

Scottish DNA Database

Historic Data

APRIL 2015- MARCH 2021



DNA is a vital tool for the Scottish police service in the investigation of crime. It allows for samples of blood, saliva, hair and skin left at a crime scene to be extracted into a DNA profile of an individual which can then be searched against a database of retained DNA profile. The database is compiled by police forces using the powers obtained from the Criminal Procedure (Scotland) Act 1995 (as amended) to take and retain samples from certain individuals.

The Scottish DNA Database is administered by the National Systems Support department of Police Scotland with the DNA profiling from samples taken from subjects and crime scenes done by SPA Forensic Services.

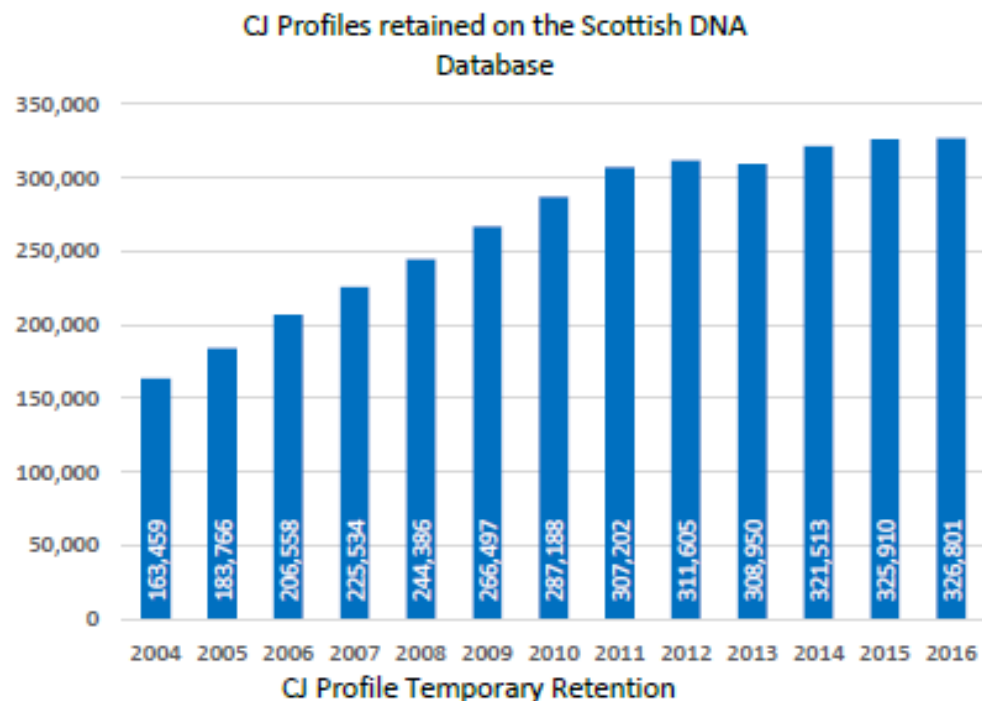
All profiles on the Scottish DNA Database (except volunteers for intelligence led screenings) are exported to the National DNA Database which gives all police forces throughout the UK the ability to search for profile and crime scene matches.

Crime Scenes - This month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
Unidentified profiles from Crime Scenes added	199	219	197	199	154	175	151	215	178	143	213	131	2174
New CJ Profiles added that matched to an existing Crime Scene profile	28	39	34	63	36	35	36	29	27	38	41	35	441
New Crime Scenes profile that matched to an existing CJ Profile	105	127	113	110	91	105	70	111	118	74	111	97	1232
Unidentified Crime Scene profiles matching another unidentified Crime Scene Profile	1	2	5	1	4	4	9	5	7	5	8	2	53
Crime Scene Match Reports issued	134	168	152	174	131	144	115	145	152	117	161	134	1727
Match rate of a new CJ profile matching an existing Crime Scene Profile	1%	2%	1%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
Match rate of a new Crime Scene profile matching an existing CJ Profile	53%	58%	57%	55%	59%	60%	46%	52%	66%	52%	52%	74%	57%
Matches against Group 1 Offence Crime Scenes	17	23	22	24	27	23	8	20	28	13	32	14	251
Matches against Group 2 Offence Crime Scenes	1	4	1	8	0	2	4	4	5	1	4	2	36
Matches against Group 3 Offence Crime Scenes	78	93	86	87	67	68	59	73	74	70	64	62	881
Matches against Group 4 Offence Crime Scenes	16	21	17	23	11	16	16	13	13	16	21	19	202
Matches against Group 5 Offence Crime Scenes	12	15	17	12	18	25	22	20	20	13	26	25	225
Matches against Group 6 Offence Crime Scenes	10	9	9	19	5	10	6	14	8	3	6	7	106
Matches against Group 7 Offence Crime Scenes	0	3	0	1	3	0	0	1	4	2	7	5	26
S18A CJ Profiles matching a Crime Scene Profile	0	0	5	3	1	0	2	0	4	4	1	1	21
S18B (sex/vio) CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	0	0	0	0
S18B (non sex/vio) CJ Profiles matching a Crime Scene Profile	0	0	0	1	1	1	2	3	1	0	1	1	11
S18D CJ Profiles matching a Crime Scene Profile	0	3	1	0	2	3	3	1	1	0	2	0	16
S18E CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	0	0	0	0

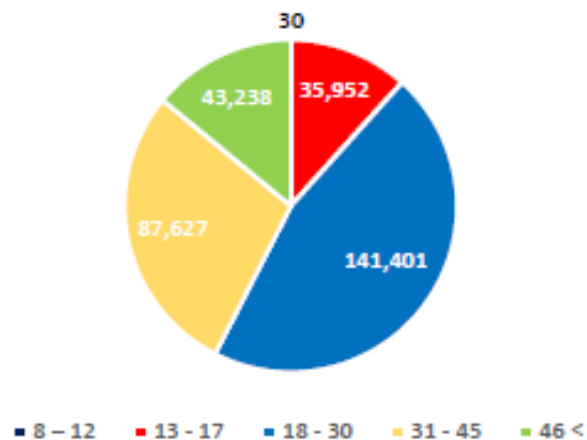
Crime Scene Spec Searches undertaken	84	111	129	125	92	113	110	83	92	83	95	100	1217
Crime Scene Spec Search matches	51	57	71	72	46	63	62	45	49	44	49	62	671
Crime Scene Spec Search % matches	61%	51%	55%	58%	50%	56%	56%	54%	53%	53%	52%	62%	55%

CJ Profile Retention – Total



S18A Retained	7655
S18B (sex/vio) Retained	624
S18B (non-sex/vio) Retained	2782
S18D Retained	1319
S18E Retained	18
S18A Extensions Requested	0
S18B (sex/vio) Extensions Requested	0
S18E Extensions Requested	0

Breakdown on profiles retained by age when the sample was taken



Breakdown on profiles retained by gender

Crime Scenes – Total

Unidentified Crime Scenes Profiles retained	20,911
Crime Scene Match Reports issued	39,604
Crime Scene Match Rate (since April 2011)	57%

Crime Scene Match Reports against S18A CJ Profiles	148
Crime Scene Match Reports against S18B (sex/vio) CJ Profiles	13
Crime Scene Match Reports against S18B (non sex/vio) CJ Profiles	93
Crime Scene Match Reports against S18D CJ Profiles	83
Crime Scene Match Reports against S18E CJ Profiles	0

Volunteers – Total

Number of ILS Profiles Retained	4,314
Number of General Volunteers Retained	190
Total Number of Volunteer Matches	38

Breakdown on crime scene matches by offence group (since 2011)

April 2016 – March 2017

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Scottish DNA Database Statistics 2016/2017



These statistics outline the management and investigative activity around the Scottish DNA Database. Further information on the statistics provided can be found on the 'Further Information' page below.

CJ Profile Retention - This Month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
CJ Profiles added	2131	2445	2300	2016	2018	2090	1665	1968	1900	2059	2467	2319	25378
CJ Profiles removed	2420	2623	2235	1254	881	1144	906	2182	1562	1370	1336	1829	19742
CJ Profiles classified as S18A retention	296	378	324	311	340	307	197	349	366	344	314	386	3912
S18A Profiles removed after reaching the end of retention period	114	172	162	129	169	154	174	158	130	121	147	222	1852
S18A Profiles replaced by a convicted DNA Profile	20	45	35	22	24	35	29	44	28	25	36	57	400
CJ Profiles classified as S18B (sex/vio) retention	17	17	13	12	21	25	23	31	14	15	32	43	263
S18B (sex/vio) Profiles removed after reaching the end of retention period	32	27	23	21	22	13	16	10	8	13	12	21	218
S18B (sex/vio) Profiles replaced by a convicted DNA Profile	4	2	3	0	4	1	1	3	0	2	4	1	25
CJ Profiles classified as S18B (non-sex/vio) retention	76	64	72	71	89	116	63	84	57	87	69	119	967
S18B (non-sex/vio) Profiles removed after reaching the end of retention period	110	115	117	114	139	97	113	89	72	131	112	142	1351
S18B (non-sex/vio) Profiles replaced by a convicted DNA Profile	15	11	18	16	17	21	7	11	17	15	13	22	183
CJ Profiles classified as S18D retention	51	51	31	38	51	60	28	44	50	47	54	49	554
S18D Profiles removed after reaching the end of retention period	42	45	47	41	38	40	56	53	42	66	57	60	587
S18D Profiles replaced by a convicted DNA Profile	2	12	5	3	9	7	2	7	6	5	4	5	67
CJ Profiles classified as S18E retention	2	0	2	0	0	0	0	1	0	3	0	1	9
S18E Profiles removed after reaching the end of retention period	1	0	1	1	2	0	0	1	2	0	1	1	10
S18E Profiles replaced by a convicted DNA Profile	0	0	0	0	0	0	0	0	0	0	1	0	1

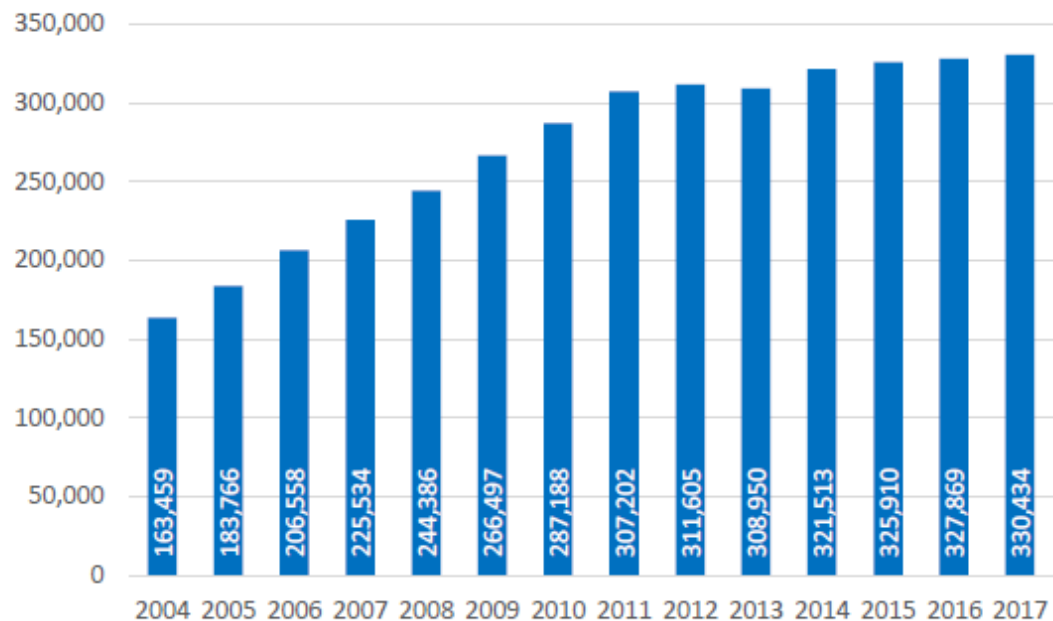
Crime Scenes - This month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
Unidentified profiles from Crime Scenes added	164	131	180	235	176	185	223	197	181	201	182	218	2273
New CJ Profiles added that matched to an existing Crime Scene profile	31	42	27	15	30	32	32	27	25	38	34	38	371
New Crime Scenes profile that matched to an existing CJ Profile	102	82	110	153	106	100	113	109	98	112	113	130	1328
Unidentified Crime Scene profiles matching another unidentified Crime Scene Profile	4	4	4	6	1	6	9	7	2	8	5	5	61
Crime Scene Match Reports issued	137	128	141	174	137	138	154	143	125	158	152	173	1760
Match rate of a new CJ profile matching an existing Crime Scene Profile	1%	2%	1%	1%	1%	2%	2%	1%	1%	2%	1%	2%	1%
Match rate of a new Crime Scene profile matching an existing CJ Profile	62%	63%	61%	65%	60%	54%	51%	55%	54%	56%	62%	60%	58%
Matches against Group 1 Offence Crime Scenes	15	13	8	11	8	17	21	8	12	18	15	21	167
Matches against Group 2 Offence Crime Scenes	1	4	3	3	3	5	5	2	3	5	4	1	39
Matches against Group 3 Offence Crime Scenes	87	71	77	87	72	80	81	79	66	72	83	103	958
Matches against Group 4 Offence Crime Scenes	15	9	17	25	17	9	13	13	16	23	15	16	188
Matches against Group 5 Offence Crime Scenes	11	22	25	37	21	14	15	24	18	28	21	16	252
Matches against Group 6 Offence Crime Scenes	5	7	6	8	9	6	7	10	8	9	9	9	93
Matches against Group 7 Offence Crime Scenes	3	2	5	3	7	7	12	7	2	3	5	7	63
S18A CJ Profiles matching a Crime Scene Profile	0	0	1	0	0	0	1	1	1	1	3	2	10
S18B (sex/vio) CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	0	0	0	0
S18B (non sex/vio) CJ Profiles matching a Crime Scene Profile	1	1	0	1	0	0	1	1	2	3	0	0	10
S18D CJ Profiles matching a Crime Scene Profile	0	0	0	2	0	2	1	2	0	2	1	0	10
S18E CJ Profiles matching a Crime Scene Profile	0	0	1	0	0	0	0	0	0	0	0	0	1

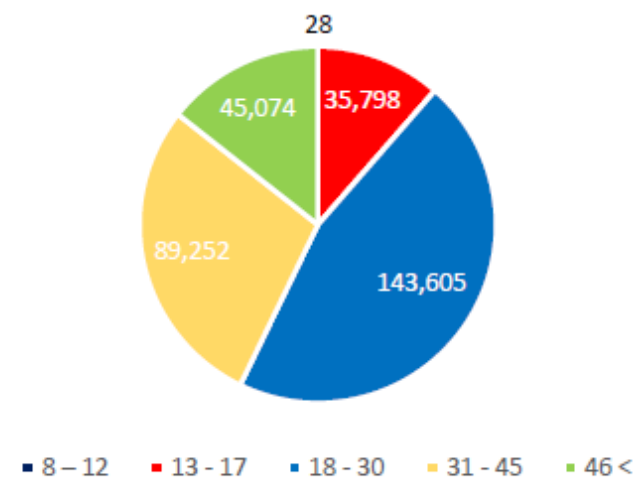
Crime Scene Spec Searches undertaken	79	52	118	133	84	110	98	119	102	125	113	168	1301
Crime Scene Spec Search matches	44	27	59	85	56	72	56	73	50	87	73	98	780
Crime Scene Spec Search % matches	56%	52%	50%	64%	67%	65%	57%	61%	49%	70%	65%	58%	714%

CJ Profile Retention – Total

CJ Profiles retained on the Scottish DNA Database



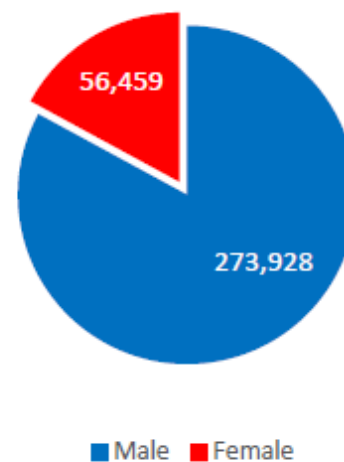
Breakdown on profiles retained by age when the sample was taken



CJ Profile Temporary Retention

S18A Retained	8634
S18B (sex/vio) Retained	615
S18B (non-sex/vio) Retained	2298
S18D Retained	1263
S18E Retained	18
S18A Extensions Requested	0
S18B (sex/vio) Extensions Requested	0
S18E Extensions Requested	0

Breakdown on profiles retained by gender



Crime Scenes – Total

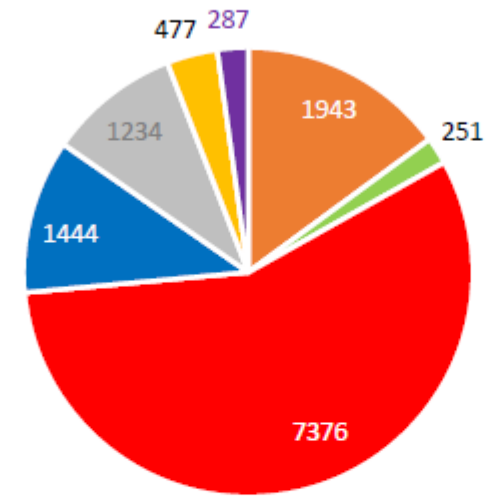
Unidentified Crime Scenes Profiles retained	21,431
Crime Scene Match Reports issued	41,364
Crime Scene Match Rate (since April 2011)	57%

Crime Scene Match Reports against S18A CJ Profiles	158
Crime Scene Match Reports against S18B (sex/vio) CJ Profiles	13
Crime Scene Match Reports against S18B (non sex/vio) CJ Profiles	103
Crime Scene Match Reports against S18D CJ Profiles	93
Crime Scene Match Reports against S18E CJ Profiles	1

Volunteers – Total

Number of ILS Profiles Retained	4,314
Number of General Volunteers Retained	190
Total Number of Volunteer Matches	38

Breakdown on crime scene matches by offence group (since 2011)



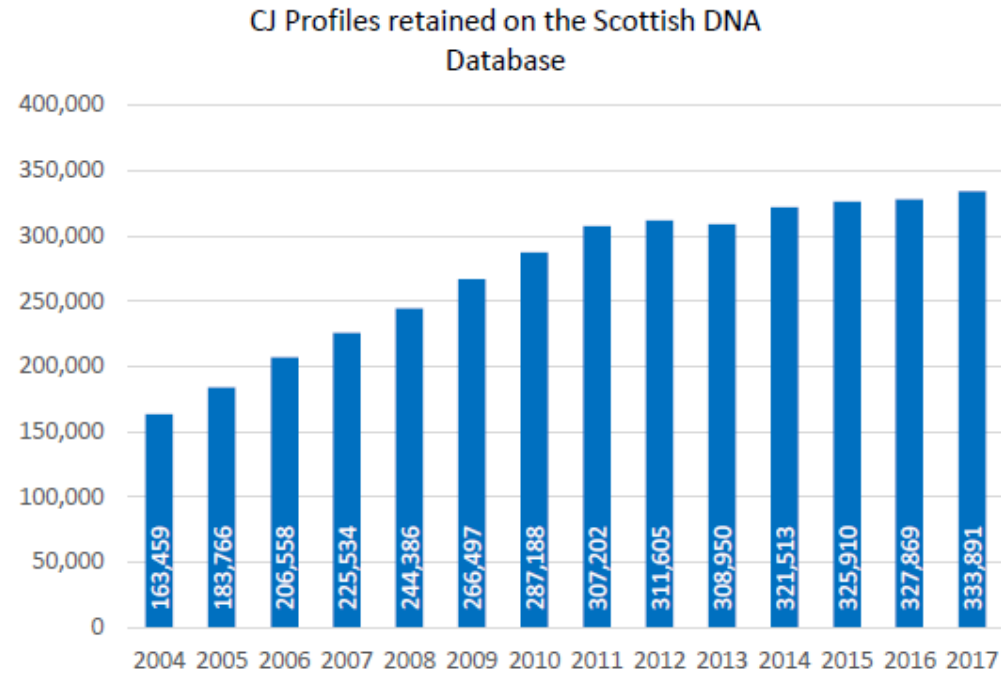
- Group 1
- Group 2
- Group 3
- Group 4
- Group 5
- Group 6
- Group 7

Crime Scenes - This month

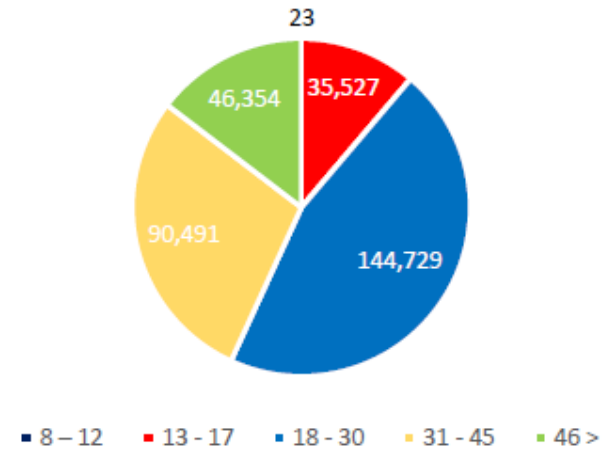
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
Unidentified profiles from Crime Scenes added	127	261	211	173	198	188	194	204	215	129	162	223	2285
New CJ Profiles added that matched to an existing Crime Scene profile	24	23	39	37	23	25	28	33	28	30	29	23	342
New Crime Scenes profile that matched to an existing CJ Profile	75	143	110	101	121	120	110	114	123	87	99	121	1324
Unidentified Crime Scene profiles matching another unidentified Crime Scene Profile	4	12	9	4	3	7	5	2	5	1	3	6	61
Crime Scene Match Reports issued	103	178	158	142	147	152	143	149	156	118	132	150	1728
Match rate of a new CJ profile matching an existing Crime Scene Profile	1%	1%	2%	2%	1%	1%	1%	2%	1%	1%	2%	1%	1%
Match rate of a new Crime Scene profile matching an existing CJ Profile	59%	55%	52%	58%	61%	64%	57%	56%	57%	67%	61%	54%	58%
Matches against Group 1 Offence Crime Scenes	15	17	24	11	22	21	17	21	17	15	14	16	210
Matches against Group 2 Offence Crime Scenes	0	5	2	1	5	2	2	5	7	3	1	6	39
Matches against Group 3 Offence Crime Scenes	52	90	86	82	68	81	73	64	72	60	82	87	897
Matches against Group 4 Offence Crime Scenes	16	19	15	20	15	16	15	21	18	13	12	10	190
Matches against Group 5 Offence Crime Scenes	15	30	22	22	22	20	24	24	23	16	14	15	247
Matches against Group 6 Offence Crime Scenes	5	11	6	2	11	6	9	7	7	5	4	7	80
Matches against Group 7 Offence Crime Scenes	0	6	3	4	4	6	3	7	12	6	5	9	65
S18A CJ Profiles matching a Crime Scene Profile	2	3	3	1	6	1	2	2	3	1	1	1	26
S18B (sex/vio) CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	0	0	0	0
S18B (non sex/vio) CJ Profiles matching a Crime Scene Profile	1	1	1	0	1	0	2	0	1	1	0	0	8
S18D CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	2	0	0	2
S18E CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	1	0	0	0	0	0	1

Crime Scene Spec Searches undertaken	111	144	111	92	112	112	120	93	106	88	80	119	1288
Crime Scene Spec Search matches	58	80	63	60	58	65	68	62	68	52	46	71	751
Crime Scene Spec Search % matches	52%	56%	57%	65%	52%	58%	57%	67%	64%	59%	58%	60%	703%

CJ Profile Retention – Total



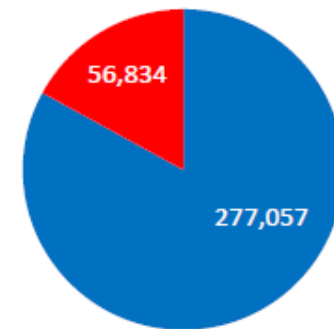
Breakdown on profiles retained by age when the sample was taken



CJ Profile Temporary Retention

S18A Retained	8525
S18B (sex/vio) Retained	823
S18B (non-sex/vio) Retained	1882
S18D Retained	916
S18E Retained	31
S18A Extensions Requested	0
S18B (sex/vio) Extensions Requested	0
S18E Extensions Requested	0

Breakdown on profiles retained by gender



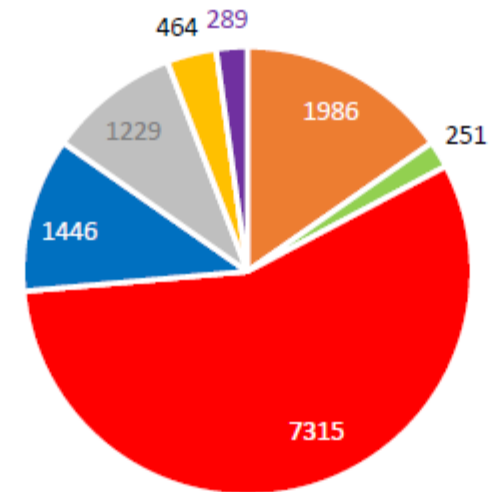
Male Female

Breakdown on crime scene matches by offence group (since 2011)

Crime Scenes – Total

Unidentified Crime Scenes Profiles retained	22,173
Crime Scene Match Reports issued	41,332
Crime Scene Match Rate (since April 2011)	58%

Crime Scene Match Reports against S18A CJ Profiles	184
Crime Scene Match Reports against S18B (sex/vio) CJ Profiles	13
Crime Scene Match Reports against S18B (non sex/vio) CJ Profiles	111
Crime Scene Match Reports against S18D CJ Profiles	95
Crime Scene Match Reports against S18E CJ Profiles	2



Group 1 Group 2 Group 3 Group 4 Group 5 Group 6 Group 7

Volunteers – Total

Number of ILS Profiles Retained	5,009
Number of General Volunteers Retained	257
Total Number of Volunteer Matches	39

April 2018 – March 2019

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Scottish DNA Database Statistics 2018/2019



These statistics outline the management and investigative activity around the Scottish DNA Database. Further information on the statistics provided can be found on the 'Further Information' page below.

CJ Profile Retention - This Month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
CJ Profiles added	1500	1871	1653	1639	1824	1629	1802	1572	1520	1465	1144	1791	19410
CJ Profiles removed	868	1007	745	868	1381	762	999	1028	789	795	780	1211	11233
CJ Profiles classified as S18A retention	246	329	312	266	355	253	302	314	200	148	128	175	3028
S18A Profiles removed after reaching the end of retention period	184	246	217	201	225	211	229	237	180	222	239	247	2638
S18A Profiles replaced by a convicted DNA Profile	28	28	9	19	37	20	23	24	17	17	9	12	243
CJ Profiles classified as S18B (sex/vio) retention	22	16	18	14	19	15	26	14	2	5	4	12	167
S18B (sex/vio) Profiles removed after reaching the end of retention period	12	8	8	22	16	21	13	12	8	28	14	20	182
S18B (sex/vio) Profiles replaced by a convicted DNA Profile	1	1	2	3	1	0	1	4	3	0	0	4	20
CJ Profiles classified as S18B (non-sex/vio) retention	65	58	45	57	55	47	93	51	42	38	14	36	601
S18B (non-sex/vio) Profiles removed after reaching the end of retention period	77	48	51	70	72	89	86	48	41	72	64	91	809
S18B (non-sex/vio) Profiles replaced by a convicted DNA Profile	7	7	8	8	10	4	5	14	9	3	6	8	89
CJ Profiles classified as S18D retention	13	30	28	36	17	33	21	40	29	21	23	26	317
S18D Profiles removed after reaching the end of retention period	40	45	38	42	34	36	48	33	46	37	29	29	457
S18D Profiles replaced by a convicted DNA Profile	0	8	4	3	2	1	0	5	4	1	0	2	30
CJ Profiles classified as S18E retention	1	0	0	1	3	3	1	0	0	3	0	0	12
S18E Profiles removed after reaching the end of retention period	1	0	0	2	0	0	0	0	0	1	0	3	7
S18E Profiles replaced by a convicted DNA Profile	0	0	0	0	0	0	0	1	0	0	0	1	2

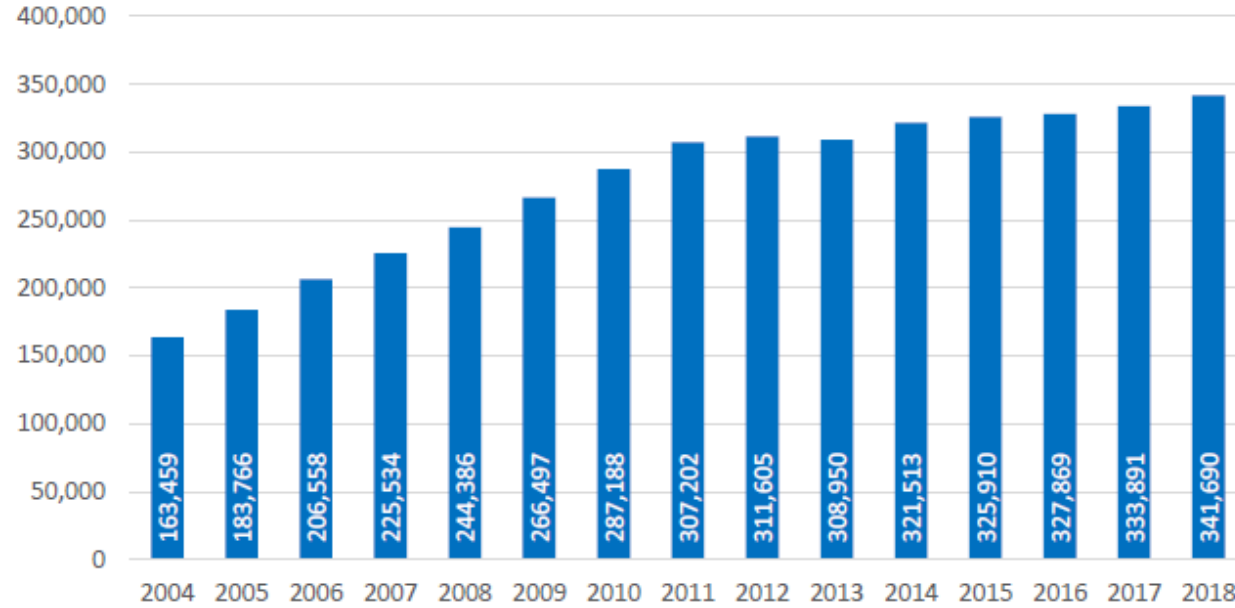
Crime Scenes - This month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
Unidentified profiles from Crime Scenes added	196	236	167	167	177	145	141	179	132	124	254	224	2142
New CJ Profiles added that matched to an existing Crime Scene profile	23	32	25	25	28	21	27	19	20	28	22	15	285
New Crime Scenes profile that matched to an existing CJ Profile	105	131	93	97	107	96	103	106	74	85	159	133	1289
Unidentified Crime Scene profiles matching another unidentified Crime Scene Profile	3	5	7	3	5	6	2	8	1	2	8	6	56
Crime Scene Match Reports issued	131	168	125	125	140	123	132	133	95	115	189	154	1630
Match rate of a new CJ profile matching an existing Crime Scene Profile	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	1%	1%
Match rate of a new Crime Scene profile matching an existing CJ Profile	54%	56%	56%	58%	60%	66%	73%	59%	56%	69%	63%	59%	60%
Matches against Group 1 Offence Crime Scenes	18	17	18	9	14	11	13	10	9	14	23	7	163
Matches against Group 2 Offence Crime Scenes	0	3	3	0	4	7	2	4	2	1	6	5	37
Matches against Group 3 Offence Crime Scenes	62	97	60	80	71	71	81	74	53	63	112	96	920
Matches against Group 4 Offence Crime Scenes	22	15	12	12	13	9	17	16	9	17	15	11	168
Matches against Group 5 Offence Crime Scenes	19	23	23	11	16	10	9	21	12	14	14	19	191
Matches against Group 6 Offence Crime Scenes	6	5	6	7	12	7	7	5	9	2	11	8	85
Matches against Group 7 Offence Crime Scenes	4	8	3	6	10	8	3	3	1	4	8	8	66
S18A CJ Profiles matching a Crime Scene Profile	2	0	2	3	1	1	2	1	0	1	1	3	17
S18B (sex/vio) CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	1	0	0	1	0	2
S18B (non sex/vio) CJ Profiles matching a Crime Scene Profile	1	0	1	0	1	1	1	1	0	0	1	0	7
S18D CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	1	1	0	0	3	0	0	5
S18E CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	0	0	0	0

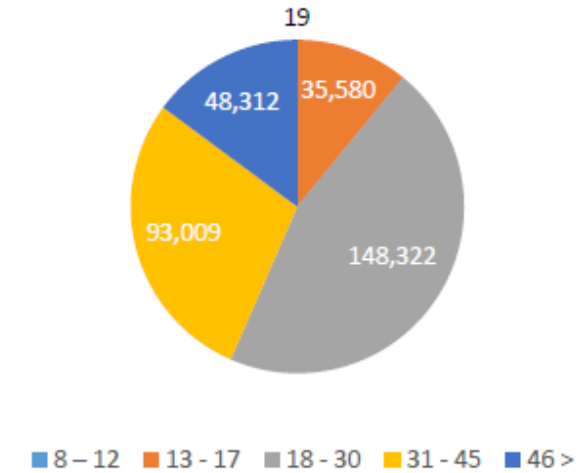
Crime Scene Spec Searches undertaken	104	124	111	96	99	89	122	96	73	86	140	153	1293
Crime Scene Spec Search matches	69	61	71	53	67	50	67	44	43	50	81	95	751
Crime Scene Spec Search % matches	66%	49%	64%	55%	68%	56%	55%	46%	59%	58%	58%	62%	696%

CJ Profile Retention – Total

CJ Profiles retained on the Scottish DNA Database



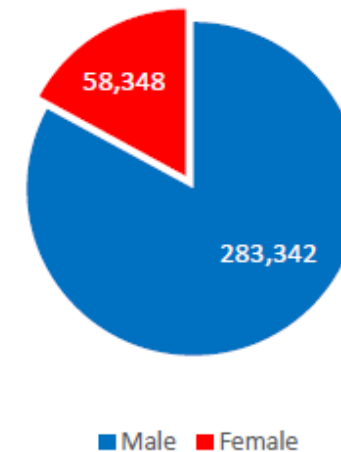
Breakdown on profiles retained by age when the sample was taken



CJ Profile Temporary Retention

S18A Retained	7707
S18B (sex/vio) Retained	788
S18B (non-sex/vio) Retained	1544
S18D Retained	722
S18E Retained	23
S18A Extensions Requested	3
S18B (sex/vio) Extensions Requested	0
S18E Extensions Requested	0

Breakdown on profiles retained by gender



Crime Scenes – Total

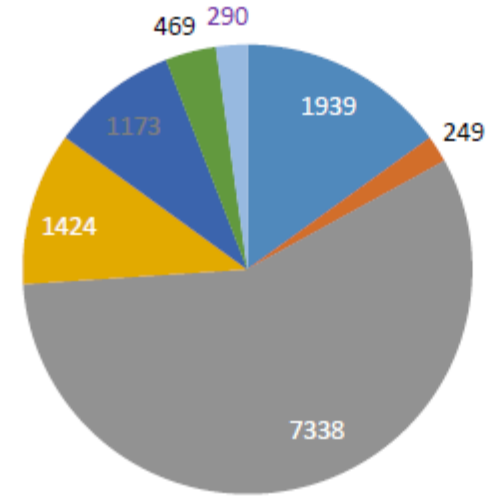
Unidentified Crime Scenes Profiles retained	22,521
Crime Scene Match Reports issued	41,234
Crime Scene Match Rate (since April 2011)	58%

Crime Scene Match Reports against S18A CJ Profiles	175
Crime Scene Match Reports against S18B (sex/vio) CJ Profiles	15
Crime Scene Match Reports against S18B (non sex/vio) CJ Profiles	110
Crime Scene Match Reports against S18D CJ Profiles	98
Crime Scene Match Reports against S18E CJ Profiles	1

Volunteers – Total

Number of ILS Profiles Retained	5,010
Number of General Volunteers Retained	342
Total Number of Volunteer Matches	40

Breakdown on crime scene matches by offence group (since 2011)



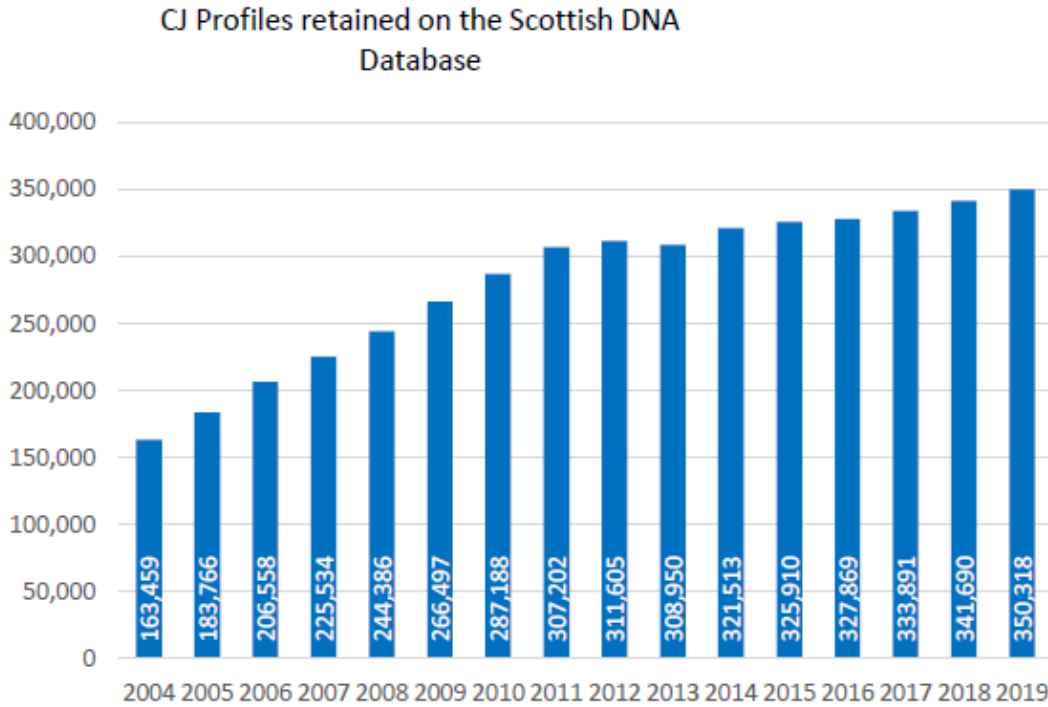
■ Group 1 ■ Group 2 ■ Group 3 ■ Group 4 ■ Group 5 ■ Group 6 ■ Group 7

Crime Scenes - This month

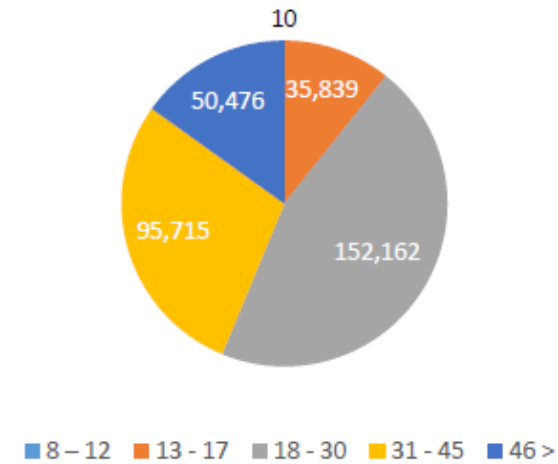
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
Unidentified profiles from Crime Scenes added	159	192	198	166	136	220	212	212	147	206	193		2041
New CJ Profiles added that matched to an existing Crime Scene profile	50	37	29	38	28	27	38	37	31	22	22		359
New Crime Scenes profile that matched to an existing CJ Profile	91	101	116	116	76	126	123	154	91	132	119		1245
Unidentified Crime Scene profiles matching another unidentified Crime Scene Profile	5	6	5	7	7	8	6	3	1	15	8		71
Crime Scene Match Reports issued	146	144	150	161	111	161	167	194	123	169	149		1675
Match rate of a new CJ profile matching an existing Crime Scene Profile	2%	2%	2%	2%	2%	2%	2%	2%	2%	1%	1%		2%
Match rate of a new Crime Scene profile matching an existing CJ Profile	57%	53%	59%	70%	56%	57%	58%	73%	62%	64%	62%		61%
Matches against Group 1 Offence Crime Scenes	14	7	19	15	13	23	20	20	10	14	16		171
Matches against Group 2 Offence Crime Scenes	5	3	4	3	1	4	3	5	3	2	5		38
Matches against Group 3 Offence Crime Scenes	71	85	67	88	69	89	88	110	79	89	77		912
Matches against Group 4 Offence Crime Scenes	18	20	17	21	10	22	16	18	8	20	15		185
Matches against Group 5 Offence Crime Scenes	28	15	25	19	7	11	26	23	13	31	23		221
Matches against Group 6 Offence Crime Scenes	7	7	11	11	5	7	9	11	6	9	10		93
Matches against Group 7 Offence Crime Scenes	3	7	7	4	3	5	5	7	2	4	3		50
S18A CJ Profiles matching a Crime Scene Profile	0	1	0	3	1	0	1	4	2	5	2		19
S18B (sex/vio) CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	1	1	0		2
S18B (non sex/vio) CJ Profiles matching a Crime Scene Profile	1	0	0	1	0	1	1	0	2	0	1		7
S18D CJ Profiles matching a Crime Scene Profile	1	0	0	1	0	1	0	2	1	0	0		6
S18E CJ Profiles matching a Crime Scene Profile	0	0	0	0	0	0	0	0	0	0	0		0

Crime Scene Spec Searches undertaken	120	117	105	118	121	122	98	143	110	142	123		1319
Crime Scene Spec Search matches	71	63	57	80	80	78	66	79	68	81	66		789
Crime Scene Spec Search % matches	59%	54%	54%	68%	66%	64%	67%	55%	62%	57%	54%		660%

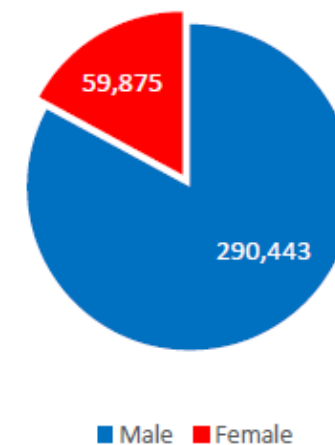
CJ Profile Retention – Total



Breakdown on profiles retained by age when the sample was taken



Breakdown on profiles retained by gender



CJ Profile Temporary Retention

S18A Retained	7123
S18B (sex/vio) Retained	696
S18B (non-sex/vio) Retained	1139
S18D Retained	573
S18E Retained	22
S18A Extensions Requested	0
S18B (sex/vio) Extensions Requested	0
S18E Extensions Requested	0

Crime Scenes – Total

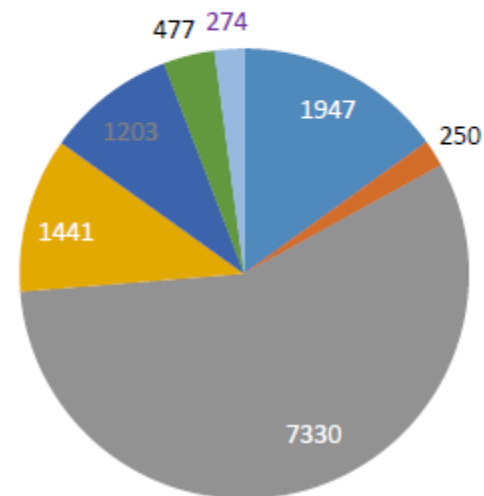
Unidentified Crime Scenes Profiles retained	23,097
Crime Scene Match Reports issued	41,279
Crime Scene Match Rate (since April 2011)	58%

Crime Scene Match Reports against S18A CJ Profiles	177
Crime Scene Match Reports against S18B (sex/vio) CJ Profiles	15
Crime Scene Match Reports against S18B (non sex/vio) CJ Profiles	110
Crime Scene Match Reports against S18D CJ Profiles	99
Crime Scene Match Reports against S18E CJ Profiles	1

Volunteers – Total

Number of ILS Profiles Retained	5,010
Number of General Volunteers Retained	361
Total Number of Volunteer Matches	40

Breakdown on crime scene matches by offence group (since 2011)



■ Group 1 ■ Group 2 ■ Group 3 ■ Group 4 ■ Group 5 ■ Group 6 ■ Group 7

April 2020 – March 2021

OFFICIAL

SCOTTISH POLICE
AUTHORITY

Scottish DNA Database Statistics 2020/2021



These statistics outline the management and investigative activity around the Scottish DNA Database. Further information on the statistics provided can be found on the 'Further Information' page below.

CJ Profile Retention - This Month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
CJ Profiles added			1892	1849	1861	1779	1536	1263	1386	1244	1065	1276	15151
CJ Profiles removed			1295	899	956	1048	981	808	873	545	883	787	9075
CJ Profiles classified as S18A retention			138	115	164	136	165	198	161	84	147	140	1448
S18A Profiles removed after reaching the end of retention period			299	153	235	176	176	210	197	172	215	231	2064
S18A Profiles replaced by a convicted DNA Profile			12	16	8	7	12	14	13	2	9	5	98
CJ Profiles classified as S18B (sex/vio) retention			17	24	11	19	20	12	8	3	13	17	144
S18B (sex/vio) Profiles removed after reaching the end of retention period			28	22	24	29	27	40	38	31	30	40	309
S18B (sex/vio) Profiles replaced by a convicted DNA Profile			0	4	0	4	1	0	1	0	1	0	11
CJ Profiles classified as S18B (non-sex/vio) retention			61	76	43	55	68	35	13	16	44	40	451
S18B (non-sex/vio) Profiles removed after reaching the end of retention period			48	46	42	43	37	43	42	28	45	40	414
S18B (non-sex/vio) Profiles replaced by a convicted DNA Profile			4	7	4	2	1	2	1	0	4	1	26
CJ Profiles classified as S18D retention			7	13	6	9	13	6	6	2	5	5	72
S18D Profiles removed after reaching the end of retention period			36	31	15	24	15	34	34	16	15	28	248
S18D Profiles replaced by a convicted DNA Profile			3	6	1	0	2	4	0	0	0	0	16
CJ Profiles classified as S18E retention			2	1	1	1	1	1	0	0	1	0	8
S18E Profiles removed after reaching the end of retention period			0	1	0	0	0	1	2	0	1	1	6
S18E Profiles replaced by a convicted DNA Profile			0	1	0	0	0	1	0	0	0	0	2

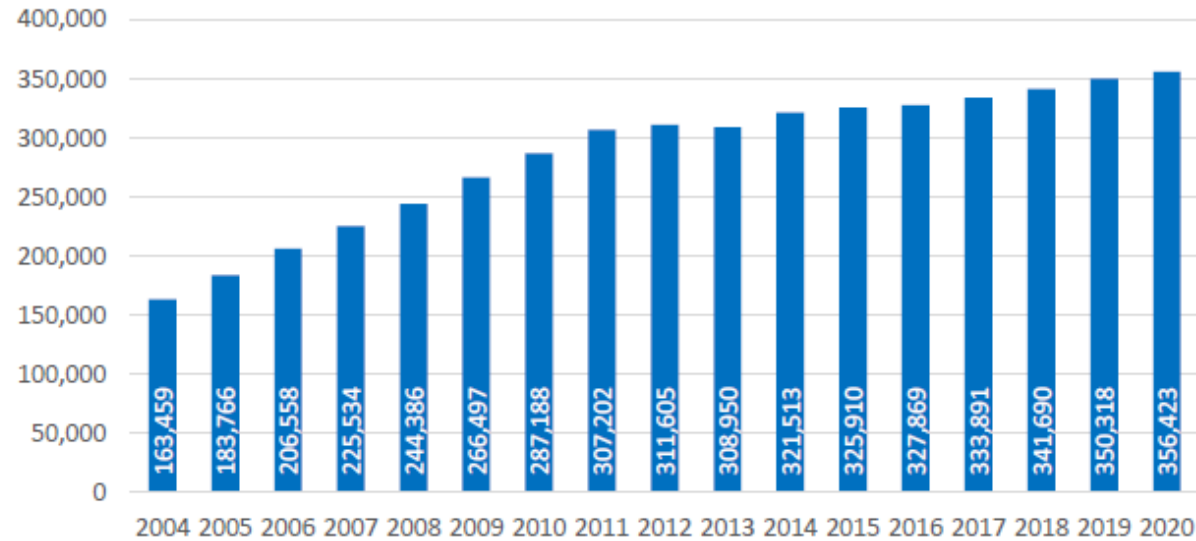
Crime Scenes - This month

	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Yearly Total
Unidentified profiles from Crime Scenes added			118	208	188	164	167	187	179	153	167	191	1722
New CJ Profiles added that matched to an existing Crime Scene profile			45	24	29	29	29	26	19	16	23	18	258
New Crime Scenes profile that matched to an existing CJ Profile			64	133	108	104	104	114	112	93	96	119	1047
Unidentified Crime Scene profiles matching another unidentified Crime Scene Profile			6	4	3	5	3	3	7	7	7	10	55
Crime Scene Match Reports issued			115	161	140	138	136	143	138	116	126	147	1360
Match rate of a new CJ profile matching an existing Crime Scene Profile			2%	1%	2%	2%	2%	2%	1%	1%	2%	1%	2%
Match rate of a new Crime Scene profile matching an existing CJ Profile			54%	64%	57%	63%	62%	61%	63%	61%	57%	62%	61%
Matches against Group 1 Offence Crime Scenes			16	18	16	23	16	28	15	20	28	22	202
Matches against Group 2 Offence Crime Scenes			3	3	1	4	2	2	5	1	0	5	26
Matches against Group 3 Offence Crime Scenes			51	75	73	69	70	65	80	63	59	74	679
Matches against Group 4 Offence Crime Scenes			16	23	20	20	21	11	10	7	13	13	154
Matches against Group 5 Offence Crime Scenes			13	19	14	8	14	21	15	9	10	20	143
Matches against Group 6 Offence Crime Scenes			9	13	12	9	11	8	7	9	9	5	92
Matches against Group 7 Offence Crime Scenes			7	10	4	5	2	8	6	7	7	8	64
S18A CJ Profiles matching a Crime Scene Profile			1	3	2	1	2	0	0	0	4	1	14
S18B (sex/vio) CJ Profiles matching a Crime Scene Profile			1	0	0	0	0	0	0	0	0	0	1
S18B (non sex/vio) CJ Profiles matching a Crime Scene Profile			1	0	0	0	0	0	0	0	0	0	1
S18D CJ Profiles matching a Crime Scene Profile			1	1	0	0	0	1	0	0	0	0	3
S18E CJ Profiles matching a Crime Scene Profile			0	0	0	0	0	0	0	0	0	0	0

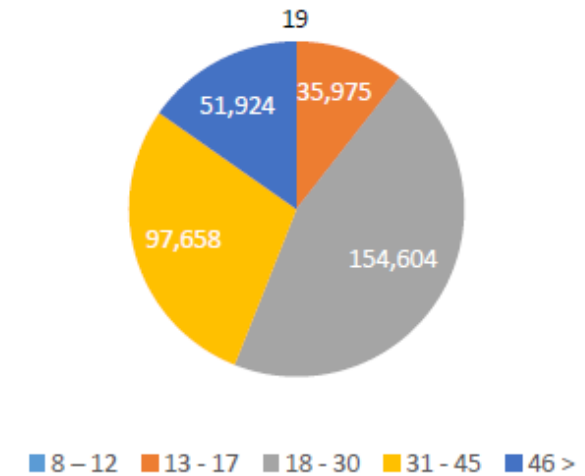
Crime Scene Spec Searches undertaken			94	109	95	119	111	95	133	80	96	118	1050
Crime Scene Spec Search matches			60	71	62	77	73	63	81	56	59	69	671
Crime Scene Spec Search % matches			64%	65%	65%	65%	66%	66%	61%	70%	61%	58%	642%

CJ Profile Retention – Total

CJ Profiles retained on the Scottish DNA Database



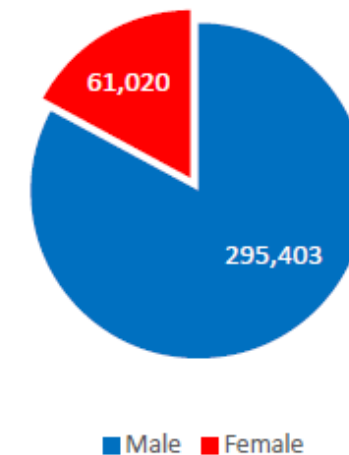
Breakdown on profiles retained by age when the sample was taken



CJ Profile Temporary Retention

S18A Retained	5412
S18B (sex/vio) Retained	437
S18B (non-sex/vio) Retained	956
S18D Retained	341
S18E Retained	18
S18A Extensions Requested	0
S18B (sex/vio) Extensions Requested	0
S18E Extensions Requested	0

Breakdown on profiles retained by gender

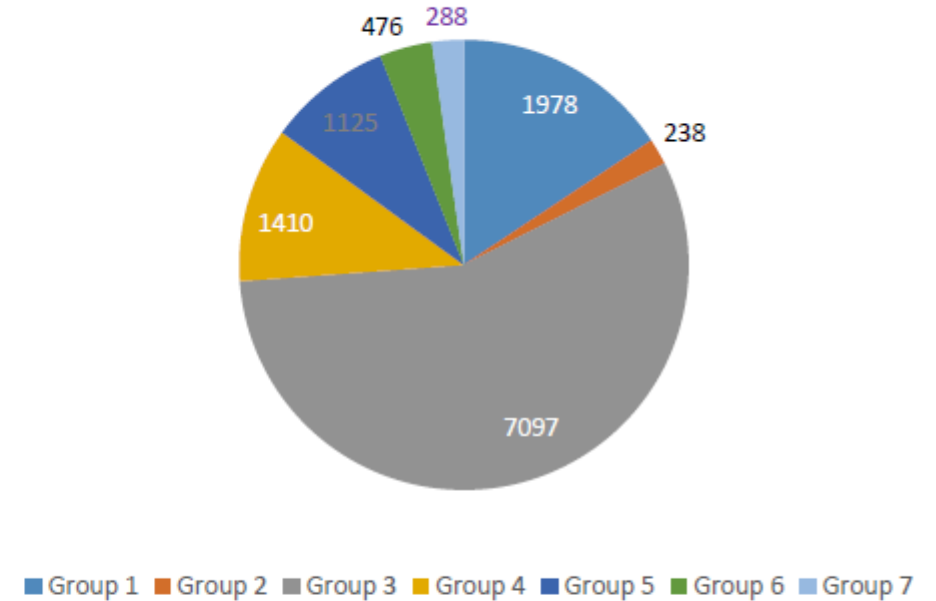


Crime Scenes – Total

Unidentified Crime Scenes Profiles retained	26,364
Crime Scene Match Reports issued	40,964
Crime Scene Match Rate (since April 2011)	58%

Crime Scene Match Reports against S18A CJ Profiles	172
Crime Scene Match Reports against S18B (sex/vio) CJ Profiles	14
Crime Scene Match Reports against S18B (non sex/vio) CJ Profiles	104
Crime Scene Match Reports against S18D CJ Profiles	96
Crime Scene Match Reports against S18E CJ Profiles	1

Breakdown on crime scene matches by offence group (since 2011)



Volunteers – Total

Number of ILS Profiles Retained	5,010
Number of General Volunteers Retained	380
Total Number of Volunteer Matches	40

Further Information

1. What is a CJ profile?

Section 18 of the Criminal Procedure (Scotland) Act 1995 allows officers to obtain mouth/hair samples from arrested persons, or persons detained under Section 14 of the same act. These are commonly known as Criminal Justice (CJ) samples. From these samples, DNA profiles are extracted.

DNA is exactly the same for every person except for slight variations in the code which are responsible for different physical characteristics such as height, eye colour, skin tone and hair colour, for example. These differences are critical for the use of DNA in forensic science.

SPA Forensic Services profiling does not examine all variations between individuals. Instead, the technique is designed to target areas of DNA that are known to differ widely between individuals.

Other than gender, the areas of DNA targeted by Forensic Services' profiling do not contain information that could be attributed to physical characteristics – such as eye colour– or enable definitive determination of medical conditions.

It is possible to identify a person very precisely but the DNA area used to show a match contains virtually no genetic characteristic information.

The current DNA profiling method used for the Scottish DNA Database –known as DNA24 -analyses 23 areas of a person's DNA and the gender marker. The resulting DNA profile is a series of up to 46 numbers plus the gender marker.

This profile is then retained on the Scottish and National DNA Databases for the duration determined by current legislation. Profiles retained on these databases will routinely be searched against unidentified profiles from unsolved crime scenes.

2. CJ profile retention

The retention of DNA is dependent on the outcome of the case for which it was taken for. Section 18 of the Criminal Procedure (Scotland) Act 1995 governs the retention rules. DNA data can be retained indefinitely upon a court conviction (Section 18) and destroyed for non-findings of guilt. The exceptions to these rules are outlined in Sections 18A-E of the Criminal Procedure (Scotland) Act 1995 which allows DNA to be retained for a short period of time depending on specific criteria.

3. What is S18A?

Section 18A of the Criminal Procedure (Scotland) Act 1995 allows DNA data to be retained from individuals when criminal proceedings were initiated for specific sexual or violent offences but those proceedings end without a conviction. In such cases their DNA data can be retained for 3 years plus possible rolling 2 year extensions which can only be decided by a Court.

4. What is S18B?

As an alternative to prosecuting an individual the Procurator Fiscal can offer a fixed penalty or other relevant offers. These are not classed as convictions. Section 18B of the Criminal Procedure (Scotland) Act 1995 allows DNA data to be retained from individuals who have been issued with and accepted a relevant offer or fixed penalty. In cases relating to specific sexual or violent offences the DNA data can be retained for 3 years plus possible rolling 2 year extensions which can only be decided by a Court. In cases relating to all other offences, DNA data can be retained for 2 years after which it must be destroyed. That period cannot be extended.

5. What is S18D?

Police Scotland can offer fixed penalties as an alternative to prosecution for specific offences. These are not classed as convictions. Section 18D of the Criminal Procedure (Scotland) Act 1995 allows DNA data to be retained from individuals who have been issued with and accepted a fixed penalty notice. In such cases their DNA data can be retained for 2 years after which it must be destroyed. That period cannot be extended.

6. What is S18E?

Section 18E of the Criminal Procedure (Scotland) Act 1995 allows DNA data to be retained from children who have been referred to a Children's Hearing. This only applies to those children who are referred for specific violent and sexual offences and either accept these grounds or grounds are established at the hearing. In such cases their DNA data can be retained for 3 years plus possible rolling 2 year extensions which can only be decided by a Court. It applies to children aged 8 years and above, as this is the age of criminal responsibility in Scotland.

7. Why would one profile be replaced by another?

There is no requirement to hold more than one DNA profile per person on the DNA Database therefore once a sample can be retained indefinitely following a court conviction, all other surplus DNA data can be destroyed.

8. Age at date taken

When a DNA sample is taken, the age at the time of the sample being taken is recorded to ensure any DNA data is retained lawfully and information about the range of age groups retained on the DNA Database is available upon request.

9. What is a crime scene profile?

Scene of Crime Officers will attend and obtain production/sample lifts that could be of evidential value left at crime scenes. Forensic laboratory staff obtain DNA profiles from these items if possible and the profiles loaded onto the relevant databases for comparison. These are commonly known as Scene of Crime (SOC) profiles and any matches against subject DNA profiles are then reported to investigating officers.

10. How are profiles compared?

Two profiles are compared using the individual components of a DNA profile known as "alleles". There is a minimum number of components that must be identical to consider the information to be a reliable match

11. What is a match reports?

A match report is issued when two or more profiles loaded to the database have identical DNA profiles. This can be a person's DNA matching a undetected crime scene stain, or two undetected crime scene profiles matching each other.

12. What is a match rate and how is it calculated?

The match rate is provided to highlight how effective DNA can be in detecting unresolved crimes. This figure is representative of the number of crime scene DNA profiles from unsolved crimes that provide an instant match against a subject DNA profile when loaded to the DNA Database.

13. What are offence groups?

Crime in Scotland is recorded in specific categories, known as crime groups, namely:

Group 1 – Non-Sexual Crimes of Violence

This group includes murder, attempted murder, serious assault, robbery, cruelty to children, threats & extortion etc.

Group 2 – Crimes of Indecency

This group includes rape, indecent assault, lewd & libidinous practises, sexual offences, etc

Group 3 – Crimes of Dishonesty

This group includes theft, housebreaking, theft of and from motor vehicles, fraud, etc

Group 4 – Fire and Malicious Damage

This group includes – vandalism, malicious mischief, fire-raising, reckless conduct, etc

Group 5 – Other crimes

This group includes all drug offences, carrying offensive weapon (including knives), bail offences, crime against justice (e.g. perjury), etc

Group 6 – Miscellaneous Offences

This group includes breach of the peace, petty assault, racially aggravated conducted or harassment, alcohol related offences, etc

Group 7 – Road Traffic Offences

This group includes dangerous and careless driving, drink/drug driving, speeding, vehicle defect offences, etc

14. What is a Spec search?

A speculative search of the database is requested when the crime scene profile quality does not meet the national criteria for loading and can be searched as a one-off in the hope of obtaining a match.

15. What is an Intelligence Led Screen?

During major incidents for serious offences Police Scotland can request members of the public to voluntarily supply mouth swab samples in effort to identify the source of a crime scene profile. These operations are called Intelligence Led Screens (ILS). Volunteers can choose to have their DNA profile compared to all outstanding crime scene profiles (A class volunteer) or solely for the operation for which the sample was taken (B class volunteer). These samples are retained until permission is withdrawn (A class) or once the operation is finished (B class).

16. What is a volunteer profile?

Section 56 of the Criminal Justice (Scotland) Act 2003 allows officers to obtain mouth/hair samples from persons willing to voluntarily supply their DNA profile. These profiles are compared to outstanding crime scene profiles and retained until the person withdraws their permission.