



**NatSIP Outcomes
Benchmarking Report
(Academic Year 2010 – 2011)**

SUPPLEMENT

**Service Support
Case Studies**

APRIL 2013

Contents

	Page
INTRODUCTION	3
CASE STUDIES	4
Hearing Impairment	4
Case Study: KS2 Maths (Oxfordshire)	4
Case Study: Student A (Birmingham)	5
Case Study: Student B (Northumberland)	7
Vision Impairment	12
Case Study: Student C (London Borough of Bromley)	12
Multi-Sensory Impairment	17
Case Study: Student D (Surrey)	17
APPENDIX	20
NatSIP Outcomes Benchmarking Performance Indicators	21

INTRODUCTION

As stated in section 2.2 of the 2012 NatSIP Outcomes Benchmarking report (2010 – 2011 academic year data), the main purpose of the project is to provide reliable data for use by local authority Sensory Support Services to evidence their impact and inform development needs.

Although feedback from Sensory Support Services has shown that the benchmarking data does have several applications which are proving to be useful, it is of course recognised that, with all the variables involved, it is very difficult to establish from the data a direct link between Sensory Support Service involvement and the actual progress of the children and young people. In this circumstance and acting upon a helpful suggestion from the DfE, it was decided by the NatSIP Outcomes Benchmarking Steering Group to gather some case studies to illustrate how Sensory Support Services are contributing to educational outcomes.

The five case studies presented have been selected to span hearing, vision and multi-sensory impairment in relation to a range of outcomes. The initial case study shows how the benchmarking data is being used by a Service to develop support in a specific curriculum area. The remaining four case studies chart the support that has been provided for individual children and young people, their families and settings over time along with the educational progress/achievements of the students.

The full set of Performance Indicators (PIs) that are employed within the outcomes benchmarking exercise is provided in the Appendix. Whilst these PIs are expressed in terms of the outcomes for groups of children and young people, most (though not all) include criteria that are relevant to the progress/achievements of individual pupils referred to within the case studies e.g. achieving a score of 78 points or more across all 13 Early Years Foundation Stage Profile Scales.

CASE STUDIES

Hearing Impairment

Case Study: KS2 Maths

It was found helpful to summarise our LA's results on each of the Outcomes Benchmarking performance indicators in tabular form as shown in example 1 below:

Example 1:

Performance Indicator: Percentage of C&YP with HI achieving 5 or more A*-C GCSE's or equivalent including English and mathematics by the end of KS4

Academic Year	DfE data all pupils	NatSIP data All HI	Our LA data All HI	NatSIP gap	Our LA gap
2010-11	58.2%	42.2%	66.7% (n=6)	16.0%	No gap

LA gap results were 'traffic lighted' to highlight any areas of possible concern whilst recognising there was a need to consider year on year trend data as sample sizes are very small. The analysis indicated one performance indicator where two sets of consecutive cohort data show a gap. The 2010-11 results are illustrated in Example 2 for this performance indicator; pupils with HI, Maths at end of KS2.

Example 2:

Performance Indicator: Percentage of C&YP with HI progressing by two or more levels in mathematics at KS2

Academic Year	DfE data all pupils	NatSIP data All HI	Our LA data All HI	NatSIP gap	Our LA gap
2010-11	82%	72.7%	66.7% (n=12)	9.3%	15.3%

In response to this a focus on developing staff awareness and expertise in Maths assessment and interventions has been built into the Team's training programme. This has been linked to Performance Management where appropriate. One of the area HI managers is taking the lead on this across the team as she is particularly interested in this area.

Contact:

Nicky Ereaut Email: Nicky.Ereaut@oxfordshire.gov.uk

Sensory, Physical & Complex Needs, SEN Support Services, Oxfordshire

Case Study: Student A

Nature and severity of the sensory impairment of the student:

Student A, now in Year 12, has a severe/profound, sensori-neural hearing loss.

NatSIP Outcomes Benchmarking Performance Indicator to which the case study relates:

PI 10: % of young people with hearing impairment achieving 5 or more A* - C GCSEs (or equivalent), including English and mathematics, by the end of KS4.

NB A's examination results are presented towards the end of the case study

How the Service has contributed over time to the student's progress and educational outcomes.

The Sensory Support Service bases its support allocation on the NatSIP Eligibility Criteria. Weekly visits were provided when A was a baby. At the primary stage, support was provided through the school's Hearing Resource Base. In the secondary school support has mainly been provided through fortnightly visits.

Support has included:

- Provision of equipment and training in use of equipment for both student and staff
- Staff INSET

- Training of Teaching Assistants and support of TAs, giving strategies, pre and post tutoring etc.
- Regular discussion/liaison with TA and SENCo on use of support and further ideas
- Provision of resources for TA in English and Maths especially
- 1:1 support from TA including note taking in some lessons to enable A to listen and process the information delivered in class
- 1:1 tutoring with Teacher of the Deaf (ToD)
- Advice on exam concessions
- Work on speech and confidence using drama based activities
- Peer awareness assemblies
- Encouragement and support with extra curricular activities
- Writing and updating of hearing aid management plans
- Monitoring of implementation of strategies across the whole curriculum
- Annual tracking of expected and achieved levels of progress after meeting with SENCo with recording on 'Record of Involvement Forms'
- Tracking of KS NC levels
- Statutory work relating to Annual Reviews of the Statement of SEN, IEP reviews etc.
- Annual language assessments (e.g. using British Picture Vocabulary Scale) to inform IEPs and 'Other Agency' reports for Annual Review
- Keeping a checklist of Audiological Independence in A's file – dated as he achieves e.g. re-tubing.
- Liaison with parents
- Liaison with outside agencies/audiology
- Sharing of information and support in post 16 provision

Progress/educational outcomes

Student A's Key Stage 2 results

Mathematics	3C
Reading/writing	2A/3C
Science	3A

Student A's Year 11 examination results

Mathematics GCSE	C
English GCSE	C
Geography GCSE	C

History GCSE	C
RE GCSE	C
IT Btec	M2
Science Btec	P2

Evaluation of Service support

Student A's views have been regularly sought e.g. he has fed back that having early morning pre and post tutoring really helped and using his free periods and after school for extra support.

The 'What I Think' questionnaire has been delivered each year to see how he felt each subject was going and what would help (e.g. at one stage student A stated that the Science teacher talked to the board and he engaged the TOD in facilitating a resolution).

His views have also been gathered on how things were going outside the class. This has, for example, led to support in enabling him to discuss/explain his hearing impairment to others.

In terms of parent feedback, A's father commented at the year 11 review (in answer to 'What has worked well?'):

"His support from all the professionals involved and the one to one coaching... Having the extra support for his exams in after school homework club...Having full concentration while someone is note taking...He is independent and more confident in completing his course work...His IT skills have exceeded my expectation."

Contact:

Liz Marshall Email: Elizabeth_A_Marshall@birmingham.gov.uk
Birmingham Sensory Support Services

Case Study: Student B

Nature and severity of the sensory impairment of the student:

B is a 16 year old student with a profound bi-lateral, congenital hearing loss. A severe, bi-lateral sensori-neural hearing loss was diagnosed at 9 months and found to be progressive when B was 8/9 years old.

NatSIP Outcomes Benchmarking Performance Indicator to which the case study relates:

PI 10: % of young people with hearing impairment achieving 5 or more A* - C GCSEs (or equivalent), including English and mathematics, by the end of KS4.

NB B's examination results are presented towards the end of the case study

How the Service has contributed over time to the student's progress and educational outcomes.

B was referred to Northumberland Sensory Support Service at 9 months and equipped with 2 x Picoforte PPCL P2 hearing aids. The service immediately became involved, offering weekly home visits which developed into twice weekly support sessions on entry to nursery (one continuing to support the family in the home and one providing support in the nursery) from a qualified Teacher of the Deaf (ToD) experienced in working with young hearing impaired children.

Hearing aids were very well tolerated from the outset and worn consistently. B was also provided with two auditory training units (ATUs), for both home and nursery. Her Learning Support Assistant (LSA) in the nursery was trained to use this for short period's daily, to ensure B's access to wideband listening experiences. An FM system was successfully introduced prior to entry to nursery. At the age of 10, B received her first cochlear implant (CI). Her ToD, working in collaboration with family, school and health, devised a rehabilitation programme to ensure maximal development of listening via her implant.

Support for B has been maintained over her years of schooling and is currently weekly as she has recently received a sequential CI and we are, once again, working on rehabilitation. This is considerably more challenging as B is now studying for her A Levels, but a programme has been devised which aligns auditory skills with work on phonetics, thereby supporting A-Level English and laying firm foundations for studying English at university.

The Service helped in the appointment of a Learning Support Assistant (LSA) when B first entered nursery, and again for school,

and provided a robust programme of training (this is now an accredited training programme) in addition to regular liaison.

The Service uses the NatSIP Eligibility Criteria for Support (2009 Revision) for all children on our caseloads. While this was not available when B was first diagnosed, she would have fitted the criteria for the level of support provided.

Service engagement has predominantly involved:

- Supporting the family, particularly when B was initially diagnosed and through the first few years, and at times of transition/audiological stress.
- Providing direct interventions for areas of development that have been impacted upon by her impairment e.g. auditory development, communication, speech, literacy etc. and which lie beyond the skills and knowledge of school staff.
- Completing specialist assessments aligned to these areas of development, evaluating results and using the information to support planning and advise others of identified areas of need. Analysing standardised scores to ensure personal progress is maintained over time.
- Providing INSET and ongoing advice/guidance to school based colleagues on the nature of her impairment, its impact on the educational process and means by which the school can help facilitate access to the curriculum.
- Working in collaboration with school colleagues, the pupil and family, to provide Intervention Plans (IPs), and contribute to the school's programmes of study, Annual Reviews of the Statement of Special Educational Needs etc.
- Providing and maintaining all audiological equipment, in collaboration with colleagues in health. Reporting, as required, on functionality and interpreting audiological reports for parents and school colleagues.
- Promoting well-being through support to leisure pursuits (B is a beautiful dancer and has performed on stage at the local theatre on a number of occasions) and by creating opportunities for B to

meet with other deaf young people outside the school environment.

Progress/educational outcomes

B attends her local high school and is currently studying for 4 A-Levels in Maths, Chemistry, English Language & French. In Year 11 she achieved the following GCSE passes:

Maths	A*
English Language	A*
Physics	A*
English Lit	A
Chemistry	A
Biology	A
ICT	A
French	A
Level 2 Project	A
RE	B
History	B
PE	B

B's record of Key Stage attainments is set out below:

KS1 Results	Student B
Writing Task Level	3
Writing AT3	2
Reading Task Level	2A
Reading AT2	2
Speaking and Listening AT1	2
English TA Level	2
Maths Test Level	2A
Maths TA Level	2
Science TA Level	2

KS2 Results	Student B
Writing Test Level	4
Writing AT3	5
Reading Test Level	5
Reading AT2	5
English Test Level	5

English TA Level	5
Maths Test Level	5
Maths TA Level	5
Science Test Level	5
Science TA Level	5

KS2 Results	Student B
English TA Level	7
Maths TA Level	8
Science TA Level	7

Evaluation of Service support

Pupil, Parent and School Satisfaction audits are carried out by the Service, the most recent being gathered in the summer term 2012.

B rated all aspects of help from the ToD as excellent and commented in relation to what had worked particularly well this year:

“Completing my GCSE’s to an excellent standard”.

B’s parent similarly rated the quality of service in all areas as excellent. Comments included:

“I cannot think of a single thing the Service could add to their fantastic support system to students, parents or school”.

From the school’s perspective, quality of service was also rated excellent in all but two (‘very good’) areas.

Contact:

*Sue Churchill Email: susan.churchill@northumberland.gov.uk
Northumberland Sensory Support Service*

Vision Impairment

Case Study: Student C

Nature and severity of the sensory impairment of the student:

C, a Year 7 student, has albinism which means she has no pigment in her eyes, hair or skin. Her vision is measured at 1.3 logMAR (2/60 Snellen) which means she can only see print held just in front of her eyes. She cannot see clearly in the distance beyond 1 metre. She cannot see the whiteboard in school and requires all print to be enlarged to font N28. She has nystagmus, which is a wobble of the eye, causing difficulties with tracking and scanning and further impacting on distance vision.

NatSIP Outcomes Benchmarking Performance Indicators to which the case study relates:

PI 1: Average subtotal score achieved by children with vision impairment for Communication, Language and Literacy at the end of the EYFS.

PI 2: Average total score for all 13 EYFS Profile scales achieved by children with vision impairment at the end of the EYFS.

PI 3: % of children with vision impairment achieving a score of 78 points or more across all 13 EYFS Profile scales.

PI 4: % of children with vision impairment progressing by two or more levels in English at KS2.

PI 5: % of children with vision impairment progressing by two or more levels in mathematics at KS2.

PI 6: % of children with vision impairment achieving Level 4 or above in both English and mathematics at the end of KS2.

NB C's assessment results are presented at the end of the case study. Her achievements/progress met the criteria within PIs 3 - 6

How the Service has contributed over time to the student's progress and educational outcomes.

The Vision Team employs NatSIP's Eligibility Criteria (2009 Version) as a basis for support allocation and C consistently scores at a level which translates into weekly visits by the Qualified Teacher of Vision Impairment (QTVI).

The Vision Team has worked with C since diagnosis at birth. In the early years this involved weekly visits to offer advice as to play activities which would ensure that her development was in line with her peers. We used the Oregon Checklist (we would now use the Developmental Journal for Vision impairment) to monitor whether she was meeting her developmental milestones and to target work on areas where she was delayed. C was trained to use a video magnifier, which she had at home, and provided with Low Vision Aids by the Orthoptist at the Paediatric LVA clinic at our local hospital before she was 3 years. The Vision Team along with her parents ensured that she could use these competently.

Pre-school

Once C started pre-school the QTVI visited weekly in accordance with the NATSIP Eligibility Criteria.

Training was provided to all staff and input by the QTVI was targeted to develop:

- Mobility
- Learning
- Independent living skills
- Social speech and language, although this pupil had age appropriate language skills.

A video magnifier was provided by the Vision Team for use at pre-school.

Primary School

In preparation for the pupil starting school, training was provided for all staff. IT was provided by the Vision Team at a time agreed by all involved.

A Teaching Assistant (TA) from the Vision Team was part of the team supporting C in school. The TA prepared materials and taught the school how to prepare them. All TAs, whether employed by the school or the Vision Team provided support when C required it and left her to work as independently as possible as often as possible.

Targeted blocks of work over C's primary education have been:

- Correct letter formation
- Phonic support and teaching
- Touch typing lessons
- Methods of learning spellings (C does not pick up spellings incidentally from displays around the walls of the classroom)
- Extra tuition with small measures, protractor work, graphs, rotation and symmetry.

Input has always been for skills the pupil will not pick up incidentally, unlike sighted pupils, because of her severe vision impairment. Decisions about how and when to target extra input have been made between the Class Teacher, SENCo, parents, QTVI and TA and have been based on an analysis of results of assessments and tests, tracking, target setting and IEP target reviews and planning.

Secondary School

C now attends a maintained academy and whole school training was provided in the summer term of 2012 before she transferred. The Vision Team provided a tablet which was chosen by the IT team at the school. This has the school internet access installed, copies of some text books so that they can be enlarged and, at the beginning of a lesson, each teacher can load their PowerPoint on to a memory stick so that C can see the presentation on her tablet.

The QTVI's sessions have entailed visiting a different lesson each week to ensure that the teachers are aware of C's vision impairment and that she can access the curriculum.

Access arrangements for Exams

The Vision Team has always ensured that enlarged/modified test papers are applied for and extra time is allowed so that tests can be accessed. C always takes longer to complete visual tasks as she

has to peer so closely to see and has difficulties tracking and scanning.

Progress/educational outcomes

EYFSP Results 2006	Student C
Disposition and Attitudes	7
Social Development	4
Emotional Development	5
Personal, Social and Emotional Development Total	16
Language for Communication and Thinking	5
Linking Sounds and Letters	7
Reading	7
Writing	8
Communication, Language and Literacy Total	27
Numbers as Labels and for Counting	7
Calculating	7
Shape, Space and Measures	7
Problem Solving, Reasoning and Numeracy Total	21
Knowledge and Understanding of the World	5
Physical Development	8
Creative Development	5
Total EYFSP Score	82

KS1 Results 2008	Student C
Reading	2A
Writing	2B
Speaking and Listening	2
Maths	2B
Science	2

KS2 Results 2012	Student C
Writing TA Level	5
Reading Test Level	5
English Final Level	5

English TA Level	5
Maths Final Level	5
Maths TA Level	5
Science TA Level	4

Evaluation of support

The views of the school were canvassed regarding the support for C in 2009/10. They felt strongly that the advice of the QTVI had aided C's progress. They commented:

"Our two pupils with VI are making very good progress academically."

They graded the team as 'strongly agree' in relation to whether:

- the advice/support of the specialist teacher had aided inclusion
- the written advice provided by the team was clear and useful
- the frequency of visits was sufficient

The views of the student were canvassed in 2009/10. C rated the Vision Team at 9/10 (10 being the maximum) for:

- frequency of visits
- equipment and materials
- support and how we could help her to learn better

Her comment was:

"They are actually quite good for me. Mrs M types out stuff for me and Mrs W helps me lots. Mrs M knows I have independence. I wouldn't change anything."

The views of the parents were canvassed in 2010/11. When asked if the advice and support of the Vision Team has enabled C to make appropriate progress in line with the school's expectations they strongly agreed. When asked how this has been achieved they cited that the Vision Team had supported since birth and that they:

"Couldn't have got anywhere without the Vision Team Support."

They felt that the information, training and support given to the school by the Vision Team had contributed to her excellent progress since she started school.

Contact:

Sally Thomas Email: sally.thomas@bromley.gov.uk
London Borough of Bromley

Multi-Sensory Impairment

Case Study: Student D

Nature and severity of the sensory impairment of the student:

Student D, now in Higher Education, has moderate multi-sensory impairment (MSI), a dual impairment with a moderate loss for vision impairment (VI) and mild hearing impairment (HI).

D has Moebius Syndrome, which is characterized by bilateral facial paralysis resulting from the underdevelopment of the 6th and 7th cranial nerves. The 6th cranial nerve controls lateral eye movements so D cannot move his eyes from side to side resulting in restricted field of vision and distorted depth perception.

D also has a bilateral sensori-neural hearing loss with an additional fluctuating conductive loss.

D's hearing loss was diagnosed at the age of 1 year 2 months with immediate referral to the Sensory Support Service for HI. A referral was made to the Service for VI in August 2004. A subsequent referral was made to the Sensory Support Service for MSI in January 2008.

NatSIP Outcomes Benchmarking Performance Indicators to which the case study relates:

PI 9: % of young people with multi-sensory impairment achieving 5 or more A* - G GCSEs (or equivalent), including English and mathematics, by the end of KS4.

PI 10: % of young people with multi-sensory impairment achieving 5 or more A* - C GCSEs (or equivalent), including English and mathematics, by the end of KS4.

PI 11: % of young people with multi-sensory impairment achieving 5 or more A* - C GCSEs (or equivalent), in any subjects, by the end of KS4.

PI 12: % of young people with multi-sensory impairment with planned education or employment paths in place by the end of KS4.

NB Student D's GCSE results met the criteria within PIs 9 – 11.

How the Service has contributed over time to the student's progress and educational outcomes.

In addition to the contribution set out below, comprehensive planning and support was provided over transitions, including close liaison with the family and settings, in accord with the Physical and Sensory Support Service's Transition policy.

Pre-school

D was visited by an HI Advisory Teacher on a termly basis with support being provided to her mother.

KS 1 - 3

The HI Advisory Teacher made termly visits to the primary school during KS 1 & 2. D's vision impairment was diagnosed just before entry to secondary school and termly visits were made by both the HI and VI Advisory Teachers during KS 2 & 3.

On school visits advice was provided regarding use of equipment, positioning, modification and examination arrangements in addition to functional vision assessments and pupil tutorials to discuss access and support.

Liaison was undertaken with the school nurse.

On entry to primary and secondary schools, INSET was provided for all staff with regard to the implications of D's sensory impairment on access to the curriculum.

As D sat entrance examinations for secondary school, examination access requirements were shared with all settings and advice provided.

KS 4

At KS4, support from the Teacher for MSI was provided in addition to the continuing termly input from the HI and VI Advisory Teachers.

The Teacher for MSI made use of the NatSIP Eligibility Criteria (2009 Revision) to identify the pattern of support and visiting, resulting in a planned input of termly visits.

Liaison was undertaken with HI and VI Advisory Teachers to ensure that support was well co-ordinated and met priorities for both D and the school.

As D had been in the setting since Year 7, only minimal staff INSET was required. Any areas of difficulty were highlighted through lesson observations in conjunction with tutorials with the student and discussion with the SENCo and addressed accordingly.

Information and reports for access arrangements for external examinations were provided.

Yr 12/13

D made direct contact to request tutorials when required.

Staff training was offered with regard to transition from Teaching Assistant support to ensuring modification to enable independent access.

Information and reports for access arrangements for external examinations were provided.

Support was given with the application for Disabled Student Allowances and individual university access services such as housing requirements due to the impact of D's sensory impairments and Moebius Syndrome.

At A level D achieved A, A, C grades. D sent an email to the PSS team to share her results including the quote:

"I want to say a huge thank you to all of you who have supported me so well for so many years. Please pass my thanks on to everyone."

Subsequently D has contacted the service via her mother to update PSS staff with how things are going, in her words:

“because of all the support and involvement (we) have had with her since she was little.”

Contact:

Pam Todd Email: pamela.todd@surreycc.gov.uk

Surrey Physical and Sensory Support Service

APPENDIX: NatSIP Outcomes Benchmarking Performance Indicators

Key Stage	PI no.	Performance Indicator (PI)
Early Years Foundation Stage (EYFS)	1	Average subtotal score achieved by children with (sensory) impairment for Communication, Language and Literacy at the end of the EYFS.
	2	Average total score for all 13 EYFS Profile scales achieved by children with (sensory) impairment at the end of the EYFS.
	3	% of children with (sensory) impairment achieving a score of 78 points or more across all 13 EYFS Profile scales.
KS2	4	% of children with (sensory) impairment progressing by two or more levels in English at KS2.
	5	% of children with (sensory) impairment progressing by two or more levels in mathematics at KS2.
	6	% of children with (sensory) impairment achieving Level 4 or above in both English and mathematics at the end of KS2.
KS2 – KS4	7	% of young people with (sensory) impairment progressing by three or more levels (i.e. making expected progress) in English from the end of KS2 to the end of KS4.
	8	% of young people with (sensory) impairment progressing by three or more levels (i.e. making expected progress) in mathematics from the end of KS2 to the end of KS4.
KS4	9	% of young people with (sensory) impairment achieving 5 or more A* - G GCSEs (or equivalent), including English and mathematics, by the end of KS4.
	10	% of young people with (sensory) impairment achieving 5 or more A* - C GCSEs (or equivalent), including English and mathematics, by the end of KS4.
	11	% of young people with (sensory) impairment achieving 5 or more A* - C GCSEs (or equivalent), in any subjects, by the end of KS4.
	12	% of young people with (sensory) impairment with planned education or employment paths in place by the end of KS4.
All KS Exclusions	13	% of children and young people with (sensory) impairment who had at least one fixed term exclusion from school during the last academic year.
	14	% of children and young people with (sensory) impairment who were permanently excluded from school during the last academic year.