Capita

Data Quality Dashboard

Professional Services

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Introduction

We all know that keeping data secure has never been so important, especially when it comes to our citizens and children. With this in mind, we have created a powerful Data Quality Dashboard in SSRS (SQL Server Reporting Services). This helps LAs identify and fix issues with inaccurate and duplicated data.

This suite of reports includes various metrics around:

- address quality

- school history quality

- attendance quality

- duplicated students

- involvements

- EHCP (Education, Health and Care Plans) quality

- and more

The Data Quality Dashboard offers a comprehensive solution to improve data quality, ensuring accurate reporting and compliance with regulatory requirements.

The Data Quality Dashboard contains over 30 reports that have been developed based on our previous experience with Las. Understanding their requirements and ensuring the reports provide the necessary information to support decision making.

The dashboard is highly customisable, allowing LAs to add their own reports and tailor the dashboard to their specific needs. Additionally, Capita is continuously working to develop new reports and enhance the functionality of the Data Quality Dashboard. Ensuring LA's have access to the most up-to-date and effective tools to manage their data quality.

Data Quality Dashboard

The main screen of the dashboard will summarise the key areas of data quality and upon expanding into each area, there is then a count of the affected demographics for that area.

Folder / Report	Description	Count
⊞ **Addresses**		
⊟ **Attendance**		
ATT Duplicated Attendance Data		0
ATT Children registered at a base with no attendance in last 30 days		201
ATT Children with attendance data after the school history end date	This report will shows children where attendance data has been recorded after the school history end date.	0
ATT Children with attendance data but not registered at a base	This report shows children where attendance data is being recorded against a child's base that has not been ticked as Registered or Dual Registered and there is NO end date.	0
⊟ **Duplicate Students**		
Students duplicated on Forename Surname and DOB	Students duplicated on Forename Surname and DOB	4
Students duplicated on Forename and address	Students duplicated on Forename and address	56
Students duplicated on Forename Surname and Transposed DOB	Students duplicated on Forename Surname and Transposed DOB	0
Students duplicated on Forename DOB and Postcode	Students duplicated on Forename, DOB and Postcode	41
Students duplicated on Surname DOB and Postcode	Students duplicated on Surname DOB and Postcode NCY less than 14 if not SEN or under NCY 21 if SEN	62
Students duplicated on Forename and DOB	Students duplicated on Forename and DOB	67
⊞ **EHCP**		
⊞ **Involvements**		
⊞ **School History**		
⊞ **Students**		

Click the report name to a drill-through report to show the details of the area that needs tidying. As seen in the below summary areas.

Addresses

Report	Description
AM Correspondence Address with an end date	Correspondence address with an end date recorded against it. Ended addresses should not be used for correspondence.
AM Addresses with Manual Geocodes	Addresses where the Easting and Northings have been changed manually in the One system.
AM UPRN match but linked to wrong street	Address with a UPRN is not attached to a street with a USRN or the wrong street.
AM Duplicated Addresses	Duplicate addresses in One should be merged via Address Tidy or Address Merge.

Report	Description
AM Duplicate USRN and Postcode	This shows there are duplicated streets in the database.
AM Geocode address with NO LA number	A valid address but does not have an LA number against it.
AM Address with Phone Numbers	Addresses where an entity's phone number has been added to the Address incorrectly.
AM Addresses with no UPRN with USRN	Addresses that have no UPRN but have USRN for the street record.
AM Easting and Northing differences	The Eastings and or Northings in One do not match the AddressBase data.
AM Address history with no End or Start dates	Addresses where they have no end date against them, and they are not the correspondence address or addresses with no start dates.
AM One and AddressBase difference match on UPRN	Compare differences in address data between One and AddressBase where there is an exact match on UPRN.

Sample Output

AM Addresses with Manual Geocodes

Person ID	Address	Easting	Northing	Manual
899121	The MK Academy, Fulwoods Drive, Milton Keynes, MK6 5LA	486147	237414	T
899122	Oakgrove School, Venturer Gate, Milton Keynes, MK10 9JQ	488699	238721	T
899126	The Hazeley Academy, Emperor Drive, MK8 0PT	481530	236428	T
899128	Two Mile Ash School, The High Street, Milton Keynes, MK8 8LH	482426	238572	T
899129	Sir Herbet Leon Academy, Fern Grove, Milton Keynes, MK2 3HQ	487432	232029	T
899130	Stantonbury Campus, Stantonbury Campus, Milton Keynes, MK14 6BN	484303	240965	T
899131	Kents Hill Park all-through school, Kents Hill Park, Milton Keynes, MK7 6BZ	488935	237670	T
899132	Lord Grey Academy, Rickley Lane, Milton Keynes, MK3 6EW	485934	234103	T
899120	The Radcliffe School, Aylesbury Street West, Milton Keynes, MK12 5BT	480721	240865	T
899125	Walton High School, Fyfield Barrow, Milton Keynes, MK7 7WH	490040	236560	T

Attendance

Report	Description
ATT Duplicated Attendance Data	A duplicate string of Attendance data exists for child in the dx_xml_attendance table. A script is need from Capita to remove the incorrect string.
ATT Children registered at a base with no attendance in last 30 days	Children registered at a base but have not had attendance data imported against them at that registered base for over 30 days for the current academic year.
ATT Children with attendance data after the school history end date	Children where attendance data that has been recorded after the school history end date at the same school.
ATT Children with attendance data but not registered at a base	Children where attendance data is being recorded against a base that has not been ticked as Registered or Dual Registered and there is NO end date against the base.

Sample Output

ATT Children registered at a base with no attendance in last 30 days

STUD ID	NCY	SURNAME	FORENAME	DOB	GENDER	SCHOOL NAME	REG T
8911063	1	Marsh	Erin	16/06/2016	F	Better Mark Funded	MN-
8910677	2	Werner	Adam	31/08/2015	M	Better Mark Funded	MN-
8905408	3	Meyers	Andrew	03/01/2014	M	Better Mark Funded	MN-
8915196	3	Bennett	Nancy	25/11/2013	F	Green Abbey School	MN-
8915197	3	Smith	John	12/12/2013	M	Green Abbey School	MN-
8915192	7	Abbot	John	01/05/2010	M	Green Abbey School	MN-
8915228	7	Misselbrook	Le-A	01/01/2010	F	Green Abbey School	MN-
8915061	11	Aaron	Chris	01/09/2005	M	Green Abbey School	MN-
8915034	11	Aaron	Jason	08/03/2006	M	Green Abbey School	MN-
8915039	11	Amelia	Goss	21/12/2005	F	Green Abbey School	MN-
8915040	11	Amis	Harold	15/11/2005	M	Green Abbey School	MN-
8915044	11	Angel	Tina	14/06/2006	F	Green Abbey School	MN-
8915047	11	Appleby	Candice	09/11/2005	M	Green Abbey School	MN-

Duplicated Students

Report	Description
Students duplicated on Forename Surname and DOB	Students duplicated on Forename Surname and DOB.
Students duplicated on Forename and address	Students duplicated on Forename and address.
Students duplicated on Forename Surname and Transposed DOB	Students duplicated on Forename Surname and Transposed DOB.
Students duplicated on Forename DOB and Postcode	Students duplicated on Forename - DOB and Postcode.
Students duplicated on Surname DOB and Postcode	Students duplicated on Surname DOB and Postcode.
Students duplicated on Forename and DOB	Students duplicated on Forename and DOB.

Sample Output

Students duplicated on Forename and address

36 Students

% Match Accuarcy on Forename, Middle name and Surname	Stud ID	Forename	Midname	Surname	Gender	DOB	NCY	Post c
95.0	8902146	Bara	Boris	Bbban	M	31/03/2011	6	MK43
95.0	8902148	Bara	Boris	Boban	M	31/03/2012	5	MK43
95.0	8902147	Bara	Boris	Bobam	M	31/03/2011	6	MK43
95.0	8902145	Bara	Boris	Bbbam	M	31/03/2011	6	MK43
95.0	8902131	Rara	Roris	Rrbam	F	31/03/2011	6	MK43
95.0	8902132	Rara	Roris	Rrban	F	31/03/2011	6	MK43

EHCP

Report	Description
EHCP Missing Need	Children with an Active EHCP but have no Primary need recorded in their Involvement.
EHCP No active Review against EHCP	Children with an Active EHCP but no active Annual Review Involvement link to the Active EHCP Involvement.

Sample Output

EHCP No active Review against EHCP

Caseworker	Current School	Student ID	Date of Original Final Issued	Surna
Diana Eyres	Sharnbrook School	344	12/11/1991	Thoma
George Norris	Sharnbrook School	125	07/01/1992	Thatch
Roy Field	Abbey Middle School	2650	30/07/1993	Willian
Susan Kilduff	Sharnbrook School	286	07/09/1991	Smyth

4/3/2023 2:24:51 PM

Involvements

Report	Description
INV Old involvements not closed	Involvements open more than 10 years with no close date
INV Closed Involvement still Active	Closed Involvement (except EHCP) where the closed date is populated and the Status still shows active.

Sample Output

INV Old involvements not closed

	Stud ID	Forename	Surname	Gender	DOB	AGE	Open Date	Statu
⊞ **Service: EPM Business Unit**						**Number of records: 1**		
⊞ **Service: 2 Educational Psychology Service**						**Number of records: 18**		
⊞ **Service: 1 Education Welfare Service**						**Number of records: 2**		
⊟ **Service: Sensory Team**						**Number of records: 3**		
⊟ ***Involvement Form: Sensory Support***						***Number of records: 3***		
	871	David	Adams	M	01/09/1983	40	30/10/2000	A
	4818	Simon	Abel	M	23/08/1984	39	14/11/2000	A
	4818	Simon	Abel	M	23/08/1984	39	02/10/2000	A

School History

Report	Description
SCH_HIST Inactive Student with open School History	Inactive students in One where they still have open school history entries.
SCH_HIST School aged students with no current base and no updates	Students with an NCY between 0 and 12 with no update in 6 months and no school history record ever.
SCH_HIST School ended but still registered	School history entries that are shown as dual or Main registered, yet they have an end date.
SCH_HIST Duplicated School History	Students with a duplicated School History entry based on Start Date End date and School all matching.

Sample Output

SCH_HIST Inactive Student with open School History

Stud ID	Legal Forename	Legal Surname	DOB	Gender	AGE	Inactive Reason	Base Name
5386	Clare	Abbot	27/06/1996	M	27	MVD	Green Down Sch(
1188	Steven	Atwater	01/02/1999	M	24	OLD	Ampthill Youth Clu
6	Richard	Booth	23/04/1985	M	38	OLD	Leagrave Junior S
21	Thomas	Booth	08/06/1987	M	36	OLD	Leagrave Junior S
4994	Tony	Chert	01/01/1999	M	24	Not recorded	Abbey Middle Sch
5	Robert	Davies	08/03/1985	M	38	OLD	Leagrave Junior S
2659	Fiona	Farrell	27/03/1995	F	28	Not recorded	Harrold School
3	Anna	Fisher	05/11/1984	F	38	OLD	Leagrave Junior S
4	Meryl	Gordon	09/12/1984	F	38	OLD	Leagrave Junior S
22	Tracey	Gordon	05/03/1987	F	36	OLD	Leagrave Junior S
405	Adam	Green	04/04/1984	M	39	OLD	Leagrave Junior S

Students

Report	Description
Student Carriage Returns in name	A carriage return in a name can sometimes cause error in reports or exports, so it is vital to remove.
Student Active Over School Age	This report shows children active where they are over school age. If they have a SEN stage of S - E - C or L the age is 25 or over otherwise 18 over.

Sample Output

Student Active Over School Age

Stud ID	Forename	Surname	Gender	DOB	Age	SEN	P
⊞2 - 2							
⊞3 - 7							
⊞4 - 1							
⊞5 - 7							
⊟A - 424							
8888959	Anna	Clayton	F	16/10/1993	29	A	
8895379	Roberto	Aldo	M	28/01/1989	34	A	
8888892	Marcus	Ackroyd	M	21/01/2004	19	A	
8889257	Kelly	Watkins	F	23/07/1992	31	A	
8895630	Joanna	Barber	F	02/04/1989	34	A	
8888934	Matteo	Borgia	M	25/11/1997	25	A	
8892515	Callum	Foster	M	31/08/1989	34	A	
8892517	Ashley	Roe	M	19/04/1989	34	A	
8892518	Kirsty	Storey	F	24/08/1989	34	A	
8892170	Keiron	Wright	M	15/11/1991	31	A	
8891770	Kellie	Paul	F	14/07/1992	31	A	