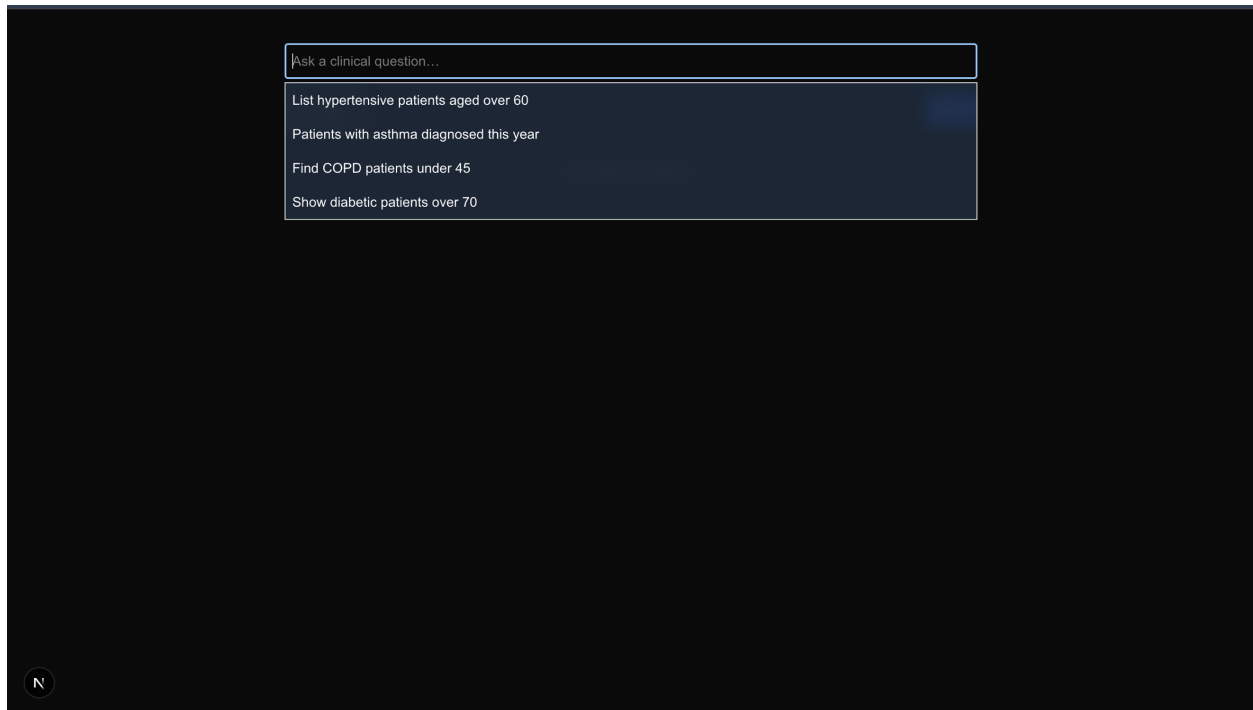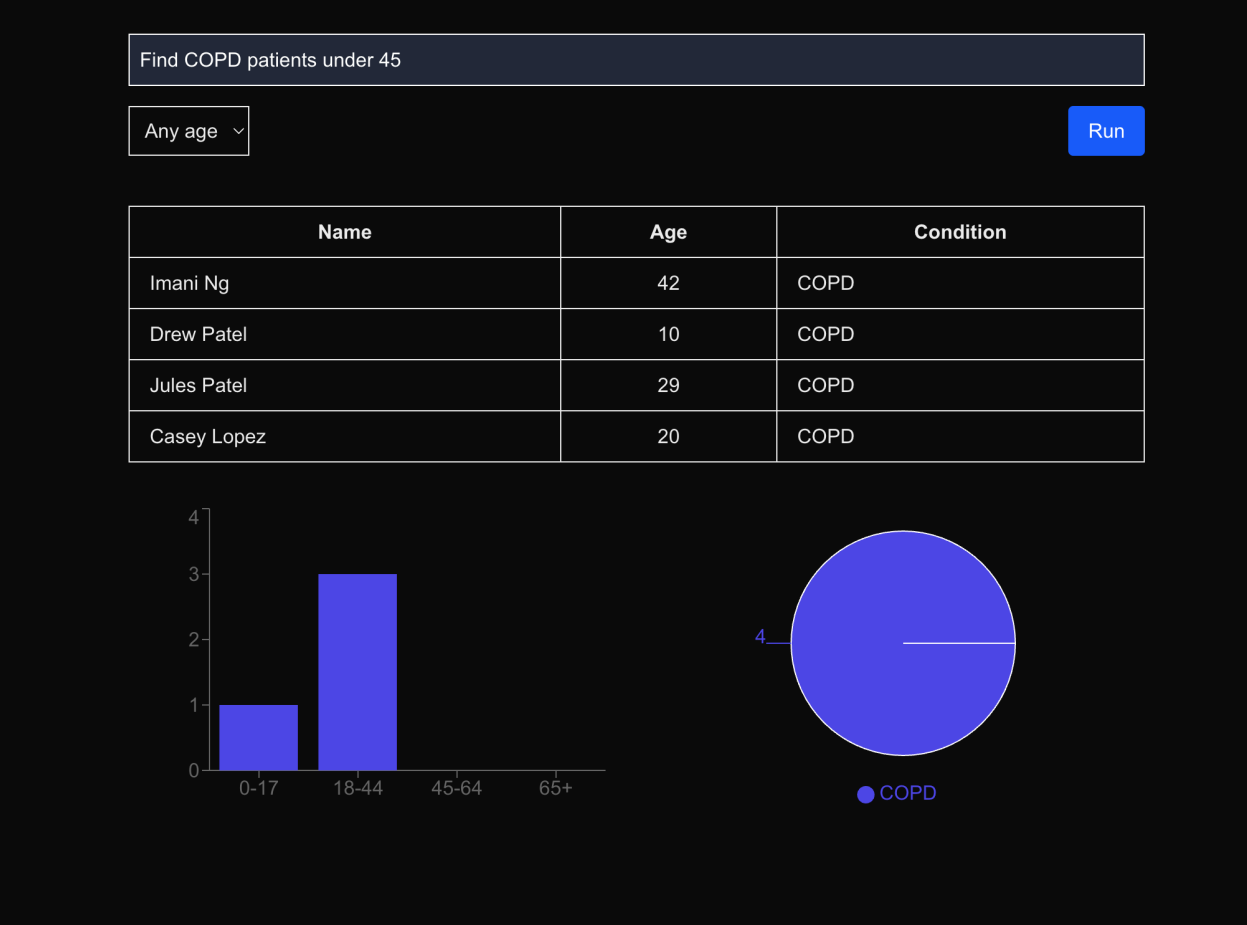# AI on FHIR – Demo Walk-through & Feature Highlights

Instant query suggestions – the combobox offers four ready-made clinical questions as you start typing.

Find COPD patients		
Any age ⌄		Run

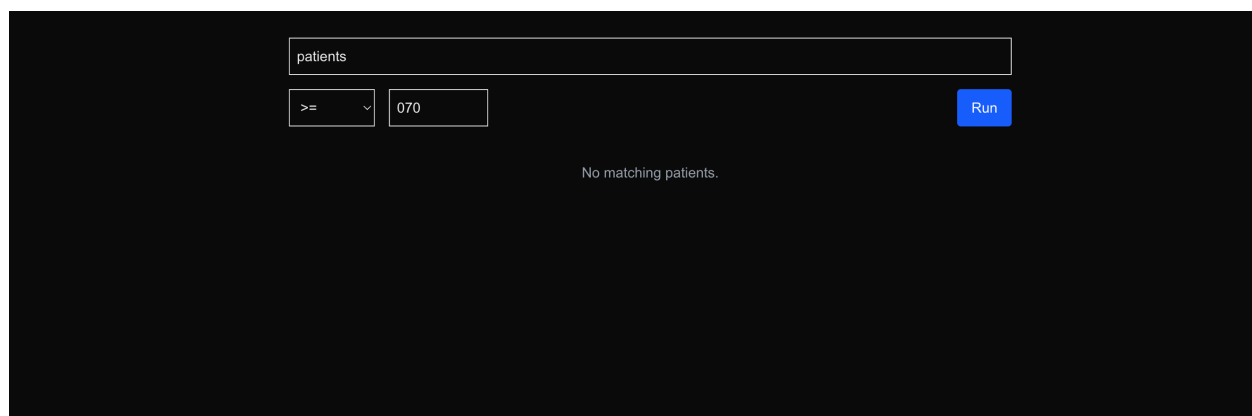| Name	Age	Condition
Blair Lopez	77	COPD
Drew Lopez	74	COPD
Evan Patel	52	COPD
Imani Ng	42	COPD
Drew Patel	10	COPD
Gail Ng	65	COPD
Jules Patel	29	COPD
Casey Lopez	20	COPD

Combining natural-language search with numeric filters – here we search for *"Show diabetic patients"* and restrict the cohort to **age ≥ 70**; the bar-and-pie charts update automatically.

Find COPD patients under 45

Any age ⌄   Run

Name	Age	Condition
Imani Ng	42	COPD
Drew Patel	10	COPD
Jules Patel	29	COPD
Casey Lopez	20	COPD

Age-specific cohort – asking *"Find COPD patients under 45"* returns only younger patients and shows the shifted age-distribution.

Broad cohort view – the same COPD query **without** an age filter returns the full mock population and reveals a bimodal age profile.

Empty state view – shows search results when query yields no hits

```
PROBLEMS  1    OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS                                        +

....                                                                                 [100%]
================================================= warnings summary =================================================
.venv/lib/python3.12/site-packages/spacy/cli/_util.py:23
  /Users/darshanhari/Documents/GitHub/ai-on-fhir-/.venv/lib/python3.12/site-packages/spacy/cli/_util.py:23: DeprecationWar
ning: Importing 'parser.split_arg_string' is deprecated, it will only be available in 'shell_completion' in Click 9.0.
    from click.parser import split_arg_string

.venv/lib/python3.12/site-packages/weasel/util/config.py:8
  /Users/darshanhari/Documents/GitHub/ai-on-fhir-/.venv/lib/python3.12/site-packages/weasel/util/config.py:8: DeprecationW
arning: Importing 'parser.split_arg_string' is deprecated, it will only be available in 'shell_completion' in Click 9.0.
    from click.parser import split_arg_string

-- Docs: https://docs.pytest.org/en/stable/how-to/capture-warnings.html
4 passed, 2 warnings in 0.75s
○ (.venv) darshanhari@Darshans-Laptop ai-on-fhir- %

                                            Ln 29, Col 1    Spaces: 4   UTF-8   LF  {} Markdown
```

Backend integrity verified — all 4 pytest cases pass in < 0.5 s, confirming age-filter logic and FHIR URL generation work as expected