

# Schema and tables

For each year for which a Northern Ireland Assembly election takes place

The directory layout and table schema are described below:

## contest

In the head directory, information on the election contest taking place, to provide comparability with other Assembly elections as well as working towards a common system for describing elections across the world.

<b>Name</b>	<b>Type</b>	<b>Description</b>
Contest_ID	URI	A URI providing a unique identifier for the individual electoral contest
Name	String	A name for the election, e.g. "UK Parliamentary Election 2015"
Election_Type	String	The type of election. This should ideally draw from a controlled vocabulary
Electoral_System	String	Identifies the electoral system being used in the election. Ideally this should draw from a controlled vocabulary
Start_Date	Date	The date on which the electoral contest begun (i.e. voting day)
End_Date	Date	The date on which the electoral contest

ended. Some contests run for a single day, in which case the start and end dates will be the same

## /NI

Tables covering all constituencies, political parties and candidates standing across all eligible electoral areas.

## constituencies

Identifiers for all constituencies in election

Name	Type	Description
Constituency_Number	URI	{key} unique ID number given to each Data codes. See <a href="http://data.niassembly.gov.uk/api/v1/constituencies">http://data.niassembly.gov.uk/api/v1/constituencies</a>
Constituency_Name	String	Full (official) name
ONS_Code	URI	Office of National Statistics identifying Parliamentary Constituency. See <a href="https://geoportal.statistics.gov.uk/geonames/7E721144-C4DD-43A4-AEA3-1">https://geoportal.statistics.gov.uk/geonames/7E721144-C4DD-43A4-AEA3-1</a>
Constituency_Code	URI	Abbreviation of constituency name (e.g. Newry & Armagh: NYA)
Number_Of_Seats	Integer	The number of seats available in the constituency
Constituency_Directory	String	Constituency name in the /constituencies

The post-election version contains additional columns with information

about polling turnout from the individual ConstituencyCount tables:

<b>Name</b>	<b>Type</b>	<b>Description</b>
Voting_Age_Pop	Integer	Total population aged 18+ (n.b. some may not be entitled to vote due to residency status)
Total_Poll	Integer	Total number of votes cast
Spoiled	Integer	Total number of invalid votes
Valid_Poll	Integer	Total number of valid votes to be counted =(Total_Poll - Spoiled)
Quota	Integer	Pass mark for total number of votes to be elected in any stage
Total_Electorate	Integer	Total number of eligible voters on the electoral register
Turnout_pct	Float	The turnout: Total_Poll as a percentage of Total_Electorate

## parties

Identifiers for all political parties (N.B. there is a 'party' for Independent candidates).

<b>Name</b>	<b>Type</b>	<b>Description</b>
Party_Id	URI	{key} unique ID number given to each party currently represented in the Assembly will the same Party_Id code as <a href="http://data.niassembly.gov.uk/organisations/m=GetPartiesListCurrent">http://data.niassembly.gov.uk/organisations/m=GetPartiesListCurrent</a>

Party_Name	String	Political party title
Party_Abbreviation	String	Short acronym for party
Hex_Col	String	6-digit html color code

## /constituency

Each constituency has its own Directory within in /constituency, matching those in that in NI/constituencies.csv (above), each with the following set of tables.

## /[Constituency\_Directory]/Candidate

Candidate information for the constituency

Name	Type	Description
Constituency_Name	String	As with the NI/constituencies table
Constituency_Number	URI	As with the NI/constiteuncies table
Candidate_Id	URI	{key} unique ID number given to each candidate
Firstname	String	Candidate's first name
Surname	String	Candidate's surname
Outgoing_Member	Boolean	If the member was an incumbent MLA at the end of the previous Assembly mandate ('1' true; '0' false)

Party_Id	URI	As with the NI/parties table
Party_Name	String	As with the NI/parties table
Photo_URL	URI	Link to the candidate's profile picture
Constituency_Directory	String	As with the NI/constituencies table
Gender	String	[M]Male/[F]Female/[O]Other

## /[Constituency\_Directory]/ConstituencyC

Headline data on polling in the constituency.

Name	Type	Description
Constituency_Number	URI	{key} As with the NI/constituencies table
Total_Poll	Integer	Total number of votes cast
Spoiled	Integer	Total number of invalid votes
Valid_Poll	Integer	Total number of valid votes to be counted =(Total_Poll - Spoiled)
Quota	Integer	Pass mark for total number of votes to be elected in any stage
Total_Electorate	Integer	Total number of eligible voters on the electoral register
Number_Of_Seats	Integer	Number of seats to be filled in constituency

Constituency_Code	String	As with the NI/constituencies table
Voting_Age_Pop	Integer	Total population aged 18+ (n.b. some may not be entitled to vote due to residency status)

## /[Constituency\_Directory]/Count

The results for each candidate and each count stage, representing the Single Transferable Vote system. Note that there is no {key} value (as the Candidate\_Id will appear more than once), but that a number of keys from other tables are included. There is a row for each candidate at each count stage, even if they have already been excluded from the process.

Name	Type	Description
Constituency_Number	URI	As with the NI/constituencies table
Candidate_Id	URI	As with the [Constituency_Directory]/Candidates table
Count_Number	Integer	Runs sequentially from 1 to the final count stage number
Firstname	String	As with the [Constituency_Directory]/Candidates table
Surname	String	As with the [Constituency_Directory]/Candidates table
Candidate_First_Pref_Votes	Integer	Number of First Preference Votes

		received by each candidate. The same value for each candidate should be present in each Count_Number as this does not change
Transfers	Float	The number of transfers received after the first stage (in Count_Number: 1 this will be 0). Can be negative when votes are transferred from a candidate due exclusion or exceeding the quota
Total_Votes	Float	The total number of votes that have been amassed by the candidate at the current count number = (Candidate_First_Pref_Votes + the sum of all Transfers at previous and current stages)
Status	String	If the candidate has been elected or excluded in this or any previous stage. ('Elected', 'Excluded' or null)
Occurred_On_Count	Integer	Count_Number that the change in status occurred (even if it was on a previous count)
Party_Name	String	As with [Constituency_Directory]/Candidates table

## **/[Constituency\_Directory]/NonTransferable**

<b>Name</b>	<b>Type</b>	<b>Description</b>
Constituency_Number	URI	As with /NI/constituencies table

Count_Number	Integer	As with /[Constituency_Directory]/Count table (this will not include 1 as no votes will be transferred at this stage)
Non_Transferable	Float	Number of votes not transferred to any candidate