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Data-driven Decarbonisation: Unlocking Scope 3 Action

PSDScotland Scope 3 Dashboard

Data-driven Decarbonisation:

Why data matters

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Why Data Matters: From Intuition to Insight

Show of hands

Who thinks buying a house in the UK is more expensive now than 20 years ago?

2006	2025
~£180,000	**~£270,000**

Office for National Statistics (ONS), released 18 September 2026, ONS website, statistical bulletin, Mortgage statistics, UK: 2025

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House price

Interest rates

Income

Mortgage repayments

Measure	2006	2025
Mortgage loan-to-income ratio (first-time buyers)	3.3× income	**3.6× income**
Property value-to-income ratio (first-time buyers)	3.7× income	**4.3× income**

Office for National Statistics (ONS), released 18 September 2026, ONS website, statistical bulletin, Mortgage statistics, UK: 2025

Carbon Emissions

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Electricity used in hospitals

Gas used for heating buildings

NHS fleet fuel consumption

Staff commuting miles

Business travel journeys

Medical equipment and supplies purchased

Clinical and general waste volumes

Why good-quality data matters

- Establish the baseline
- Target effort
- Test changes consistently
- Learn, scale and share what works
- Builds trust

Good-quality data should be fit for purpose, rather than perfect

Our Vision

Our Ambitions

Our Expected Outcomes

Our Core Priorities

Our Enabling Priorities

Enabling Health Boards & Action

Trusted sustainability data that empowers every NHS Scotland health board to make confident decisions, reduce reporting burden and accelerate climate action.

Trusted and Consistent Sustainability Data

Build confidence in sustainability reporting through clear standards, shared processes and continuous improvement, so sustainability data can be trusted across NHS Scotland and beyond.

- Consistent national standards in use
- Reduced inconsistency
- Visible and proportionate data quality assurance
- Increased confidence and trust in data
- Proportionate reporting expectations

Insight-Led Reporting and Action

Provide timely, reliable sustainability data that supports analysis, reporting and confident, evidence-based decision-making that delivers measurable improvement.

- Data can be analysed and used without additional manual effort
- Sustainability data informs decisions and action
- Timely access to validated national data
- Reduced reporting effort through automation and standardisation
- Data quality is visible alongside reported data

People, Culture and Learning

Create a well-governed sustainability data environment where clear roles, collaboration and shared learning build capability across all health boards.

- Clear and consistent governance roles
- Sustainability data is designed into systems and processes
- Capability is built and sustained across NHS Scotland
- Collaboration reduces duplication
- Alignment beyond NHS Scotland

1. Governance and accountability
2. National data standards
3. National Sustainability data platform
4. Automation
5. Data Quality Monitoring
6. Working together
7. Building capability and resilience

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Data-driven Decarbonisation: Unlocking Scope 3 Action

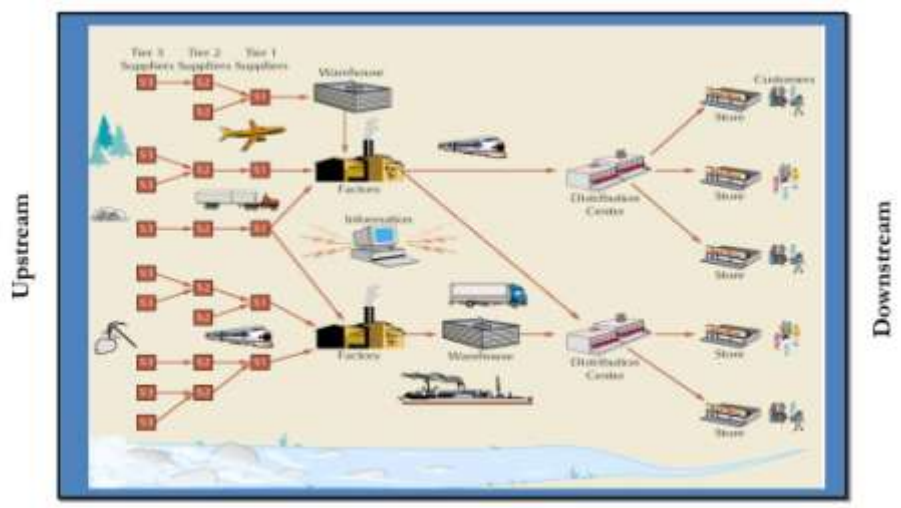
PSDScotland Scope 3 Dashboard

Scope 3 action starts with visibility

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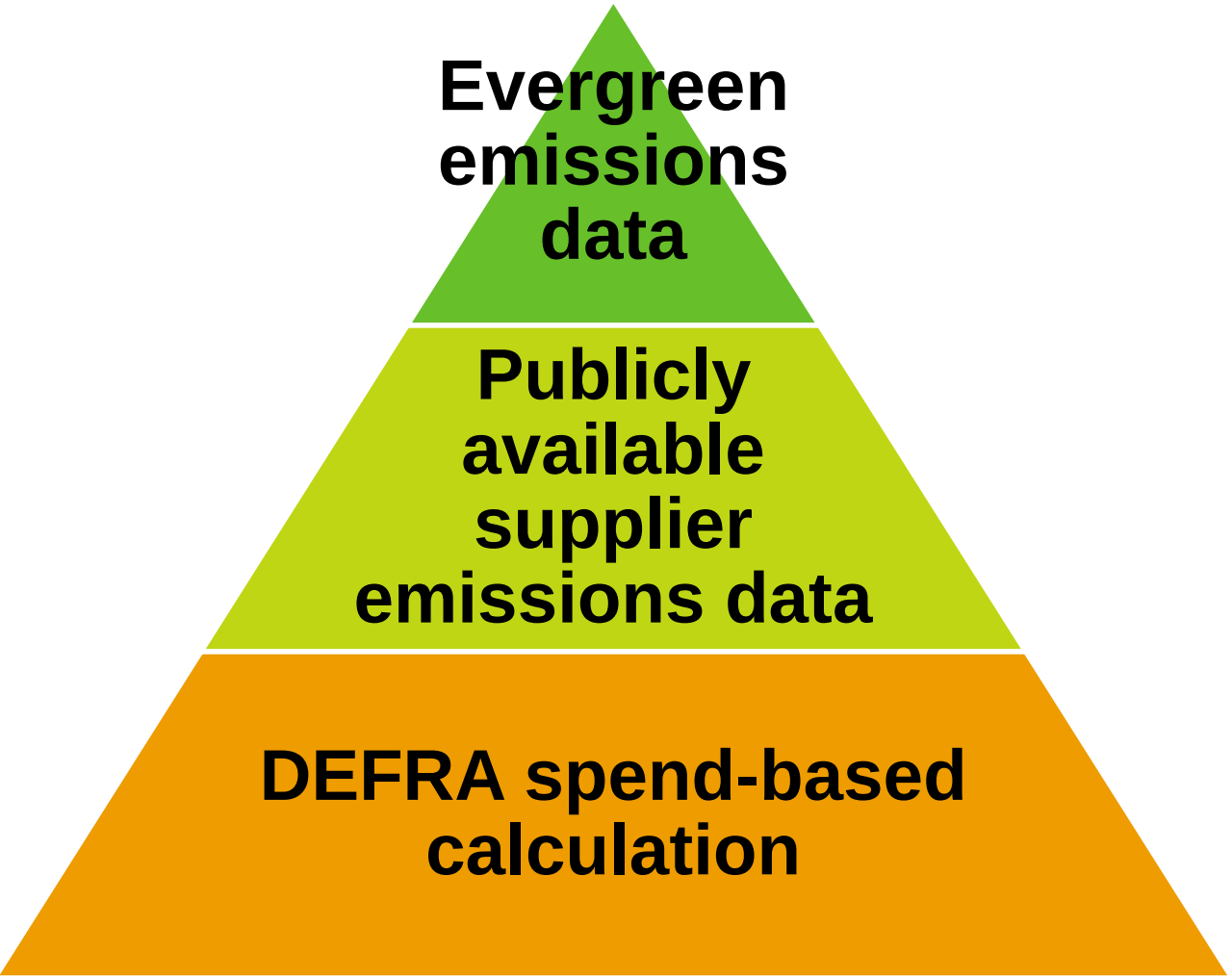




Spend-based estimate → **Supplier-specific evidence** → **Prioritised action**

- ❑ Scope 3 emissions are distributed across a complex supply chain
- ❑ Traditional spend-based calculations provide a baseline, but limited visibility of actual supplier performance
- ❑ Better decisions require transparent, attributable and increasingly supplier-specific data

A pragmatic data hierarchy



“Attributed NHSScotland emissions = supplier emissions apportioned using NHS spend relative to supplier turnover”

Turning carbon data into decisions

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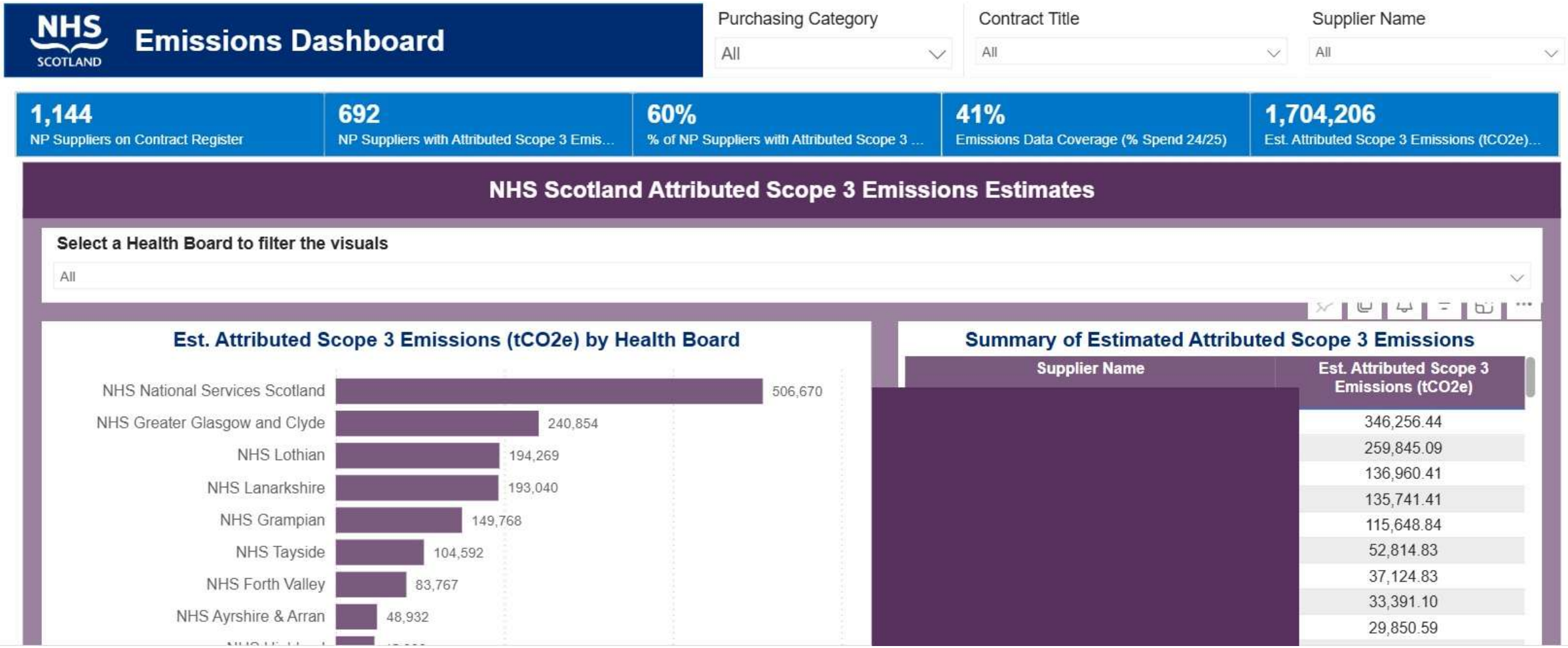


The value of the dashboard is not the number. It is the decision it enables.

Dashboard NHSScotland view

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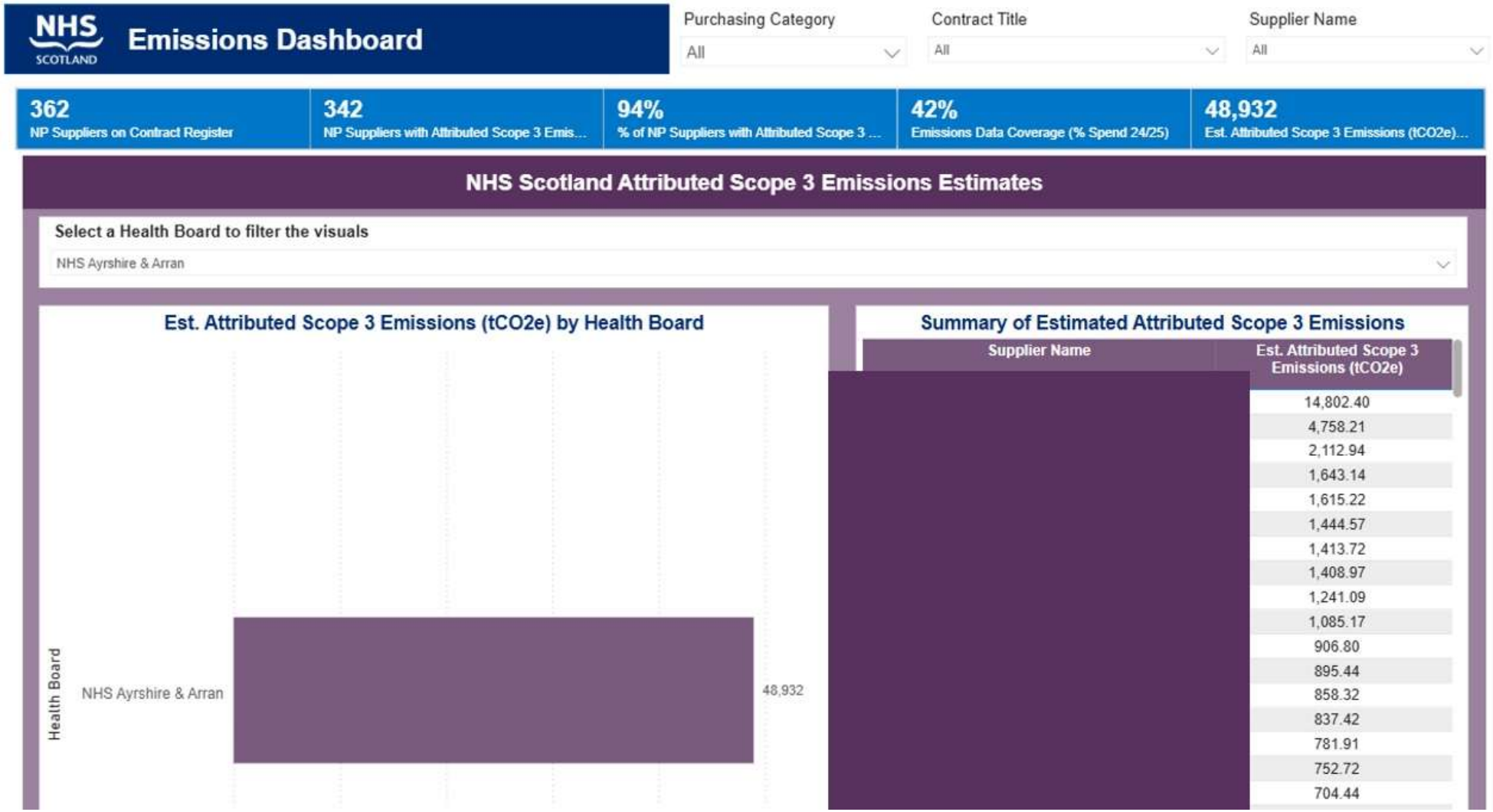
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Health Board view

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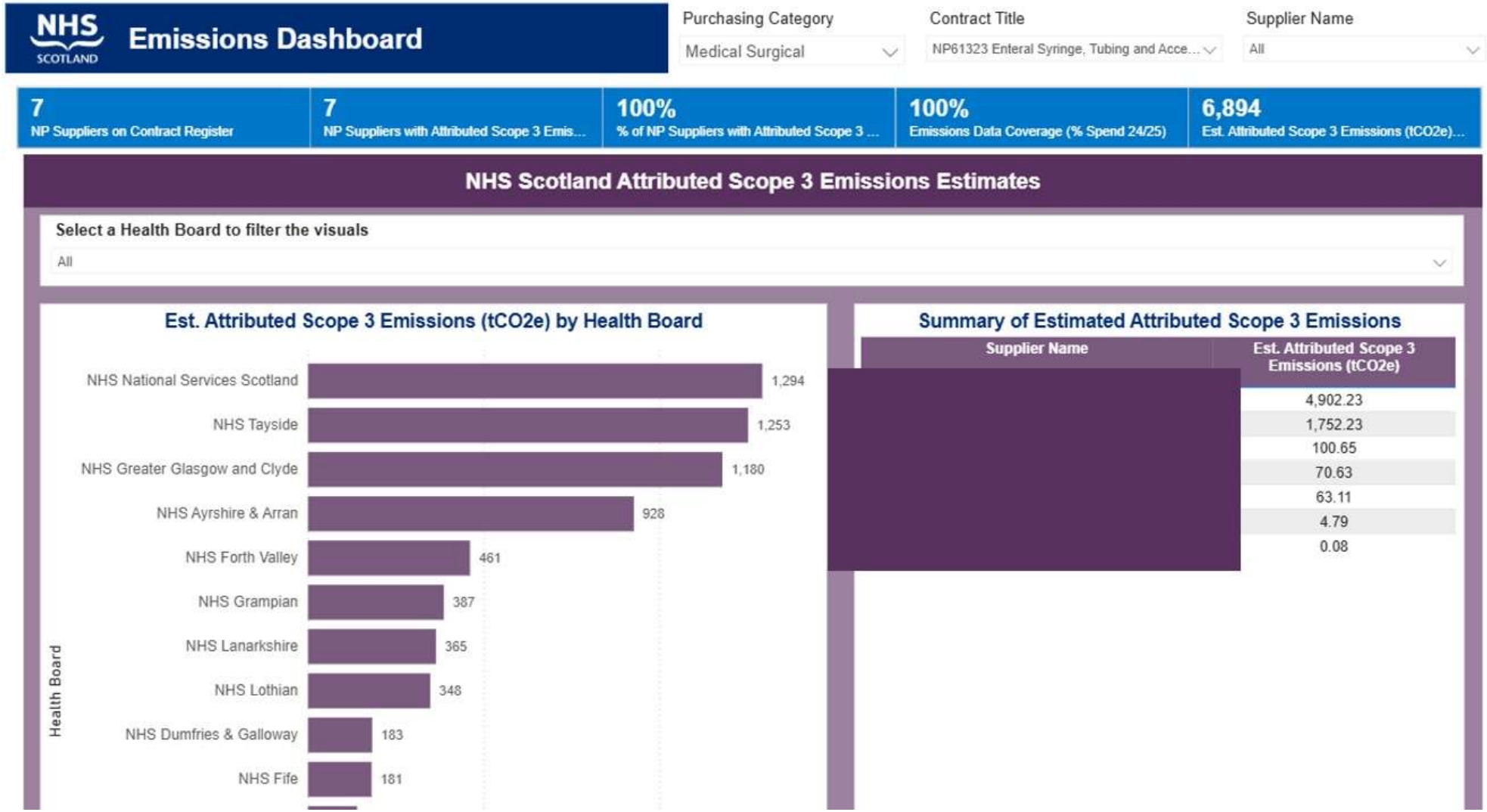
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Spend category / contract view

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Data provenance and confidence

Glossary

- **Annual Turnover** - The supplier's reported annual revenue or turnover for the relevant reporting period used to calculate attributed emissions.
- **Attributed Emissions** - The proportion of a supplier's emissions estimated to be associated with NHS Scotland procurement activity.
- **Emissions and Turnover Found** - Both supplier emissions and annual turnover data were identified, enabling a supplier-specific attributed emissions calculation.
- **Emissions Data Coverage (% Spend)** - Percentage of NHS Scotland spend covered by suppliers with an Estimated Attributed Scope 3 Emissions value.
- **Emissions Found, No Turnover** - Supplier emissions data was identified, but no suitable turnover data was available.
- **Emissions Notes and Commentary** - Additional information, assumptions and limitations relating to the emissions data used.
- **Emissions Source** - The original source document or publication used to obtain emissions data.
- **Estimated Attributed Scope 3 Emissions (tCO_2e)** - An estimate of the proportion of a supplier's emissions attributable to NHS Scotland procurement activity.
- **Evergreen** - An NHS England for capturing annual supplier sustainability information. Used as the primary data source when emissions data for respective suppliers is captured.
- **Health Board Attributed Emissions** - Estimated attributed Scope 3 emissions allocated to a specific NHS Scotland Health Board based on supplier spend.
- **NHS Scotland Spend** - The total value of purchases made by NHS Scotland from a supplier during the reporting period.
- **NHS Spend Identified** - NHS Scotland spend has been identified and included within the calculation.
- **No Data** - No suitable emissions or turnover information could be identified for the supplier.
- **No Emissions, Turnover Found** - Supplier turnover data was identified, but no suitable emissions data was available.
- **No NHS Spend** - No NHS Scotland spend was identified for the supplier
- **Number of NP Suppliers on Contract Register** - Total number of suppliers included within the National Procurement (NP) Contract Register.
- **Number of NP Suppliers with Attributed Scope 3 Emissions** - Number of suppliers for which an Estimated Attributed Scope 3 Emissions value has been calculated.
- **Record Completeness** - An assessment of the availability and quality of emissions, turnover and spend data for a supplier.
- **Reported Scope 1 Emissions (tCO_2e)** - The supplier's published Scope 1 greenhouse gas emissions.
- **Reported Scope 2 Emissions (tCO_2e)** - The supplier's published Scope 2 greenhouse gas emissions.
- **Reported Scope 3 Emissions (tCO_2e)** - The supplier's published Scope 3 greenhouse gas emissions.
- **Scope 1 Emissions** - Direct greenhouse gas emissions from sources owned or controlled by the supplier.
- **Scope 2 Emissions** - Indirect greenhouse gas emissions associated with purchased electricity, heating, cooling or steam consumed by the supplier.
- **Scope 3 Emissions** - Indirect greenhouse gas emissions generated throughout a supplier's value chain, including purchased goods and services, transportation, waste and business travel.
- **Source** - The methodology or data source used to calculate the supplier's attributed emissions estimate.
- **Spend-Based (Defra)** - A fallback methodology that uses NHS Scotland spend data and Defra greenhouse gas conversion factors where supplier-specific emissions data is unavailable.
- **Spend-Based Calculation Applied** - Supplier-specific emissions data was unavailable and a Defra spend-based calculation was used.
- **tCO_2e (Tonnes of Carbon Dioxide Equivalent)** - The standard unit used to measure greenhouse gas emissions.
- **Turnover Notes and Commentary** - Additional information, assumptions and limitations relating to the turnover data used.
- **Turnover Publication Date** - The publication date of the turnover source used within the calculation.
- **Turnover Reporting Period** - The financial year or reporting period to which the turnover figure relates.
- **Turnover Source** - The original source document or publication used to obtain turnover information.
- **Web Search** - An automated research methodology used where emissions and/or turnover data is unavailable or incomplete within Evergreen.
- **% of NP Suppliers with Attributed Scope 3 Emissions** - Percentage of NP-contracted suppliers for which an attributed emissions estimate is available.

- Data quality assessments and completeness indicators.
- Supporting notes, assumptions and commentary.

Emissions Reporting Period

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Honesty on the limitations, ambitious on our direction

What the dashboard can do now:

- ❑ Create greater visibility
- ❑ Support reporting and prioritisation
- ❑ Make data sources transparent
- ❑ Enable more informed supplier discussions
- ❑ Provide a scalable platform for improvement

What must improve next:

- ❑ More complete and consistent supplier disclosure
- ❑ Better standardisation and supplier identifiers
- ❑ More accurate contract and Board-level procurement data
- ❑ Clearer alignment of reporting periods
- ❑ Greater product-level granularity
- ❑ More repeatable and automated data capture

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Thank you.

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