers:

* **Imports**: saveHomecareProvider, getUserSavedHomecareProviders, deleteSavedHomecareProvider, clearUserSavedHomecareProviders.
* **On load**: getUserSavedHomecareProviders(user.id) seeds savedProviders.
* **Save/unsave**: handleToggleSave calls the appropriate helper and updates local state.
* **Clear All**: handleClearSavedProviders calls the clear helper and resets all isSaved flags.  
  All of the above are visible in /mnt/data/page.tsx.

**Open questions for PM/Eng**

* **Max saved items?** No explicit limit is enforced in the visible code; confirm intended cap (if any). (/mnt/data/page.tsx)
* **Empty-state tooltip for Saved button?** When n=0, the click is a no-op; should it show a tooltip or disable state formally? (/mnt/data/page.tsx)
* **Error toasts?** The code logs errors on save/delete/clear, but UI notifications aren’t shown; should toasts be added? (/mnt/data/page.tsx)

**Sources:** /mnt/data/page.tsx (imports, handlers, header buttons, dropdown, saved view, state updates).

**Select and compare providers (up to 5)**

Find the best fit by shortlisting providers directly from the results, tracking your picks in the header **Compare** control, and launching a side-by-side comparison when you have at least two selected. Everything below is grounded in the Home page code and the Compare page.

**How it works (at a glance)**

* **Select from any provider card** using the scale icon. Selected cards show an orange ring and a position badge (1…5).
* **Track selections in the header:** **Compare (x/5 selected)**. Click it to open the **Selected for Comparison** list (only opens if you’ve selected ≥1).
* **Manage the selected list:** remove individual items (❌), **Clear All**, or, when you have **2+**, click **View Comparison**.
* **Limit & persistence:** max 5; if logged in, adds/removes/clear are saved and **restored on load**.
* **Compare view:** clicking **View Comparison** navigates to the Compare page and loads those providers by name from the dataset.

**Step-by-step**

1. **Select up to five providers**  
   On any result card, click the scale button (title: “Select for comparison”). The card gets an orange highlight and an order badge; clicking again removes it. Attempting to add a 6th shows an alert.
2. **Open the selected list**  
   In the header, click **Compare (x/5 selected)**. This toggles a drop-down titled **Selected for Comparison** listing your picks. The button only opens the list when **x > 0**.
3. **Tidy your list**  
   Use the ❌ beside a provider to remove it, or **Clear All** to empty the list in one go (also clears your saved selection if you’re logged in).
4. **Start the comparison**  
   Once **2+** are selected, the drop-down shows **View Comparison**. Click it to navigate to /homecare/compare?providers=<comma-separated-names> and open the Compare page. Your selection is recorded to **Recent Comparisons** if you’re logged in. Selections are intentionally **kept** so you can come back.
5. **Return any time**  
   If you’re logged in, your “Selected for Comparison” list is **restored on load** based on previously saved selections.

**Behavioral notes**

* **Selection limit:** 5 max; going over triggers alert('Maximum 5 providers can be selected for comparison').
* **Compare button state:** the button always shows **Compare (x/5 selected)**; clicking only toggles the list when x > 0.
* **Selected list actions:** per-item **❌ remove**, **Clear All**, and **View Comparison** appear inside the drop-down; **View Comparison** renders **only when x >= 2**.
* **Persistence (logged-in users):**
  + **Add/remove** updates a saved selection via addHomecareComparisonSelection / removeHomecareComparisonSelection.
  + **Clear All** calls clearHomecareComparisonSelections and refreshes from storage.
  + **Restore on load**: after providers load, saved selections are matched and reinstated.
* **Starting a comparison:** builds a comma-separated list of provider **names**, saves to comparison history for logged-in users, then navigates to /homecare/compare?....
* **Compare page loading:** reads providers from the URL, splits on commas, loads the full dataset, and filters by **exact name**. Shows loading spinner and “No Providers Found” fallback.

**FAQ**

**How many providers can I compare at once?**  
Up to **5**. Attempts to add a sixth show an alert.

**Why can’t I click “View Comparison”?**  
It only renders when **2 or more** providers are selected.

**Where do I see how many I’ve selected?**  
In the header as **Compare (x/5 selected)**.

**How do I open the selected list?**  
Click the **Compare (x/5 selected)** button; it opens only when **x > 0**.

**How do I remove a single provider from the list?**  
Open the list and click the ❌ on that row (it calls the same toggle used on cards).

**How do I clear all selections?**  
Open the list and click **Clear All**; if logged in, this also clears the saved selection in storage.

**Do selections persist between sessions?**  
Yes—**when logged in**. Adds/removes/clears are saved, and a restore runs after data loads.

**What gets saved to comparison history?**  
When you click **View Comparison** (and you’re logged in), a named record (e.g., “A vs B”) with provider IDs/names is saved and the history list is refreshed.

**I clicked View Comparison—what does the Compare page use to load providers?**  
The page reads the providers query string, **splits by comma**, loads the data file, and finds **exact name matches**.

**Can I come back to the Home page with my selection intact?**  
Yes. Starting a comparison **does not clear** selections; they’re kept intentionally.

**Troubleshooting**

* **Compare list won’t open**  
  You likely have **0 selections**. Add at least one, then click the header button.
* **“No Providers Found” on the Compare page**  
  The Compare page filters by **exact provider name** from the URL parameter; if names don’t match the dataset exactly, nothing loads. Return and re-select the intended providers.
* **Selections didn’t restore after reload**  
  Restoration requires: (1) you’re **logged in**, (2) saved selections exist, and (3) the provider dataset has finished loading (the restore runs after providers load).
* **Removed a provider, but it reappeared later**  
  If you’re logged in and a removal fails to save remotely, try removing again or use **Clear All**, which also refreshes from storage.
* **Can’t add a 6th provider**  
  That’s expected—**5 is the cap**; you’ll see an alert when trying to exceed it. Remove one first.
* **Recent comparisons not showing**  
  They’re only saved **when you start a comparison** and only if you’re **logged in**.

**Quick reference checklist**

* Select providers via the scale icon on result cards (max **5**).
* Open **Compare (x/5 selected)** to review picks.
* Remove items (❌) or **Clear All** as needed.
* When **2+** are selected, click **View Comparison**.
* The Compare page loads your chosen providers by **name** from the dataset.
* Logged in? Selections **persist** and **restore** on load.

**Open questions for PM/Eng**

* **History replay:** onComparisonHistoryClick currently logs a message; expected behavior for “restore this comparison” is not implemented here—confirm target behavior and routing.
* **Name delimiter:** Compare page splits provider names by **comma**; confirm provider names will never include commas or consider URL-encoding a safer delimiter.
* **User feedback:** Over-limit and other notices use alert(...). Should this use a non-blocking toast component instead?

**Drill into a provider’s details (Homecare — Home page)**

This section shows you how to open a provider, navigate the **Main / Package Costs / Service Costs / Services / Compliance / Coverage / Finance** tabs, and use **Statistical Comparison** with **Show Box Plots** to interpret inline benchmarks.

**What you can do here**

* Open **View Details** from the search results to enter the details view.
* Switch between tabs: **Main**, **Package Costs**, **Service Costs**, **Services**, **Compliance**, **Coverage**, **Finance**.
* Use **Statistical Comparison:** choose **Nationwide / State / Locality / Region**, and toggle **Show Box Plots**.
* Read inline box-plots and tooltips showing: **Your provider**, **Minimum**, **25th percentile (Q1)**, **Median**, **75th percentile (Q3)**, **Maximum**, **Average (mean)**, and optional **Sample size**; cost/budget fields are formatted as **AUD**.

**Step-by-step**

1. **Open a provider’s details**  
   From the search results, click **View Details** on a provider card. The page sets the selected provider and loads a full details view with a back link **← Back to providers list**.
2. **Choose your statistical scope**  
   At the top of the details view, find **Statistical Comparison:** and pick one of: **Nationwide**, **State**, **Locality**, **Region**. These buttons update the scope used to find statistics for the current provider.
3. **Show or hide box plots**  
   Use the **Show Box Plots** checkbox to overlay an inline box-plot next to numeric fields (e.g., costs, finance). When off, fields show values without charts.
4. **Read the tabs**  
   Use the tabs to switch sections:

* **Main**: Provider info, contact, package coverage, services.
* **Package Costs**: Care management & package management costs and package budgets.
* **Service Costs**: Hourly rates for personal care, nursing, cleaning & household, travel costs.
* **Services**: Services offered and specialized care lists.
* **Compliance**: Compliance assessment, service feedback, improvement focus.
* **Coverage**: Region, service area, primary address, coordinates.
* **Finance**: Overview, performance (income, expenditure, surplus/deficit), staff pay rates.

1. **Interpret an inline box-plot**  
   Hover a box-plot to see a tooltip: **Your provider**, **Minimum**, **25th percentile**, **Median**, **75th percentile**, **Maximum**, **Average**, and **Sample size** (if present). Cost/budget metrics are displayed in **AUD**.

**Behavioral notes (what to expect)**

* **Default scope** is set to **nationwide**; the helper picks statistics for the current scope (provider’s state/locality/region where applicable), otherwise the nationwide set.
* **Show Box Plots** defaults **on**; turning it off hides charts while leaving values.
* **Non-numeric fields don’t render a chart** (only the value is shown).
* **If statistics fail to load**, the page doesn’t block; values still render without charts.
* **Currency formatting**: Costs, budgets, finance numbers are formatted as **AUD (en-AU)** both in field rendering and in box-plot tooltips.

**FAQ**

1. **Where are the details tabs defined?**  
   In the details view’s **Tabs**, with triggers for **Main**, **Package Costs**, **Service Costs**, **Services**, **Compliance**, **Coverage**, **Finance**.
2. **How do I change the statistical scope?**  
   Use the **Statistical Comparison:** buttons (**Nationwide / State / Locality / Region**) above the tabs.
3. **What does “Show Box Plots” do?**  
   It toggles inline box-plots next to numeric fields; when off, only the values show.
4. **What exactly appears in the box-plot tooltip?**  
   **Your provider**, **Minimum**, **25th percentile**, **Median**, **75th percentile**, **Maximum**, **Average**, and **Sample size** (if provided).
5. **Which fields get a box-plot?**  
   Only numeric fields with matching statistics for the selected scope. Non-numeric values or fields lacking stats show no chart.
6. **How are costs formatted?**  
   As **AUD** using en-AU locale in both field values and box-plot tooltips, especially for keys containing cost/budget.
7. **What if statistics data isn’t available?**  
   The page sets statistics to null and continues; box-plots simply don’t render.
8. **How does scope select the right stats?**  
   A helper resolves data by scope: nationwide or by matching the provider’s **state**, **locality**, or **service\_region**; otherwise nationwide.
9. **Where do I see package vs. service costs?**  
   **Package Costs** tab shows care/package management and budget fields; **Service Costs** shows hourly rates and travel.
10. **Can I save a provider from the details page?**  
    Yes. The details header contains a **Save Provider / Unsave** button.
11. **Where do coverage fields appear?**  
    In the **Coverage** tab: service region, service area, full address, and coordinates (if available).
12. **Where are finance metrics shown?**  
    In the **Finance** tab: overview (year, ABN), income/expenditure, surplus/deficit, staff pay rates.

**Troubleshooting**

* **No box-plots are showing**  
  • Ensure **Show Box Plots** is checked. If fields are non-numeric or stats are missing for the selected scope, charts are not rendered.   
  • If statistics failed to load, values still display; charts won’t.
* **Scope seems to have no effect**  
  The scope selector updates which statistics are fetched. If a matching state/locality/region isn’t found, the logic falls back to nationwide.
* **Costs look unformatted**  
  Costs/budgets and finance fields format to **AUD** automatically; if a value isn’t numeric, it will render as plain text and no chart.
* **Which tab contains a specific field?**  
  Check the tab definitions: **Package Costs** for management/budget; **Service Costs** for hourly services; **Coverage** for addresses/coordinates; **Finance** for income/expenditure/pay.

**Quick reference checklist**

* Open **View Details** from a provider card.
* Pick **Statistical Comparison** scope (**Nationwide / State / Locality / Region**).
* Toggle **Show Box Plots** to compare values vs. peers.
* Navigate tabs (**Main / Package Costs / Service Costs / Services / Compliance / Coverage / Finance**) to review data.
* Hover a box-plot to read **min, Q1, median, Q3, max, mean, sample size** (if available).
* Confirm costs show in **AUD** for cost/budget/finance fields.

**Open questions for PM/Eng**

* **Stats dataset keys & coverage:** Are there guaranteed stats for all cost/finance fields across all scopes, or should we display a fallback message when none exist? (Selection logic present; silent fallback to values only.)
* **Explicit “no data” messaging:** Should the UI show a “No benchmarks available for this field/scope” hint rather than silently omitting the chart? (Currently omitted.)
* **Additional currency fields:** Beyond cost/budget heuristics, should finance keys always format as AUD in tooltips (extend rule)?

**Austratics Homecare User Guide — Restore past work with History**

Concise steps to show/hide the History panel, restore past searches, revisit comparisons, and manage (clear/delete) your history. All behaviors here come from the Home page code and History panel component.

**Show or hide the History panel**

1. To **show** the panel, click the **History** icon on the slim left bar.
2. To **hide** the panel, click the **X** in the panel header.
3. When the panel is visible, the main content shifts right (**ml-80**); when hidden it uses a compact margin (**ml-12**).

**Note**: The page wires the panel with isHistoryPanelVisible and onToggle, so the same toggle action is used for show/hide.

**Restore a Recent Search**

1. Open **History** → **Recent Searches**. Each item shows the **search term**, **date**, **results count**, and any **applied filter badges**.
2. **Click** a search to restore it. The app sets the search bar and re-applies stored filters (package levels, organization types, service types, cost range).
3. For searches with embedded **location context** (the app may save text like term (context)), clicking restores the original term and lets the page re-resolve location.

**Tip**: Badges under each search show saved filters (e.g., **Level 2**, **for-profit**). These come from the item’s filters\_applied.

**Reopen a Recent Comparison**

1. Open **History** → **Recent Comparisons**. Items display the comparison name, date, and number of providers.
2. **Click** a comparison to trigger the page’s onComparisonHistoryClick. (Current code logs the item; navigation is not yet implemented.)

**Warning**: Opening a past comparison from History is a **stub** in the current build; confirm target navigation with the team.

**Clear or delete History items**

* **Clear all searches**: Click **Clear** in **Recent Searches**; the page calls clearHomecareSearchHistory and empties the list. (Requires logged-in user.)
* **Delete one search**: Click the **X** on that row; the page calls deleteHomecareSearchHistoryItem and reloads search history. (Requires logged-in user.)
* **Clear all comparisons**: Click **Clear** in **Recent Comparisons**; the page calls clearHomecareComparisonHistory and empties the list. (Requires logged-in user.)
* **Delete one comparison**: Click the **X** on that row; the page calls deleteHomecareComparisonHistoryItem and reloads comparison history. (Requires logged-in user.)

**Behavioral notes**

* **Initial visibility**: The panel is present from first render and controlled via isHistoryPanelVisible; layout margins update accordingly.
* **History loading**: On load, if the user is authenticated (currentUser.id), the app fetches **search history** and **comparison history** from Supabase and stores them in state.
* **Empty states**: If no items, sections show “No search history yet” or “No comparison history yet.”
* **Result counts & badges**: The app stores results\_count at save time and renders filter badges for package levels and organization types in the UI.
* **What triggers saving to history?**
  + **Search history** is saved on specific interactions like **saving a provider** or **opening View Details** when a search term is present and the user is logged in.
  + **Comparison history** is saved when **≥2 providers** are selected and **View Comparison** runs; if logged in, the comparison is saved before navigating.

**FAQ**

1. **How do I open the History panel?**  
   Click the **History** icon on the slim left bar; it calls onToggle to show the panel.
2. **How do I hide it again?**  
   Click the **X** in the panel header; onToggle hides it.
3. **Why does the page layout shift when I show/hide History?**  
   The main content margin changes between ml-80 (visible) and ml-12 (hidden).
4. **What information is saved with each search?**  
   Search term, date, results count, and any filters applied (package levels, organization types, service types, cost range).
5. **How do I restore a saved search?**  
   Click it in **Recent Searches**. The page sets the search bar and re-applies filters from filters\_applied.
6. **I see text in parentheses in a saved search—what is it?**  
   Location context (e.g., “within ~20km of …”). On restore, the app extracts the original term and lets location resolve again.
7. **Can I open a past comparison from History?**  
   Clicking a comparison triggers onComparisonHistoryClick, but navigation isn’t implemented yet in the current code.
8. **How do I clear all my search history?**  
   Click **Clear** in **Recent Searches**; the app calls clearHomecareSearchHistory and resets the list. (Login required.)
9. **How do I delete a single search or comparison?**  
   Click the row’s **X**. The page calls the delete helper and reloads the updated list. (Login required.)
10. **Why is nothing being saved to History?**  
    Saving to history only runs when you’re **logged in**; the code skips DB saves for anonymous users.
11. **Where do result counts come from?**  
    When saving a search, the app stores filteredProviders.length as results\_count.
12. **Do SA2 region filters get restored from History?**  
    The restore maps filters\_applied to HomecareFilters (package levels, organization types, service types, cost range). SA2 is not included in this restore path.

**Troubleshooting**

* **Clicking a search doesn’t change results**  
  Ensure the item had a real term. Restoring sets the searchTerm; a debounced search runs (~300ms) to refresh results.
* **Clear/Delete does nothing**  
  These handlers early-return if there’s no currentUser.id. Log in, then retry.
* **My past comparison doesn’t open**  
  The click handler is wired, but navigation/loading a comparison from History isn’t implemented yet. Use **Compare** again from the header while this is pending.
* **History lists are empty**  
  If you’re logged in, items load on page init via getHomecareSearchHistory / getHomecareComparisonHistory. If still empty, you may not have triggered any history-saving actions yet.

**Quick reference checklist**

* **Show History** → Click left **History** icon; panel opens.
* **Restore search** → Click an item under **Recent Searches**.
* **Clear searches** → **Clear** in **Recent Searches** (login required).
* **Delete one search** → Row **X** (login required).
* **Open past comparison** → Click item in **Recent Comparisons** (not yet implemented for navigation).
* **Clear comparisons** → **Clear** in **Recent Comparisons** (login required).
* **Hide History** → Click **X** in panel header.

**Open questions for PM/Eng**

* **Open “Recent Comparison” behavior**: onComparisonHistoryClick currently just logs. Confirm the intended navigation (e.g., open /homecare/compare?providers=… like startComparison) and any data needed for deep-linking.
* **Anonymous users**: The app skips DB saves when not logged in. Should we show a banner/tool-tip in History prompting sign-in to enable persistence?
* **Filters in History**: Only specific filters are restored from filters\_applied. Should SA2 region selection also be captured/restored in History?

**Files referenced**: /mnt/data/page.tsx, /mnt/data/HistoryPanel.tsx.

**Empty states & loading — Home page**

This section explains what you’ll see when there are no results, how to reset the search quickly, and how the page loads provider data and statistics (including how it behaves on errors).

**“No providers found” — what it means & how to recover**

When your query or filters return nothing, the list switches to an explicit empty state that shows **“No providers found”** and a **Clear Search** button. Pressing **Clear Search** resets the **text search** and **filter drawer fields** back to defaults (it sets the internal search term to empty and clears the HomecareFilters object).

**Steps**

1. Look for the empty-state panel titled **No providers found** in the results area.
2. Click **Clear Search**. This clears the text box and any filter-drawer criteria. (It does **not** clear an SA2 region selection—see note below.)
3. If you had an SA2 filter applied, clear it with the **Clear filter** control next to the SA2 chip in the banner, or via the SA2 dropdown “X” (handled by a separate SA2-clear function).

**Tip**  
If you haven’t applied any search or SA2 filter yet, the page shows a gentle “start state” prompting you to **Search Homecare Providers** and displays the total number of providers available.

**Note**  
**Clear Search** intentionally does **not** remove the SA2 filter; SA2 uses a different piece of state and its own **Clear filter** action. Use that if needed.

**Initial data load (providers)**

On first load, the page fetches the entire dataset from /Maps\_ABS\_CSV/merged\_homecare\_providers.json. During this fetch, an internal loading flag is set; when complete, providers are stored and shown in the list. If the fetch fails, the page logs an error and falls back to **empty arrays** (so the UI continues rendering without a hard failure).

**Behavioral notes**

* **Loading:** There’s no dedicated spinner on the Home page; content renders and counts update once data arrives. (A spinner **is** used on the Compare page’s first paint, for reference.)
* **On error:** Providers and filtered providers are set to empty; you’ll see the start state or an empty result depending on your current inputs.

**Warning**  
If you see “Search through 0 homecare providers…” immediately after opening the page, that can simply mean the dataset is still loading; it updates as soon as the fetch completes.

**Statistics load (box-plots) & graceful failure**

Statistics for inline box-plots are fetched separately from /Maps\_ABS\_CSV/homecare\_statistics\_analysis.json. A statsLoading flag manages this; if the fetch fails, statistics are set to null and **the page does not block**—details still render, just **without** box-plots.

* Box-plots only render when: box-plots are toggled **on**, the field is numeric, stats are **loaded**, and matching field statistics exist. Otherwise, the field value renders without a chart.
* The inline chart’s tooltip shows **Min, 25th percentile (Q1), Median, 75th percentile (Q3), Max, Mean**, and optional **Sample size**; cost fields are formatted as AUD currency.

**Tip**  
If you don’t see any box-plots in **Details**, toggle **Show Box Plots** and ensure stats have finished loading (or that the statistic exists for the current scope).

**Troubleshooting quick fixes**

* **No results after filtering:** Click **Clear Search** to reset text + drawer filters; if you were filtering by SA2, clear the SA2 filter separately via its **Clear filter** control.
* **Nothing appears at first load:** Give the dataset fetch a moment; the Home page doesn’t show a spinner, but counts update as soon as providers load.
* **Box-plots missing:** Stats might still be loading or unavailable for the field/scope; the page intentionally keeps working without them. Try toggling **Show Box Plots** again or switching scope.

Here’s a crisp rundown of what on the **Homecare — Home page** actually requires you to be signed in (i.e., actions that check for a current user before they mutate server-backed state).

**Account-linked persistence — what needs sign-in**

* **Load account data on page open**  
  On mount, the app resolves the current user and only then loads your **saved providers**, **search history**, **comparison history**, **persistent comparison selections**, and **saved SA2 regions**. If no user is present, these loads are skipped.
* **Save / Unsave a provider**  
  The save/unsave handler returns immediately when there’s no currentUser.id, so saving is effectively disabled unless you’re signed in. (When signed in it calls Supabase helpers and updates local state.)
* **Clear all saved providers**  
  “Clear All” in the Saved menu checks for currentUser.id before clearing on the server and resetting local flags. No sign-in → no server call.
* **Delete a single saved provider**  
  Removing one saved provider also requires currentUser.id; otherwise the handler returns without doing anything.
* **Write to Search History (auto-save on key interactions)**  
  Adding a search to history is gated by currentUser—the function bails if you’re not signed in. (It’s invoked on actions like viewing details or saving a provider while a term is present.)
* **Delete one Search History entry / Clear all Search History**  
  Both delete-one and clear-all handlers early-return if there’s no signed-in user.
* **Persist comparison selections (add/remove/clear)**  
  Selecting providers for comparison works for anyone, but **saving** that selection to the account (for restoration across sessions) only happens when logged in. The add/remove/clear routines talk to the database only if currentUser exists.
* **Save a comparison to history when you click “View Comparison”**  
  Starting a comparison navigates for everyone, but the **comparison history** write is performed only if the user is logged in.
* **Load saved SA2 regions**  
  The saved SA2 list (used by the SA2 filter button) is fetched only when a user is present; errors are handled but no fetch occurs for anonymous users.

**Doesn’t require sign-in (local/UI only)**

* Searching, filtering in the current session, opening/closing History panel, selecting providers (non-persistent), viewing details, and navigating to the comparison page all work without an account; they just won’t persist to your history/saved lists without sign-in.

**Implication for UX copy:** when a save/clear click is a no-op due to no user, consider surfacing a gentle “Sign in to save” nudge so the user isn’t confused by an inert button. (The current code simply returns early.)

**Austratics Homecare User Guide — Home Page**

*Search, filter, save, and compare homecare providers*

**Who this is for**

Business users and data analysts working with Australian aged care.

**What you can do here (at a glance)**

* Search by location, provider name, address, and services.
* Filter by saved ABS SA2 regions (with an inline clear).
* Open your **Saved** list; clear all or jump to “View Saved Providers.”
* Select providers to **Compare** (up to 5).
* Launch **View Comparison** once you have ≥2 selections.
* Open **History** to restore searches/comparisons or clear/delete entries.

**Step-by-step: Search → Filter → Save → Compare**

**1) Search providers**

1. In the header, type a location, provider name, address, or service keyword into the search box. Results update via the page’s search helpers.
2. (Optional) Click **Search Providers** to switch back from the Saved view.

**Note**: The page loads the full provider dataset client-side on first visit.

**2) Filter by saved SA2 regions**

1. Click **SA2 Regions (N)** to open the SA2 dropdown (button shows the active SA2 or the count of saved SA2s).
2. Pick a saved SA2 from **Saved SA2 Regions**; the list explains it filters by saved ABS SA2 regions.
3. Clear the active SA2 with the inline **X** next to its name.

**Warning**: The SA2 button is disabled until you have at least one saved SA2.

**3) Save providers for later**

1. Open the **Saved** menu in the header to see the current count. The menu only opens when you have saved items.
2. Use **Clear All** to remove all saved providers from the menu.
3. Click **View Saved Providers** to switch the main list to your saved set.
4. Remove a single saved provider using the **Remove (X)** button in the menu.

Saving/unsaving and clearing are backed by helper methods:  
saveHomecareProvider, deleteSavedHomecareProvider, clearAllSavedHomecareProviders, isSavedHomecareProvider (and notes support).

**4) Select and compare providers**

1. Add providers to the comparison pool (the header shows **Compare (x/5 selected)**).
2. Open the selected list (only when you have ≥1 selection).
3. Click **View Comparison** (becomes available at 2+ selections).

**Warning**: You can select up to **5** providers; the UI enforces this with an alert.

**5) Dive into a provider’s details (tabs)**

From a provider card/details, use the tabs: **Main**, **Package Costs**, **Service Costs**, **Services**, **Compliance**, **Finance**.

If **Show box plots** is enabled (per-page toggle), numeric fields render inline comparisons via HomecareInlineBoxPlot, using the current stats scope. Stats are loaded once per page.

**6) Use History to restore or tidy up**

Open the **History** panel to see **searchHistory** and **comparisonHistory**; you can restore entries, delete single items, or clear all.

**Filter values & definitions (from code)**

The page defines a formal HomecareFilters shape and enumerations; these power saved/restore behavior and (if/when wired) a filter UI.

* **Filter object** fields: packageLevels, organizationTypes, serviceTypes, complianceStatuses, specializedCare, costRange.
* **Package Levels:** "1" | "2" | "3" | "4".
* **Organization Types:** "For-profit" | "Not-for-profit" | "Government".
* **Services Offered:** e.g., "Nursing", "Physiotherapy", "Domestic assistance", "Meal preparation", "Transport" (full list in file).
* **Compliance Status:** "Compliant" | "Sanctioned" | "Under review".
* **Specialized Care:** e.g., "Dementia care", "Palliative care", "Culturally diverse care".
* **Cost Type & Range:** UI imports DollarSign and defines filter sections including cost; the structured costRange includes min/max, with a costType selector referenced in code comments/structure. (Enumerations present; concrete control labels not all visible in the snippet.)

**Behavioral notes (loading, disabled states, defaults)**

* **Initial data load:** Providers and statistics load once on mount; failures set graceful empty state for stats.
* **Search behavior:** Free-text search looks across name, service area, address (locality, state, postcode), services, specialized care, and summary.
* **SA2 filter button:** Disabled when there are no saved SA2s; shows active SA2 name or a count; includes inline clear.
* **Saved dropdown:** Only opens when at least one provider is saved; includes **Clear All** and per-item remove.
* **Compare control:** Shows a live counter with a hard cap of 5; comparison action requires ≥2 selected.
* **Inline box plots:** Render only when showBoxPlots is on, stats are loaded, and the field is numeric; currency formatting applied for cost/budget fields.

**FAQ**

1. **How many providers can I compare at once?**  
   Up to **5**. The selection logic enforces this limit.
2. **Why can’t I open the Compare menu?**  
   It only opens when you’ve selected at least one provider.
3. **When does “View Comparison” appear?**  
   When you’ve selected **2 or more** providers; the action guards against fewer than two.
4. **How do I open/close the filter drawer?**  
   The code defines filter enumerations and a HomecareFilters structure but doesn’t show a visible “Filter drawer open/close” control on the Home page snippet. See **Open questions** below.
5. **What does “Clear All” in Saved do?**  
   It removes all saved providers from your Saved list.
6. **Where can I see or restore my recent searches/comparisons?**  
   Open the **History** panel; the page wires in searchHistory and comparisonHistory, plus delete and clear actions.
7. **How do I save/unsave a provider?**  
   The page uses helpers: saveHomecareProvider and deleteSavedHomecareProvider.
8. **Do saved providers persist across sessions?**  
   Helpers exist (including getUserSavedHomecareProviders and isSavedHomecareProvider), but the storage backing isn’t shown here. Confirm storage (local storage vs. backend) with Eng.
9. **What do the inline box-plots show, and how do I read tooltips?**  
   The component accepts stats (min, q1, median, q3, max, mean, count?) and renders a box plot plus a red marker for the current value. Tooltip field labels aren’t explicitly defined in the snippet, but the visual encodings are standard.
10. **Where do cost and coverage fields appear in details?**  
    Use the details tabs; **Package Costs** and **Service Costs** are separate tabs.
11. **Why is the SA2 filter button greyed out?**  
    You don’t have any saved SA2 regions yet.
12. **How are search matches determined?**  
    Search scans provider name, service area, locality, state, postcode, services, specialized care, and summary text.

**Troubleshooting**

* **No SA2 filter available**  
  Add at least one saved SA2; the button is disabled until then.
* **Compare not available**  
  Add more selections: comparison needs **≥2**. Also ensure you’re not over the **5-item** cap.
* **Saved provider not appearing**  
  Confirm it’s actually saved (menu only opens when you have saved items). Use isSavedHomecareProvider if diagnosing persistence.
* **History doesn’t list my action**  
  The panel renders whatever the page passes in (searchHistory, comparisonHistory). If an action isn’t recorded, check the page’s history handlers feeding these props.
* **Slow first load**  
  The page fetches the **full JSON dataset** client-side and also loads a statistics file; this can take time on first visit.

**Quick reference checklist**

* **Search** by location/name/address/services in the header.
* **Filter by SA2** → pick from **Saved SA2 Regions** → clear with **X**.
* **Open Saved** → **Clear All** or **View Saved Providers**.
* **Compare up to 5** → open Compare menu → **View Comparison** at 2+.
* **Open History** → restore/delete/clear searches & comparisons.
* **In details** use tabs (**Main / Package Costs / Service Costs / Services / Compliance / Finance**).
* **Show inline box-plots** (when enabled & stats loaded) for numeric fields.

**Open questions for PM/Eng**

1. **Filter drawer open/close & actions** — We see filter enumerations and a HomecareFilters shape, but no Home-page UI control to open a sidebar nor concrete “Apply/Reset/Clear” controls in the shown snippet. Please confirm intended trigger/button and section labels. Closest related code: HomecareFilters definition and FilterSidebar enumerations.
2. **Saved providers persistence** — Helpers exist, but storage backend isn’t visible here. Should this persist per browser (localStorage) or per user (DB)?
3. **History panel toggle location** — The panel is wired via isVisible/onToggle, but the specific header/button label to open it isn’t shown in this snippet.
4. **Inline box-plot tooltip fields** — The chart renders min/Q1/median/Q3/max/mean and a current value marker, but tooltip content/formatting isn’t explicit. Confirm field labels/format.
5. **Where are “full filter” definitions surfaced in UI?** — Enumerations (package levels, organization, services, compliance, specialized care, cost) exist; confirm if/when they’ll be wired into a visible Home-page filter drawer.

**Screenshot (placeholder)**

**Austratics Homecare User Guide — Home Page**

*Search, filter, save, and compare homecare providers*

**Who this is for**

Business users and data analysts working with Australian aged care.

**What you can do here (at a glance)**

* Search by location, provider name, address, and services.
* Filter by saved ABS SA2 regions (with an inline clear).
* Open your **Saved** list; clear all or jump to “View Saved Providers.”
* Select providers to **Compare** (up to 5).
* Launch **View Comparison** once you have ≥2 selections.
* Open **History** to restore searches/comparisons or clear/delete entries.

**Step-by-step: Search → Filter → Save → Compare**

**1) Search providers**

1. In the header, type a location, provider name, address, or service keyword into the search box. Results update via the page’s search helpers.
2. (Optional) Click **Search Providers** to switch back from the Saved view.

**Note**: The page loads the full provider dataset client-side on first visit.

**2) Filter by saved SA2 regions**

1. Click **SA2 Regions (N)** to open the SA2 dropdown (button shows the active SA2 or the count of saved SA2s).
2. Pick a saved SA2 from **Saved SA2 Regions**; the list explains it filters by saved ABS SA2 regions.
3. Clear the active SA2 with the inline **X** next to its name.

**Warning**: The SA2 button is disabled until you have at least one saved SA2.

**3) Save providers for later**

1. Open the **Saved** menu in the header to see the current count. The menu only opens when you have saved items.
2. Use **Clear All** to remove all saved providers from the menu.
3. Click **View Saved Providers** to switch the main list to your saved set.
4. Remove a single saved provider using the **Remove (X)** button in the menu.

Saving/unsaving and clearing are backed by helper methods:  
saveHomecareProvider, deleteSavedHomecareProvider, clearAllSavedHomecareProviders, isSavedHomecareProvider (and notes support).

**4) Select and compare providers**

1. Add providers to the comparison pool (the header shows **Compare (x/5 selected)**).
2. Open the selected list (only when you have ≥1 selection).
3. Click **View Comparison** (becomes available at 2+ selections).

**Warning**: You can select up to **5** providers; the UI enforces this with an alert.

**5) Dive into a provider’s details (tabs)**

From a provider card/details, use the tabs: **Main**, **Package Costs**, **Service Costs**, **Services**, **Compliance**, **Finance**.

If **Show box plots** is enabled (per-page toggle), numeric fields render inline comparisons via HomecareInlineBoxPlot, using the current stats scope. Stats are loaded once per page.

**6) Use History to restore or tidy up**

Open the **History** panel to see **searchHistory** and **comparisonHistory**; you can restore entries, delete single items, or clear all.

**Filter values & definitions (from code)**

The page defines a formal HomecareFilters shape and enumerations; these power saved/restore behavior and (if/when wired) a filter UI.

* **Filter object** fields: packageLevels, organizationTypes, serviceTypes, complianceStatuses, specializedCare, costRange.
* **Package Levels:** "1" | "2" | "3" | "4".
* **Organization Types:** "For-profit" | "Not-for-profit" | "Government".
* **Services Offered:** e.g., "Nursing", "Physiotherapy", "Domestic assistance", "Meal preparation", "Transport" (full list in file).
* **Compliance Status:** "Compliant" | "Sanctioned" | "Under review".
* **Specialized Care:** e.g., "Dementia care", "Palliative care", "Culturally diverse care".
* **Cost Type & Range:** UI imports DollarSign and defines filter sections including cost; the structured costRange includes min/max, with a costType selector referenced in code comments/structure. (Enumerations present; concrete control labels not all visible in the snippet.)

**Behavioral notes (loading, disabled states, defaults)**

* **Initial data load:** Providers and statistics load once on mount; failures set graceful empty state for stats.
* **Search behavior:** Free-text search looks across name, service area, address (locality, state, postcode), services, specialized care, and summary.
* **SA2 filter button:** Disabled when there are no saved SA2s; shows active SA2 name or a count; includes inline clear.
* **Saved dropdown:** Only opens when at least one provider is saved; includes **Clear All** and per-item remove.
* **Compare control:** Shows a live counter with a hard cap of 5; comparison action requires ≥2 selected.
* **Inline box plots:** Render only when showBoxPlots is on, stats are loaded, and the field is numeric; currency formatting applied for cost/budget fields.

**FAQ**

1. **How many providers can I compare at once?**  
   Up to **5**. The selection logic enforces this limit.
2. **Why can’t I open the Compare menu?**  
   It only opens when you’ve selected at least one provider.
3. **When does “View Comparison” appear?**  
   When you’ve selected **2 or more** providers; the action guards against fewer than two.
4. **How do I open/close the filter drawer?**  
   The code defines filter enumerations and a HomecareFilters structure but doesn’t show a visible “Filter drawer open/close” control on the Home page snippet. See **Open questions** below.
5. **What does “Clear All” in Saved do?**  
   It removes all saved providers from your Saved list.
6. **Where can I see or restore my recent searches/comparisons?**  
   Open the **History** panel; the page wires in searchHistory and comparisonHistory, plus delete and clear actions.
7. **How do I save/unsave a provider?**  
   The page uses helpers: saveHomecareProvider and deleteSavedHomecareProvider.
8. **Do saved providers persist across sessions?**  
   Helpers exist (including getUserSavedHomecareProviders and isSavedHomecareProvider), but the storage backing isn’t shown here. Confirm storage (local storage vs. backend) with Eng.
9. **What do the inline box-plots show, and how do I read tooltips?**  
   The component accepts stats (min, q1, median, q3, max, mean, count?) and renders a box plot plus a red marker for the current value. Tooltip field labels aren’t explicitly defined in the snippet, but the visual encodings are standard.
10. **Where do cost and coverage fields appear in details?**  
    Use the details tabs; **Package Costs** and **Service Costs** are separate tabs.
11. **Why is the SA2 filter button greyed out?**  
    You don’t have any saved SA2 regions yet.
12. **How are search matches determined?**  
    Search scans provider name, service area, locality, state, postcode, services, specialized care, and summary text.

**Troubleshooting**

* **No SA2 filter available**  
  Add at least one saved SA2; the button is disabled until then.
* **Compare not available**  
  Add more selections: comparison needs **≥2**. Also ensure you’re not over the **5-item** cap.
* **Saved provider not appearing**  
  Confirm it’s actually saved (menu only opens when you have saved items). Use isSavedHomecareProvider if diagnosing persistence.
* **History doesn’t list my action**  
  The panel renders whatever the page passes in (searchHistory, comparisonHistory). If an action isn’t recorded, check the page’s history handlers feeding these props.
* **Slow first load**  
  The page fetches the **full JSON dataset** client-side and also loads a statistics file; this can take time on first visit.

**Quick reference checklist**

* **Search** by location/name/address/services in the header.
* **Filter by SA2** → pick from **Saved SA2 Regions** → clear with **X**.
* **Open Saved** → **Clear All** or **View Saved Providers**.
* **Compare up to 5** → open Compare menu → **View Comparison** at 2+.
* **Open History** → restore/delete/clear searches & comparisons.
* **In details** use tabs (**Main / Package Costs / Service Costs / Services / Compliance / Finance**).
* **Show inline box-plots** (when enabled & stats loaded) for numeric fields.

**Open questions for PM/Eng**

1. **Filter drawer open/close & actions** — We see filter enumerations and a HomecareFilters shape, but no Home-page UI control to open a sidebar nor concrete “Apply/Reset/Clear” controls in the shown snippet. Please confirm intended trigger/button and section labels. Closest related code: HomecareFilters definition and FilterSidebar enumerations.
2. **Saved providers persistence** — Helpers exist, but storage backend isn’t visible here. Should this persist per browser (localStorage) or per user (DB)?
3. **History panel toggle location** — The panel is wired via isVisible/onToggle, but the specific header/button label to open it isn’t shown in this snippet.
4. **Inline box-plot tooltip fields** — The chart renders min/Q1/median/Q3/max/mean and a current value marker, but tooltip content/formatting isn’t explicit. Confirm field labels/format.
5. **Where are “full filter” definitions surfaced in UI?** — Enumerations (package levels, organization, services, compliance, specialized care, cost) exist; confirm if/when they’ll be wired into a visible Home-page filter drawer.

**Screenshot (placeholder)**

# **Austratics Homecare User Guide — Home Page**

*Topic: Search, filter, save, and compare homecare providers from the Home page*  
*Audience: Business users & data analysts in Australian aged care.*

**Step-by-step: from search → filter → save → compare**

**1) Search for providers**

1. In the header, click **Search Providers** (if you’re in the Saved view) to return to the search list. /mnt/data/page.tsx: L1087–L1098
2. Use the main **search bar** to type a location or keywords (e.g., provider name, address, services). The field shows the placeholder: “Search by location (e.g., Sydney CBD) or provider name, address, services…”. /mnt/data/page.tsx: L1238–L1246
3. As you type, the search term state updates via onChange, which drives the hybrid search (text-first, location-enhanced). /mnt/data/page.tsx: L1245–L1246, L577–L580
4. If text matches exist, the system **enhances** results with a ~20km radius around the first text match; otherwise it **falls back** to geocoding the place name and then applies the same ~20km radius. /mnt/data/page.tsx: L410–L423, L432–L447
   * The default **radius** is set to 0.18 (≈20km). /mnt/data/page.tsx: L133–L137
5. The results banner below the search row reports counts (e.g., *“Showing X of Y providers matching ‘term’”*). /mnt/data/page.tsx: L1322–L1332

**Tip**: If you’re using SA2 regions, click the **SA2 Region** button to pick from your saved SA2 regions and apply that filter; clear it via **Clear filter** when needed. /mnt/data/page.tsx: L1250–L1260, L1285–L1302, L1333–L1341

**2) (Optional) Open the Filter drawer**

A reusable **Filter Providers** drawer component exists with sections for **Care Package Levels**, **Organization Type**, **Compliance Status**, and **Services Offered**. It shows an **active filter count badge** and offers **Clear All** and **Close** actions. /mnt/data/FilterSidebar.tsx: L96–L104, L124–L133, L150–L159, L206–L220, L180–L193, L100–L112

**Open question**: the Home page UI does not include the trigger to open this drawer (no import or render of the component on the page). See details under **Open questions for PM/Eng**.

**3) Save providers for later**

1. On each result card, select **Save** (disk icon) to add/remove a provider to your saved list. This handler requires you to be signed in; it persists to Supabase and updates UI state. /mnt/data/page.tsx: L611–L619, L633–L655
2. Access **Saved (N)** in the header to open the dropdown listing your saved providers; from there, you can **Clear All**, open **View Saved Providers**, or remove items one-by-one. /mnt/data/page.tsx: L1100–L1112, L1118–L1127, L1151–L1160, L1140–L1146
3. In **Saved Providers** view, each saved item shows essential details and a remove button; use **Search Providers** to return to the searchable list. /mnt/data/page.tsx: L1534–L1547, L1566–L1579

**Note**: Saved providers persist across sessions in the homecare\_saved\_facilities table (Supabase). The helper functions include **save**, **list**, **delete**, **clear**, and **notes** updates. /mnt/data/savedHomecareFacilities.ts: L1–L8, L21–L31, L47–L55, L63–L70, L94–L102, L111–L120

**4) Select up to 5 providers to compare**

1. Use the **scale** icon on result cards to toggle selection for comparison. The page enforces a **maximum of 5**; attempting a 6th shows an alert, and selections are **persisted** when signed in. /mnt/data/page.tsx: L796–L804, L827–L854
2. The header shows **Compare (x/5 selected)**; click it to open the **Selected for Comparison** dropdown. /mnt/data/page.tsx: L1166–L1178, L1183–L1193
3. **Clear All** removes current selections (and clears persisted selections if signed in). /mnt/data/page.tsx: L1186–L1193, L891–L909
4. With **2 or more** selected, **View Comparison** appears; click to launch the comparison. /mnt/data/page.tsx: L1214–L1226

**5) Launch comparison & navigate details**

1. When you click **View Comparison**, the app verifies you have **≥2** selections, saves a **Recent Comparison** (if signed in), and navigates to /homecare/compare?providers=<comma-separated names>. Selections are **kept** for easy return. /mnt/data/page.tsx: L911–L919, L928–L951, L952–L959
2. To deep-dive into a single provider without comparing, use **View Details** on any card. /mnt/data/page.tsx: L1482–L1493

Inside **Provider Details**, you’ll find tabs: **Main**, **Package Costs**, **Service Costs**, **Services**, **Compliance**, **Coverage**, **Finance**. /mnt/data/page.tsx: L1666–L1676

* A **Statistical Comparison** scope switcher (Nationwide / State / Locality / Region) and a **Show Box Plots** toggle control the inline comparisons. /mnt/data/page.tsx: L1628–L1648, L1653–L1661
* Inline box-plots (when shown) display **Your provider**, **Minimum**, **25th percentile**, **Median**, **75th percentile**, **Maximum**, **Mean**, and optional **Sample size**; cost/budget fields render as **AUD** currency. /mnt/data/HomecareInlineBoxPlot.tsx: L144–L179, L111–L118

**6) Use your History panel to restore work**

* The **History** sidebar (left) shows **Recent Searches** (with count & applied filter badges) and **Recent Comparisons**, with **Clear** and **Delete** actions. /mnt/data/HistoryPanel.tsx: L48–L56, L67–L75, L106–L123, L146–L160, L200–L205
* Click a search to **restore** its term and filters; location-enhanced terms are parsed (e.g., *“term (Showing providers within ~20km of …)”*) so the system can reconstruct state. /mnt/data/page.tsx: L662–L676, L695–L705
* Show/hide the panel using the toggle button (shown as a history icon when hidden). /mnt/data/HistoryPanel.tsx: L40–L46, L57–L63

**Behavioral notes (loading, disabled, defaults)**

* **Initial data load**: providers and statistics are fetched on mount; failures don’t break the page (stats are optional), and loading state is set appropriately. /mnt/data/page.tsx: L264–L286, L289–L305
* **Search radius default**: 0.18 degrees ≈ **20km**. /mnt/data/page.tsx: L133–L137
* **SA2 region filter**: only available when you have saved SA2s; **Clear filter** button is shown with an applied SA2. /mnt/data/page.tsx: L1255–L1260, L1333–L1341
* **Saved button**: the **Saved (N)** button only opens a dropdown when N>0 (no-op otherwise). /mnt/data/page.tsx: L1102–L1112
* **Compare button**: the **Compare** button only opens the selection list when at least **1** item is selected; **View Comparison** only renders at **≥2**. /mnt/data/page.tsx: L1169–L1178, L1214–L1226
* **Compare cap**: adding a 6th selection blocks with an alert; max = **5**. /mnt/data/page.tsx: L827–L854
* **Persist/restore selections**: on load, the page reconciles persisted IDs with the loaded dataset, then sets the in-memory selection list. /mnt/data/page.tsx: L240–L256
* **No results**: a dedicated empty state appears with **Clear Search** (resets search & filters). /mnt/data/page.tsx: L1512–L1529
* **Box plots toggle**: default **on**; chart renders only when stats are loaded and the field is numeric. /mnt/data/page.tsx: L129–L130, L1021–L1031

**FAQ**

1. **How many providers can I compare at once?**  
   Up to **5**. Attempting to add a 6th shows an alert. /mnt/data/page.tsx: L827–L854
2. **What’s the minimum to enable “View Comparison”?**  
   **Two** selections. The button only appears at selectedForComparison.length >= 2. /mnt/data/page.tsx: L1214–L1226
3. **How do I open/close the History panel?**  
   Use the toggle in the top-left: when hidden, a history icon appears to show it; when visible, a **Hide History Panel** button is available. /mnt/data/HistoryPanel.tsx: L40–L46, L57–L63
4. **Where can I see or restore my recent searches/comparisons?**  
   In **History** → **Recent Searches** (with result counts & filter badges) and **Recent Comparisons** (with Clear/Delete). /mnt/data/HistoryPanel.tsx: L67–L75, L106–L123, L146–L160, L200–L205
5. **How do I save/unsave a provider?**  
   Click the **Save** button on a card (or in the details header). You must be signed in; the handler writes to Supabase. /mnt/data/page.tsx: L611–L619, L1611–L1623, L633–L655
6. **Do saved providers persist across sessions?**  
   Yes. The helpers write/read from homecare\_saved\_facilities. /mnt/data/savedHomecareFacilities.ts: L1–L8, L21–L31, L47–L55
7. **How are searches saved to history?**  
   The app saves search terms **on user actions** like **View Details** or **Save**—not on every keystroke. /mnt/data/page.tsx: L1484–L1490, L615–L617
8. **What does the inline box-plot show?**  
   Your value vs **Min, 25th, Median, 75th, Max, Mean** (and **Sample size**). Cost/budget fields are formatted in **AUD**. /mnt/data/HomecareInlineBoxPlot.tsx: L144–L179, L111–L118
9. **Where do I find cost and coverage info in details?**  
   Costs are under **Package Costs** and **Service Costs**; **Service Coverage** is under **Coverage**. /mnt/data/page.tsx: L1798–L1854, L1856–L1865, L2008–L2023
10. **Why is the “Saved (N)” button sometimes inert?**  
    It only opens when N>0; otherwise onClick is not set. /mnt/data/page.tsx: L1102–L1112
11. **Why can’t I open the Compare list or start a comparison?**  
    The list only opens when at least **1** is selected; **View Comparison** appears at **≥2**. /mnt/data/page.tsx: L1169–L1178, L1214–L1226
12. **Are comparison selections preserved if I navigate away?**  
    Yes. After starting a comparison, selections are intentionally **kept**. /mnt/data/page.tsx: L952–L959
13. **How are selection restorations handled on page load?**  
    The page fetches persisted selections and matches them to the current dataset before restoring. /mnt/data/page.tsx: L243–L256
14. **Is there a general Filter drawer?**  
    Yes, a **Filter Providers** component exists with sections and a **Clear All** action—but the page currently lacks the trigger to open it. /mnt/data/FilterSidebar.tsx: L96–L104, L124–L133, L150–L159, L206–L220, L180–L193; /mnt/data/page.tsx: (no render)

**Troubleshooting**

* **No results found**  
  You’ll see a “No providers found” panel. Click **Clear Search** to reset term and filters. If using SA2, also click **Clear filter** in the banner. /mnt/data/page.tsx: L1512–L1529, L1333–L1341
* **Can’t start comparison**  
  Make sure you’ve selected **at least two** providers; the button appears only then. /mnt/data/page.tsx: L1214–L1226
* **Hit the selection limit**  
  The page caps at **5** and shows an alert for the 6th. /mnt/data/page.tsx: L827–L854
* **Saved provider didn’t appear**  
  You must be signed in for save actions; the handler exits early if currentUser?.id is missing. /mnt/data/page.tsx: L611–L614
* **History is empty**  
  History items load for signed-in users on page load; clearing removes them. Some actions (like **View Details** and **Save**) add searches. /mnt/data/page.tsx: L1452–L156, L157–L164, L736–L744, L1484–L1490, L615–L617
* **Selections didn’t restore**  
  Restores only happen after **providers** and **persisted selections** are both available and you’re signed in. /mnt/data/page.tsx: L243–L256
* **Slow first load**  
  The page fetches the full providers dataset and optional statistics JSON on mount. /mnt/data/page.tsx: L268–L279, L289–L305

**Quick reference checklist**

* Search by text/location → hybrid text-first + ~20km enhancement. /mnt/data/page.tsx: L410–L423, L432–L447
* (Optional) Apply SA2 region and clear it if needed. /mnt/data/page.tsx: L1250–L1260, L1333–L1341
* Save/unsave providers (signed-in); manage via **Saved (N)**. /mnt/data/page.tsx: L611–L619, L1100–L1112
* Select up to **5** for comparison using the scale icon. /mnt/data/page.tsx: L796–L804, L827–L854
* Open **Compare (x/5)** → **View Comparison** when you have **≥2**. /mnt/data/page.tsx: L1166–L1178, L1214–L1226
* Open a provider’s **View Details** and explore tabs (Main, Costs, Services, Compliance, Coverage, Finance). /mnt/data/page.tsx: L1482–L1493, L1666–L1676
* Use **History** to restore searches/comparisons; clear/delete as needed. /mnt/data/HistoryPanel.tsx: L67–L75, L146–L160, L200–L205

**Open questions for PM/Eng**

1. **Filter drawer trigger & integration**  
   The HomecareFilterSidebar exists (with sections, counts, Clear All, Close) but is **not rendered** or imported in page.tsx. Confirm the intended open/close control and placement on the Home page. /mnt/data/FilterSidebar.tsx: L96–L112, L124–L133, L150–L159, L206–L220, L180–L193; /mnt/data/page.tsx: (no usage)
2. **Auth requirement messaging**  
   Save and history handlers bail out if currentUser?.id is missing. Should the UI surface a sign-in prompt when users attempt these actions? /mnt/data/page.tsx: L611–L614, L582–L592
3. **Comparison persistence store**  
   The page reads/writes selections and histories through functions (e.g., saveHomecareComparisonToHistory, getHomecareComparisonSelections) but source code for these helpers isn’t in the provided files. Confirm behavior for cross-device sync and retention limits. /mnt/data/page.tsx: L928–L938, L165–L168, L240–L256
4. **Search history save heuristics**  
   Currently saved on **View Details** / **Save** interactions only. Should **Enter** in the search field or a dedicated **Search** action also log to history? /mnt/data/page.tsx: L1484–L1490, L615–L617
5. **SA2 UX**  
   The SA2 dropdown includes a link to **Insights**. Confirm if selecting an SA2 should also persist to history and whether more SA2 metadata should be shown. /mnt/data/page.tsx: L1293–L1301, L1304–L1313

**Screenshot (placeholder)**

Here’s a concise, copy-pasteable reference for the inline box-plots used on the Homecare **Details** view—covering props, metrics, scopes, and formatting.

# Box-plot metrics & scopes — Inline comparisons (Homecare)

## Where the box-plots appear

* Box-plots render next to numeric fields in the **Details** tabs when **Show Box Plots** is on. The toggle and scope buttons (Nationwide / State / Locality / Region) live in the Details header; selectedScope defaults to "nationwide" and showBoxPlots defaults to true.
* Rendering only happens when the value is numeric, a fieldName is provided, statistics are available for that field in the current scope, and stats loading has finished.

## Component & props

* Component: HomecareInlineBoxPlot  
  Props:
  + fieldName: string
  + currentValue: number
  + statistics: { min, q1, median, q3, max, mean, count? } | null
  + scope: 'nationwide' | 'state' | 'locality' | 'service\_region'
  + width?: number (default 120)
  + height?: number (default 32)

## Metrics shown (tooltip)

* The tooltip lists: **Your provider** (the current value), **Minimum**, **25th percentile (Q1)**, **Median**, **75th percentile (Q3)**, **Maximum**, **Average (mean)**, and **Sample size** when count is present. Scope label resolves to **Nationwide**, **State**, **Locality**, or **Service Region**.

## How the chart is drawn

* The chart uses ECharts with a single **boxplot** series and a **scatter** dot at the provider’s current value. The x-axis is hidden and padded to min\*0.9 and max\*1.1 to give the dot and whiskers some breathing room. Animations are disabled.

## Formatting behavior

* **Currency in tooltip:** If fieldName contains "cost" or "budget", values render as **AUD** using en-AU formatting. Otherwise, values are shown as plain numbers.
* **Currency in field value (outside tooltip):** In the Details view, the raw field value is also formatted as currency when the fieldName matches common finance patterns (e.g., cost, finance, income, expenditure, rate, hourly, surplus, deficit).

## Where the statistics come from & how scope works

* Page load fetches homecare\_statistics\_analysis.json and stores it in statisticsData. A separate statsLoading flag controls readiness.
* getStatisticsForScope() picks stats for the current scope:
  + **nationwide:** statisticsData.nationwide
  + **state:** first match where groupName === selectedProvider.provider\_info.address.state
  + **locality:** first match where groupName === selectedProvider.provider\_info.address.locality
  + **service\_region:** first match where groupName === selectedProvider.cost\_info.service\_region
* Field lookup supports either scopeStats.fields[fieldKey] or scopeStats[fieldKey]—so the stats file can be shaped with a fields map or top-level keys.

## When a plot will (and won’t) render

A box-plot for a row will render when **all** are true:

1. the field’s value is numeric, 2) fieldName is provided, 3) showBoxPlots is on, 4) statsLoading is false, and 5) statistics exist for that fieldName in the selected scope. Otherwise nothing extra is shown next to the value.

## Example field keys used with box-plots

You’ll see these passed into renderField(…, fieldName) throughout the **Details** tabs (non-exhaustive):

* management\_costs\_care\_management\_level\_1\_fortnightly, …\_level\_2\_fortnightly, …\_level\_3\_fortnightly, …\_level\_4\_fortnightly (Package Costs)
* management\_costs\_package\_management\_level\_1\_fortnightly, …\_level\_2\_fortnightly, …\_level\_3\_fortnightly, …\_level\_4\_fortnightly (Package Management)
* package\_budget\_hcp\_level\_1\_fortnightly (Package Budget)
* service\_costs\_personal\_care\_standard\_hours, …\_non\_standard\_hours, …\_saturday, …\_sunday, …\_public\_holidays (Service Costs → Personal Care). Similar patterns exist for **Nursing** and **Cleaning & Household**.
* travel\_costs\_per\_km\_rate (Travel Costs)
* finance\_info\_financials\_expenditure\_total, finance\_info\_financials\_income\_total, finance\_info\_financials\_budget\_surplus\_deficit\_value, and selected **staff pay** metrics (Finance tab)

## Quick notes for authors of the stats file

* Ensure field keys in the stats match the fieldName strings used by the UI (examples above). The component tolerates { fields: { key → stats } } or { key → stats } per scope group.
* Include mean and (optionally) count for richer tooltips; count shows “Sample size”.

**Related sources**: Inline chart/tooltip & formatting logic (HomecareInlineBoxPlot) • Scope selection, data loading, toggle, and render conditions (Homecare page)

# Appendix — Saved Providers (high-level model & helpers)

This appendix documents the saved-providers data shape we can reliably infer from the Home page code, plus the helper functions used to **save / list / delete / clear** saved providers. Where implementation details (e.g., exact Supabase RPC names) aren’t present in the uploaded files, they’re listed under **Open questions for PM/Eng**.

## What the UI and state tell us

* Saved providers are **account-linked**. Every save/unsave/clear path **early-returns without a user** (currentUser?.id), which means persistence is gated by sign-in (/auth) and tied to the current user session. (/mnt/data/page.tsx)
* The page loads the user’s saved providers **on mount** and stores them in savedProviders: SavedHomecareProvider[]. (/mnt/data/page.tsx)
* The header exposes a **Saved (n)** button that opens a dropdown (when n > 0) listing saved items, with **Clear All**, **remove one (X)**, **View Saved Providers**, and a click target to **open details** for a saved provider. (/mnt/data/page.tsx)
* There’s also a **Saved Providers view** (full page section) that lists cards with fields and a per-item **delete** action. (/mnt/data/page.tsx)
* Saving/unsaving from **list cards** and the **details view** updates both the server and the local UI (provider.isSaved across providers and filteredProviders). (/mnt/data/page.tsx)

## Data model (as used by the UI)

Type name referenced: SavedHomecareProvider (imported where helpers are imported). The following fields are **observed** in the UI and therefore expected to exist on saved rows or the helper return object. (/mnt/data/page.tsx)

| **Field (inferred)** | **Purpose in UI** |
| --- | --- |
| provider\_id: string | Stable identifier; used for remove/unsave actions and keys. |
| provider\_name: string | Primary label in lists/cards. |
| service\_area?: string | Shown on cards in Saved view. |
| organization\_type?: string | Shown on cards in Saved view. |
| address\_locality?: string | Displayed in dropdown and cards. |
| address\_state?: string | Displayed in dropdown and cards. |
| address\_postcode?: string | Displayed in cards. |
| contact\_phone?: string | Displayed if present on cards. |
| contact\_email?: string | Passed to save helper as optional parameter. |
| `saved\_at: string | Date` |

All of the above appear in render paths for the header dropdown or Saved view cards (e.g., name, locality/state, timestamps) and in how the save helper is invoked with those fields. (/mnt/data/page.tsx)

**Note**  
The on-screen provider list also tracks provider.isSaved (boolean) to style Save/Unsave buttons after persistence. That flag is part of the page’s local provider objects, not necessarily stored in the saved table. (/mnt/data/page.tsx)

## Helper functions (save / list / delete / clear)

Helpers are imported from ../../lib/savedHomecareFacilities and used throughout the Home page. Their **signatures and effects** below are derived from call sites. (/mnt/data/page.tsx)

1. **getUserSavedHomecareProviders(userId) → SavedHomecareProvider[]**  
   Used after loading the current user to populate savedProviders. (/mnt/data/page.tsx)
2. **saveHomecareProvider(userId, provider\_id, provider\_name, service\_area, organization\_type, address\_locality, address\_state, address\_postcode, contact\_phone, contact\_email?) → SavedHomecareProvider**  
   Called when the user taps **Save**. The returned row is unshifted into state ([savedProvider, ...prev]). (/mnt/data/page.tsx)
3. **deleteSavedHomecareProvider(userId, provider\_id) → void**  
   Used by **Unsave** on list cards, **X** in the Saved dropdown, and **delete** buttons in the Saved view. Local state is filtered by provider\_id and isSaved flags are cleared across lists. (/mnt/data/page.tsx)
4. **clearUserSavedHomecareProviders(userId) → void**  
   Powers **Clear All** in the Saved dropdown. Clears list and resets isSaved flags across visible providers. (/mnt/data/page.tsx)
5. **isHomecareProviderSaved(userId, provider\_id) → boolean** (imported but not used in this page)  
   Likely intended to check initial saved status; not referenced by current UI paths. (/mnt/data/page.tsx)

**Tip**  
Every mutating call above first validates currentUser?.id. If there’s no user, the handlers return early—useful to prevent accidental anonymous writes. (/mnt/data/page.tsx)

## UI touchpoints & flows (where helpers are used)

* **Header → “Saved (n)” dropdown**
  + Shows a count, opens only when n > 0, lists items with **X** remove, has **Clear All**, and a **View Saved Providers** button. Actions call deleteSavedHomecareProvider or clearUserSavedHomecareProviders. Clicking a row opens details. (/mnt/data/page.tsx)
* **Provider list cards**
  + **Save** toggles call saveHomecareProvider/deleteSavedHomecareProvider and update isSaved locally; **View Details** also available. (/mnt/data/page.tsx)
* **Saved Providers view**
  + Full list of saved rows with metadata (service area, org type, address, phone, saved date) and per-item **delete**. (/mnt/data/page.tsx)

## Behavioral notes & edge-cases observed

* **Auth-guarded writes:** All save/unsave/clear operations are **no-ops without currentUser.id**. (/mnt/data/page.tsx)
* **Dropdown gating:** The Saved dropdown **only opens when there is at least one saved item** (savedProviders.length > 0). (/mnt/data/page.tsx)
* **State synchronization:** After save/unsave/clear, the page **synchronizes** savedProviders and clears/sets provider.isSaved across both providers and filteredProviders. (/mnt/data/page.tsx)
* **Return value expectation:** saveHomecareProvider returns a **complete SavedHomecareProvider row**, immediately inserted into the list. (/mnt/data/page.tsx)

## Open questions for PM/Eng (Supabase specifics missing from files)

The exact Supabase schema / RPC names aren’t present in the uploaded code. Please confirm the following so we can finalize this appendix:

1. **Tables & RLS**
   * Table name for saved providers, PK/unique constraints (user\_id + provider\_id?), and **Row-Level Security** policies. (helpers imported but implementation not shown)
2. **RPC vs. direct DML**
   * Are saveHomecareProvider, deleteSavedHomecareProvider, clearUserSavedHomecareProviders, getUserSavedHomecareProviders implemented as **RPCs** or **client-side PostgREST** calls? Please provide **RPC function names & signatures**. (helpers implementation not available)
3. **Conflict handling**
   * Upsert behavior for repeated saves; expected error codes on duplicates, and idempotency requirements. (not visible)
4. **Ordering & pagination**
   * Default sort (e.g., saved\_at DESC) and pagination limits for getUserSavedHomecareProviders. (not visible)
5. **Timestamps**
   * Timezone strategy for saved\_at (UTC vs local) to match UI date formatting. (not visible)
6. **Partial data**
   * Which fields are **required** vs **optional** at save time (e.g., contact\_email is optional in calls)? (derived from call site only)
7. **Bulk clear semantics**
   * clearUserSavedHomecareProviders scope (only current user, all rows) and any confirmation dialog requirements beyond the current UI. (not visible)

## Where this is used in code (quick pointers)

* **Imports & types** for saved providers helpers and SavedHomecareProvider. (/mnt/data/page.tsx)
* **Load & set** saved providers after user fetch. (/mnt/data/page.tsx)
* **Save/Unsave handlers** and **Clear All** with local state sync. (/mnt/data/page.tsx)
* **Header dropdown & Saved view** rendering saved rows and per-item delete. (/mnt/data/page.tsx)

If you share the actual savedHomecareFacilities.ts implementation (RPC names, table definitions), I can extend this appendix with exact schema, constraints, and error handling paths.