

# APF Full Electoral Register

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# Introduction

## Full Electoral Register Data Information

This guide provides an overview of the AddressBase® Premium with Full Electoral Register Additional Dataset.

For general information about the AddressBase® Premium (APR) data, see the *AddressBase® Premium Data Guide*.

You must have the APR Address Dataset installed to use the Full Electoral Register Additional Dataset.

## APRFER Full Electoral Register Additional Dataset

Use of the Full Electoral Register is restricted to organisations who are legally entitled to use it for specified purposes.

Dataset Code:	APRFER
Approximate Data Size:	2 GB
Data Source:	Ordnance Survey AddressBase® Dataset. All data, extracts and updates © Crown copyright and database rights 2019 Ordnance Survey 100019885 and © Local Government Information House Limited copyright and database rights 2019 100019885. This product contains data created and maintained by Scottish Local Government. The Full Electoral Register © Experian Ltd.
Update Frequency:	Every six weeks
Expiry:	Data files will expire 8 months after creation. Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.

The Full Electoral Register contains the name and address of every individual registered to vote at the time of the Electoral Canvass in the previous year. If an individual is due to reach their eighteenth birthday during the following year then their date of birth is also included.

The Full Electoral Register is compiled by Experian who receive local versions of the Full Electoral Register from all the local authorities in the UK. The majority of the data is collected during the Electoral Canvass that takes place in the October of the year preceding the release.

Local authorities run a rolling registration process which enables people to register to vote at any time of the year following a change of address. Experian receives rolling register updates quarterly and incorporates this data into the next release of the APRFER Full Electoral Register dataset.

## List Of Available Data Files

File Name	File Type	Comment
aprfer.ads	Additional Dataset	Additional data file, to be used with the main APR dataset.
aprfer.zlx	Single Line Index File	Indexing data for use with Single Line searching.
aprfer.tpx	Typedown Index File	Indexing data for use with Typedown searching.
.dap	DataPlus Set	DataPlus data. See <a href="#">"DataPlus Sets For APRFER Full Electoral Register Data" on page 7</a> for a list of available DataPlus sets.
aprgrd.gdx	Grid Index File	Indexing data for use with Locator searching in NameTracer.
aprgrd.rdi	Radius Index File	Indexing data for use with Radius searching in NameTracer.

# About This Data

## Area Covered

The Full Electoral Register Additional Dataset contains information for addresses in the following areas:

Name of Dataset	England	Scotland	Wales	N. Ireland	Isle of Man	Channel Islands
APRFER Full Electoral Register	✓	✓	✓			

## Address Elements

The following address elements are specific to the APRFER Full Electoral Register data files. For a full list of address elements, see the *APR Data Guide*.

Address Element	Example	Element Code
Title	Mr	N23
Forename	Robert	N21
Submitted Forename	Bob	N21
Middle Initial	S	N22
Surname	Watts	N11

## About DataPlus Information

You can configure your Experian products to use any of the DataPlus sets that are available for APR Address data and the APRFER Full Electoral Register data. Please refer to the relevant section of the product documentation for information on configuring Experian products to return DataPlus information.

Each DataPlus set (.dap) is divided into one or more items. Experian products can be configured to return these items via the Configuration Editor (using the element name) or the configuration file (using the code name). This section details the DataPlus sets currently available for APRFER Full Electoral Register Additional Dataset.

In addition to these DataPlus sets, APRFER Full Electoral Register Data can also use the DataPlus sets that are available for APR data. See the *AddressBase® Premium Data Guide* for details of these DataPlus sets.

## DataPlus Sets For APRFER Full Electoral Register Data

The following DataPlus sets are available with APRFER Full Electoral Register Data:

- "Date of Birth" on page 8
- "Individual Length of Residency" on page 8
- "Individuals on Public Register" on page 8
- "AddressBase® Match Quality" on page 9
- "Approximate Grid Information" on page 10

The APR Grid Information DataPlus file (aprgrd.dap) is also included with the APRFER data files. For a full description of this DataPlus set, see the *AddressBase® Premium Data Guide*.

## Date of Birth

**Identifier:** APRFDB

The APRFDB DataPlus set returns the date of birth for a given name.

Date of birth information is obtained from the Full Electoral Register by Experian.

Element	Code	Description
Date of Birth	Date	Date of birth in DD/MM/YYYY format.

## Individual Length of Residency

**Identifier:** APRFLR

The APRFLR DataPlus set returns the length of residency, in years, for a given name at a given address.

Element	Code	Description
Years of Residency	Years	Number of continuous years that an individual has been at the address given in the Electoral Register. A value of <b>0</b> indicates that they are a new resident at this address.

If the name has not been entered in exactly the same way each year into the Electoral Register, then the Years of Residency will reset to 0.

## Individuals on Public Register

**Identifier:** APRFIE

The APRFIE DataPlus set returns information about whether or not a given name is present on the Edited Electoral Roll.

If an individual is present on the Edited Electoral Roll, then their data can be used by a third party for any lawful reason (as governed by Experian's terms and conditions). If the individual is not present, then their details are only available on the Full Electoral Register and must only be used in accordance with the appropriate legislation.

Element	Code	Description
On Edited Electoral Register?	OnEditReg	Indicates whether an individual is present on the Edited Electoral Roll. The value of this item is <b>Yes</b> if the person is present on the database, or <b>No</b> if they are not.



## AddressBase® Match Quality

Identifier: APRQAL

The APRQAL DataPlus set returns a quality assessment of the match made for a given address between the APRFER Full Electoral Register dataset and the core AddressBase® data.

Element	Code	Description	
AddressBase® Quality of Address	Address	0	Full postal address match.
		1	Exact organisation and full postal address match.
		2	Close organisation and full postal address match.
		3	Full premise-level match - additional organisation or sub-premise information exists on AddressBase®.
		4	Partial premise level match - non-AddressBase® sub-premise information added.
		5	Street level match - non-AddressBase® premise information added.
		6	Place level match - non-AddressBase® premise and street information added.
		9	Address unmatched.
AddressBase® Quality of Postcode	Postcode	0	Postal code match.
		1	Postal code added.

## Approximate Grid Information

**Identifier:** APRAGD

This DataPlus set provides grid reference co-ordinates for names. If possible the co-ordinates will be for the Basic Land and Property Unit of the premises that the name is associated with. However, as some premises addresses in the Full Electoral Register are not found in the core AddressBase® data, this may not be possible in all cases. Where premises-level grid information cannot be found, co-ordinates for the building, street or postcode area associated with the name will be returned instead. The Source flag indicates the level of the returned co-ordinates.

Easting and Northing co-ordinates are provided in metres to a resolution of one centimetre, and are sourced directly from the raw AddressBase® Premium data. Co-ordinates can also be returned in 10 centimetre resolution format, for users upgrading from OS Address-Point data. Address-Point format co-ordinates are rounded to 10 cm resolution and are zero padded to eight digits.

Element	Code	Description
Approximate Easting	Easting	Easting co-ordinate of the name in metres (1 cm resolution)
Approximate Northing	Northing	Northing co-ordinate of the name in metres (1 cm resolution)
Approximate Easting (Address-Point format)	APEasting	Easting co-ordinate of the name (10 cm resolution)
Approximate Northing (Address-Point format)	APNorthing	Northing co-ordinate of the name (10 cm resolution)
Accuracy Flag	Flag	A flag showing the level of the returned co-ordinates. The following values may be returned: <b>BLPU level</b> – Basic Land and Property Unit (BLPU) level <b>Building level</b> – Building level <b>Street level</b> – Street level <b>Postcode level</b> – Postcode area level

# Using This Data With NameTracer

This section provides examples of carrying out the following types of searches with APRFER data and NameTracer.

- "Address Searching" on page 11
- "Organisation Searching" on page 14
- "Name Searching" on page 16
- "Radius Searching" on page 17
- "Location Searching" on page 19

For more information on searching for names and addresses with NameTracer, see the *NameTracer Client User Guide* or the *NameTracer Web User Guide*.

## Address Searching

The following examples demonstrate how NameTracer can be used to find postal and non-postal addresses in the APRFER additional dataset.

- "Searching for a full address" on page 11
- "Searching for an address without a postcode" on page 12
- "Searching using building and postcode information" on page 12
- "Searching using a partial postcode" on page 12
- "Searching for all addresses in a street" on page 12
- "Searching with misspelled information" on page 12
- "Searching for a non-postal object" on page 13

Search type	Example
Searching for a full address	<ol style="list-style-type: none"><li>1. Enter the following address details: Building: <b>35</b> Street/Box: <b>douglas street</b> Place: <b>derby</b> Postcode: <b>de238lh</b></li><li>2. A picklist is returned with the full address and the names of the occupants: 35 Douglas Street Normanton Derby DE23 8LH</li></ol>

Search type	Example
Searching for an address without a postcode	<ol style="list-style-type: none"> <li>Enter the following address details:            Building: <b>20</b>            Street/Box: <b>fairfield street</b>            Place: <b>leeds</b></li> <li>A picklist is returned with the full address and the names of the occupants:            20 Fairfield Street            Bramley            Leeds            LS13 3DX</li> </ol>
Searching using building and postcode information	<ol style="list-style-type: none"> <li>Enter the following address details:            Building: <b>blenheim court</b>            Postcode: <b>rg14ph</b></li> <li>A picklist is returned consisting of the full premises address, along with sub-premises addresses:            Blenheim Court            115 London Street            Reading            RG1 4PH</li> </ol>
Searching using a partial postcode	<p>If you do not have a full postcode, it is still possible to improve the accuracy of your search results by including only the outcode in your search:</p> <ol style="list-style-type: none"> <li>Enter the following address details:            Building: <b>12</b>            Street/Box: <b>garden road</b>            Postcode: <b>la9</b></li> <li>A picklist is returned with the full address and the names of the occupants:            12 Garden Road            Kendal            Cumbria            LA9 7ED</li> </ol>
Searching for all addresses in a street	<p>It is possible to search for addresses using street and location information only:</p> <ol style="list-style-type: none"> <li>Enter the following address details:            Street/Box: <b>portland avenue</b>            Place: <b>peterborough</b></li> <li>A picklist of all addresses on this street, and the names of occupants is returned.</li> </ol>
Searching with misspelled information	<p>NameTracer can use fuzzy matching to match incorrectly spelled search inputs. For example, searching on the following details:</p> <p>Street/Box: <b>kingstown avenue</b>          Place: <b>boulton</b></p> <p>Will return a picklist of results for <b>Kingston Avenue, Bolton</b>.</p>

Search type	Example
Searching for a non-postal object	<p>NameTracer can be used to search for non-postally addressable objects (such as street furniture, geographic features etc.) in the AddressBase data. The name of the object that you are searching for should be entered into the <b>Building</b> field.</p> <p>For example:</p> <ol style="list-style-type: none"><li>1. Enter the following address details: Building: <b>bus shelter</b> Postcode: <b>sw40ql</b></li><li>2. The address of the object is returned: Bus Shelter Outside 4 Clapham Common North Side Lambeth London SW4 0QL</li></ol> <p>As well as a postcode, other location information can also be used to find non-postal objects. For example, searching on the following address details:</p> <p>Building: <b>electricity</b> Place: <b>topsham</b></p> <p>Will return a picklist of electricity sub stations in Topsham, Devon.</p>

## Organisation Searching

The following examples demonstrate how NameTracer can be used to find organisations.

- "Searching for a full address" on page 14
- "Searching using organisation and location information" on page 14
- "Searching using organisation and building information" on page 15
- "Searching using a partial postcode" on page 15
- "Searching with misspelled information" on page 15

Search type	Example
Searching for a full address	<ol style="list-style-type: none"><li>1. Enter the following address details: Organisation: <b>glasgow metropolitan college</b> Building: <b>30</b> Street/Box: <b>dornoch street</b> Place: <b>glasgow</b> Postcode: <b>g402qp</b></li><li>2. The final address is returned: Glasgow Metropolitan College 30 Dornoch Street Glasgow G40 2QP</li></ol>
Searching using organisation and location information	<p>NameTracer is able to find organisations using the organisation name and location information (street, place or postcode) alone.</p> <ol style="list-style-type: none"><li>1. Enter the following address details: Organisation: <b>royal academy of arts</b> Place: <b>london</b></li><li>2. A picklist of results will be displayed. Select <b>Royal Academy of Arts, 6 Burlington Gardens, London.</b></li><li>3. The final address is returned: Royal Academy of Arts 6 Burlington Gardens London W1S 3ET</li></ol>

Search type	Example
Searching using organisation and building information	<p>NameTracer can also find organisations using organisation and building information alone.</p> <ol style="list-style-type: none"><li>1. Enter the following address details:     Organisation: <b>amano</b>     Building: <b>blue fin building</b></li><li>2. The final address is returned:     Amano     Unit 2, Blue Fin Building     20 Sumner Street     Southwark     London     SE1 9JZ</li></ol>
Searching using a partial postcode	<p>If you do not have a full postcode, it is still possible to improve the accuracy of your search results by including only the outcode in your search:</p> <ol style="list-style-type: none"><li>1. Enter the following address details:     Organisation: <b>experian ltd</b>     Street/Box: <b>electric avenue</b>     Postcode: <b>ng80</b></li><li>2. A picklist of results will be displayed. Select <b>Experian Limited, Embankment House</b>.</li><li>3. The final address is returned     Experian Limited     Embankment House     Electric Avenue     Nottingham     NG80 1EH</li></ol>
Searching with misspelled information	<p>NameTracer can use fuzzy matching to match incorrectly spelled search inputs. For example, searching on the following details:</p> <p>    Organisation: <b>john loowis</b>     Place: <b>reading</b>     Postcode: <b>rg12bb</b></p> <p>will cause NameTracer to suggest the following address as a potential match:</p> <p>    John Lewis     108-113 Broad Street     Reading     RG1 2BB</p>

## Name Searching

The following examples demonstrate how NameTracer can be used to find residential names matches in the APRFER additional dataset.

These methods should be combined with the various methods of address searching described on [page 11](#)

These examples are for illustrative purposes only, and do not use real names data.

- "Searching with surname only" on [page 16](#)
- "Searching with initials" on [page 16](#)
- "Searching using forename aliases" on [page 16](#)
- "Searching using secondary names" on [page 17](#)
- "Using gender filtering" on [page 17](#)

Search type	Example
Searching with surname only	NameTracer can match using surname only. For example, a search on the following name and address details: Primary Surname: <b>doe</b> Building: <b>15</b> Postcode: <b>gu33bq</b> might return a full address and a matching occupant name: Mr John Doe 15 Bramble Close Guildford Surrey GU3 3BQ
Searching with initials	Searching with a forename initial as well as a surname can improve the quality of your matches. For example, a search on the following name and address details: Primary Surname: <b>doe</b> Primary Forenames: <b>j</b> Street/Box: <b>pikeman road</b> Place: <b>glasgow</b> might return a picklist of potential matches on Pikeman Road, including John Doe, Jane Doe etc. Middle initial matches, such as Paul J Doe might also be returned.
Searching using forename aliases	NameTracer searches for alternative and diminutive versions of forenames, as well as the forename itself. For example, a search on the following name and address details: Primary Surname: <b>bloggs</b> Primary Forenames: <b>joseph</b> Street/Box: <b>canham road</b> Place: <b>london</b> Postcode: <b>SE25</b> might return a match to a Mr Joe Bloggs living on Canham Road.



Search type	Example
Searching using secondary names	<p>Secondary name searching can be used to search for two individuals living at the same address. For example, a search on the following name and address details:</p> <p>Primary Surname: <b>doe</b> Primary Forenames: <b>john</b> Secondary Surname: <b>guy</b> Secondary Foreneames: <b>incognito</b> Place: <b>abingdon</b></p> <p>might return the name and address of an individual called John Doe, living in the same residence as another individual called Guy Incognito in Abingdon.</p>
Using gender filtering	<p>Gender filtering name searching can be used to restrict search results to a single gender. For example, a search on the following name and address details</p> <p>Primary Surname: <b>doe</b> Primary Forenames: <b>j</b> Gender: <b>Female</b> Postcode: <b>eh10</b></p> <p>might return any female name matches in this postcode area, such as Jane Doe or Janet Doe, but not any male matches, such as John Doe.</p>

## Radius Searching

NameTracer enables you to search for names and addresses within a specified radius of an address. The following examples show how radius searching can be used with the APRFER additional dataset.

These examples are for illustrative purposes only, and do not use real names data.

- "Radius searching with a full address" on page 17
- "Radius searching with a location only" on page 18
- "Radius searching with a non-postal address" on page 18

Search type	Example
Radius searching with a full address	<p>NameTracer can search for individuals living within a radius of a full address. For example, a search on the following name and address details:</p> <p>Primary Surname: <b>Doe</b> Building: <b>20</b> Street/Box: <b>fairfield street</b> Place: <b>leeds</b> Postcode: <b>ls133dx</b> Radius: <b>1km</b></p> <p>Will return the names and addresses of anyone with the surname 'Doe' living within a kilometer of this address. Radius searches can also be run on organisation addresses.</p>

Search type	Example
Radius searching with a location only	<p>Radius searches can also be run on a location only. For example, a search on the following name and address details:</p> <p>Primary Surname: <b>Doe</b> Primary Forenames: <b>John</b> Place: <b>lincoln</b> Radius: <b>5mi</b></p> <p>Will return the names and addresses of anyone with the name 'John Doe' living within 5 miles of the city of Lincoln.</p>
Radius searching with a non-postal address	<p>Radius searches can also be run on postally non-addressable objects. For example, a search on the following name and address details:</p> <p>Primary Surname: <b>Doe</b> Primary Forenames: <b>John</b> Building: <b>bus shelter</b> Postcode: <b>sw40ql</b> Radius: <b>500m</b></p> <p>Will return the names and addresses of anyone with the name 'John Doe' living within 500 meters of the following non-postal address:</p> <p>Bus Shelter Outside 4 Clapham Common North Side Lambeth London SW4 0QL</p>

## Location Searching

Location Searching is only available with the Web version of NameTracer.

The Location Search function allows you to carry out searches using coordinates. This can be used to search directly for a location, or in combination with name and radius information. The following examples show how Location searching can be used with the APRFER additional dataset.

These examples are for illustrative purposes only, and do not use real names data.

- "Searching for a location using coordinates." on page 19
- "Radius searching with location coordinates" on page 19

Search type	Example
Searching for a location using coordinates.	<p>You can carry out a search on easting and northing coordinates only. For example, searching on the following coordinates:</p> <p>Easting: <b>437133</b> Northing: <b>552495</b></p> <p>Will return the following address, together with the names of any residents:</p> <p>14 Maltby Close Sunderland SR3 2QR</p>
Radius searching with location coordinates	<p>Radius searches can be carried out using easting and northing coordinates instead of address details. For example, a search on the following name and address details:</p> <p>Primary Surname: <b>Doe</b> Easting: <b>390302</b> Northing: <b>808427</b> Radius: <b>1km</b></p> <p>Will return the names and addresses of anyone with the surname 'Doe' living within 1 kilometer of these coordinates.</p>