

Appendix 4: Comparison tables

1. This appendix applies only to those providers who are completing version A of HESES18.
2. This appendix describes the content of the comparison tables on the 'Comparison 1' (Tables A to E), 'Comparison 2' (Tables F to I) and 'Comparison 3' (Tables J to L) worksheets of the HESES18 workbook, and lists the criteria that determine cell highlighting in these tables.
3. A cell will be highlighted when it contains a value that has passed a pre-determined threshold set by the OfS. If the cause of cell highlighting cannot be identified, providers should email us for guidance at heses@officeforstudents.org.uk.
4. The highlighting built into the comparison tables is intended to help providers check data prior to submission by identifying values that are unusual or unexpected. As well as querying any values identified by the comparison tables, we may also query other significant changes or inconsistencies.
5. The results from the comparison tables are summarised on the 'Information' worksheet. Where a submitted workbook has a value highlighted in a comparison table, providers must explain why the associated data is credible. Such explanations are part of the submission process and should be emailed to dataverification@officeforstudents.org.uk by noon on the date of the submission deadline to inform the subsequent data verification process.
6. As we release updates to the workbook during the submission period, additional highlighting may appear. Please ensure that you review your HESES18 return after each update. See Appendix 1 for information regarding updates to the workbook.
7. Once the submission deadline has passed, the results from the comparison tables and any explanations given by the provider will be used by OfS staff to assess whether the data is reasonable. Providers may be asked to provide additional information, or to correct data, in response to this assessment during the data verification period. Part 1 of the HESES18 guidance provides more information on the data verification process.
8. The HESES18 workbook also includes a series of validation checks and credibility checks which help to ensure that incorrect data is not submitted. The validation checks are described in Appendix 2 and the credibility checks are described in Appendix 3.

Data sources

9. The comparison tables summarise data from several sources:
 - a. **2016-17 HESA:** This data is available in the latest HESES16 comparison workbook 'HES16_HXXXXXXXXX.xlsx', where XXXXXXXXX is the UK Provider Reference Number (UKPRN) for your provider.
 - b. **HESES17:** This data is taken from the HESES17 workbook submitted at the start of the 2017-18 academic year.

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- c. **2017-18 HESA:** This is 2017-18 data processed by the 2017-18 HESA Student data checking tool, where available; if the data is not available, this column will be greyed out and no comparisons will be made.
- d. **HESES18:** This data is taken from the relevant tables of the HESES18 workbook.

Cell highlighting

- 10. Each comparison table description in this appendix includes a table which provides information on cell highlighting. For each comparison, this table describes: the data compared; the criteria for highlighting; and the columns that are highlighted when the criteria are met.
- 11. The colour of the cell in the third column reflects the colour of the highlighting in the comparison table. Yellow highlighting indicates a substantial change between HESES17 and HESES18, and orange highlighting indicates a substantial change between 2017-18 HESA and HESES18 (if 2017-18 HESA data is available). Where there are substantial changes for both comparisons, the cell will be highlighted orange. Highlighting may also appear as a result of comparisons with data from other sources.

Table A: Total countable years of instance in 2016-17, 2017-18 and 2018-19

- 12. This table summarises the following information from Tables 1, 2 and 3:
 - a. Total countable years of instance, from Columns 1 and 2.
 - b. Total estimated completed years of instance, from Column 4.
 - c. Total estimated FTE, from Column 4a (Column 4a = Column 4 for Table 1, and Column 4a = 0.5 x Column 4 for Table 2).
- 13. Data is summarised for: 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.
- 14. Percentage changes are shown between:
 - a. 2016-17 HESA and 2017-18 HESA.
 - b. HESES17 and HESES18.
 - c. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change of more than 10% and values differ by more than 100	Percentage change between HESES17 and HESES18
	Change of more than 50% and values differ by more than 20	Percentage change between HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change of more than 10% and values differ by more than 100	Percentage change between 2017-18 HESA and HESES18

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Data compared	Criteria	Columns highlighted
	Change of more than 50% and values differ by more than 20	Percentage change between 2017-18 HESA and HESES18

Table B: Total countable years of instance split by fundability status in 2016-17, 2017-18 and 2018-19

15. This table splits the years of instance and FTEs in Table A by fundability status (Fundable; Non-fundable; Island and overseas).

16. Data is summarised for: 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.

17. The table shows the proportion (as a percentage) of the total which is contributed by each fundability status, and the change in proportion (i.e. the percentage point difference) between:

- a. HESES17 and 2017-18 HESA.
- b. HESES17 and HESES18.
- c. 2017-18 HESA and HESES18.

18. The 'Health transfer' table below the main table summarises data for three non-fundable cohorts on pre-registration nursing, midwifery and allied health profession courses in 2017-18. We may use this data to estimate the shift from non-fundable to fundable that we would expect to see between 2017-18 and 2018-19 as a result of the transfer of responsibility for funding these courses.

19. The three non-fundable cohorts are:

- UG Starters in 2016-17 on courses other than those in dental hygiene and dental therapy;
- PGT Starters in 2017-18; and
- Starters in 2017-18 on courses in dental hygiene and dental therapy (DHDT).

For these cohorts, the table summarises the following information from Tables 7a and 7c of HESES17 and the HESES17 comparison (2017-18 HESA):

- a. Total countable years of instance, from Columns 1 and 2.
- b. Total estimated completed years of instance, from Column 4.
- c. Total estimated FTE, from Column 4a (Column 4a = Column 4 for Table 7a).

Data compared	Criteria	Columns highlighted
2017-18 HESA vs HESES17	Change in proportion of more than 10 percentage points and values differ by more than 100	Change in proportion between HESES17 and 2017-18 HESA

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Data compared	Criteria	Columns highlighted
(excluding 'Health transfer' table)	2017-18 HESA = 0 and HESES17 > 5, or vice versa	HESES17 and 2017-18 HESA
HESES18 vs HESES17	Change in proportion of more than 4 percentage points and values differ by more than 5	Change in proportion between HESES17 and HESES18
	HESES18 = 0 and HESES17 > 5, or vice versa	HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change in proportion of more than 4 percentage points and values differ by more than 5	Change in proportion between 2017-18 HESA and HESES18
	HESES18 = 0 and 2017-18 HESA > 5, or vice versa	2017-18 HESA and HESES18

Table C: Fundable FTEs split by mode in 2016-17, 2017-18 and 2018-19

20. This table splits the fundable FTEs by mode (Full-time; Sandwich year out; Part-time).

21. Data is summarised for: 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.

22. Percentage changes are shown between:

- a. 2016-17 HESA and 2017-18 HESA.
- b. HESES17 and HESES18.
- c. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Full-time: Change of more than 10% and values differ by more than 100	Percentage change between HESES17 and HESES18
	Sandwich year out and part-time: Change of more than 20% and values differ by more than 100	Percentage change between HESES17 and HESES18
	All modes: Change of more than 50% and values differ by more than 20	Percentage change between HESES17 and HESES18
	All modes: HESES18 = 0 and HESES17 > 5, or vice versa	HESES17 and HESES18

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Data compared	Criteria	Columns highlighted
HESES18 vs 2017-18 HESA	Full-time: Change of more than 10% and values differ by more than 100	Percentage change between 2017-18 HESA and HESES18
	Sandwich year out and part-time: Change of more than 20% and values differ by more than 100	Percentage change between 2017-18 HESA and HESES18
	All modes: Change of more than 50% and values differ by more than 20	Percentage change between 2017-18 HESA and HESES18
	All modes: HESES18 = 0 and 2017-18 HESA > 5 , or vice versa	2017-18 HESA and HESES18

Table D: Fundable FTEs split by level in 2016-17, 2017-18 and 2018-19

23. This table splits the fundable FTEs by level (UG; PGT (UG fee); PGT (Masters' loan); PGT (Other)).

24. Data is summarised for: 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.

25. Percentage changes are shown between:

- a. 2016-17 HESA and 2017-18 HESA.
- b. HESES17 and HESES18.
- c. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change of more than 10% and values differ by more than 100	Percentage change between HESES17 and HESES18
	Change of more than 50% and values differ by more than 20	Percentage change between HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change of more than 10% and values differ by more than 100	Percentage change between 2017-18 HESA and HESES18
	Change of more than 50% and values differ by more than 20	Percentage change between 2017-18 HESA and HESES18

Table E: Fundable FTEs split by price group in 2016-17, 2017-18 and 2018-19

26. This table splits the fundable FTEs by price group (A; B; C1; C2; D).

27. Data is summarised for: 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.

28. The table shows the proportion (as a percentage) of the total FTE which is contributed by each price group, and the change in proportion (i.e. the percentage point difference) between:

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- a. HESES17 and HESES18.
- b. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change in proportion of more than 10 percentage points and values differ by more than 5	Change in proportion between HESES17 and HESES18
	Change in proportion of more than 1 percentage point and values differ by more than 250	Change in proportion between HESES17 and HESES18
	HESES18 = 0 and HESES17 > 5 , or vice versa	HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change in proportion of more than 10 percentage points and values differ by more than 5	Change in proportion between 2017-18 HESA and HESES18
	Change in proportion of more than 1 percentage point and values differ by more than 250	Change in proportion between 2017-18 HESA and HESES18
	HESES18 = 0 and 2017-18 HESA > 5 , or vice versa	2017-18 HESA and HESES18

Table F: Percentage of fundable non-completions

29. The data in this table is sourced from 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.
30. The table summarises the following information from Tables 1 and 3, split by mode (Full-time; Part-time) and level (UG; PGT, i.e. the sum of PGT (UG fee), PGT (Masters' loan) and PGT (Other)):
- a. Countable years of instance, from Columns 1 and 2.
 - b. Forecast of years of instance not completed, from Column 3.
31. The table shows the percentage of non-completions for each source of data, and the difference in percentage of non-completions between:
- a. 2016-17 HESA and HESES18.
 - b. HESES17 and HESES18.
 - c. 2017-18 HESA and HESES18.
32. For 2016-17 HESA and 2017-18 HESA, the number of students assigned a FUNDCOMP value of 3 in the HESES16 comparison and the HESES17 comparison are displayed. This shows the number of students who have an unknown completion status.

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Data compared	Criteria	Columns highlighted
HESES18 vs 2016-17 HESA	Change in percentage of non-completions of more than 3 percentage points and HESES18 Columns 1+2 \geq 100	Percentage point difference between 2016-17 HESA and HESES18
HESES18 vs HESES17	Change in percentage of non-completions of more than 3 percentage points and HESES18 Columns 1+2 \geq 100	Percentage point difference between HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change in percentage of non-completions of more than 3 percentage points and HESES18 Columns 1+2 \geq 100	Percentage point difference between 2017-18 HESA and HESES18

Table G: Proportion of fundable FTEs recorded as long

33. The data in this table is sourced from HESES17, 2017-18 HESA and HESES18.

34. The table summarises the following information from Tables 1 and 3, split by price group (A; B; C1; C2; D), mode (Full-time; Part-time) and level (UG; PGT, i.e. the sum of PGT (UG fee), PGT (Masters' loan) and PGT (Other)):

- a. Total fundable FTE, from Column 4 of Table 1 or Column 4a of Table 3.
- b. Fundable FTE for long years of instance, from Column 4 of Table 1 or Column 4a of Table 3.

35. The table shows the proportion (as a percentage) of the total FTE which is contributed by long years of instance, and the change in proportion (i.e. the percentage point difference) between:

- a. HESES17 and HESES18.
- b. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change in proportion of more than 5 percentage points and long FTEs differ by more than 10	Percentage point difference between HESES17 and HESES18
	HESES18 long FTEs = 0 and HESES17 long FTEs > 5 , or vice versa	HESES17 long FTEs and HESES18 long FTEs
HESES18 vs 2017-18 HESA	Change in proportion of more than 5 percentage points and long FTEs differ by more than 10	Percentage point difference between 2017-18 HESA and HESES18
	HESES18 long FTEs = 0 and 2017-18 HESA long FTEs > 5 , or vice versa	2017-18 HESA long FTEs and HESES18 long FTEs

Table H: Home and EU undergraduate years abroad

36. The data in this table is sourced from 2016-17 HESA, HESES17, 2017-18 HESA and HESES18.

37. The table summarises the following information from Table 4, split by type of year abroad (Outgoing Erasmus+ year abroad; Outgoing year abroad outside the Erasmus+ programme), fundability status (Fundable; Non-fundable) and mode (Full-time; Sandwich year out):

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- a. Countable years of instance, from Columns 1 and 2.

38. Percentage changes are shown between:

- a. 2016-17 HESA and 2017-18 HESA.
- b. HESES17 and HESES18.
- c. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change of more than 20% and values differ by more than 15	Percentage change between HESES17 and HESES18
	HESES18 = 0 and HESES17 > 5 , or vice versa	HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change of more than 20% and values differ by more than 15	Percentage change between 2017-18 HESA and HESES18
	HESES18 = 0 and 2017-18 HESA > 5 , or vice versa	2017-18 HESA and HESES18

Table I: Proportion of new entrants

39. The data in this table is sourced from HESES16, HESES17, 2017-18 HESA and HESES18.

40. The table summarises the following information from Table 5, split by mode (Full-time and sandwich year out; Part-time), level (UG; PGT, i.e. the sum of PGT (UG fee), PGT (Masters' loan) and PGT (Other)) and domicile (Home and EU, i.e. fundable and non-fundable; Island and overseas):

- a. Countable years of instance, from Section A, Columns 1 and 2 (Column 1 for HESES16).
- b. New entrants, from Section B (Column 2 for HESES16).

41. The table shows the proportion (as a percentage) of the years of instance which is contributed by new entrants.

42. Percentage differences between counts of years of instance and between counts of new entrants are shown for:

- a. HESES17 and HESES18.
- b. 2017-18 HESA and HESES18.

43. The table also shows changes in the proportion of new entrants (i.e. the percentage point difference) between these pairs of data sources.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change in proportion of more than 10 percentage points and new entrants differ by more than 20	Percentage point difference between HESES17 and HESES18 proportions

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Data compared	Criteria	Columns highlighted
	Change in new entrants of more than 10% and new entrants differ by more than 20	Percentage difference between HESES17 and HESES18 new entrants
	HESES18 new entrants = 0 and HESES17 new entrants > 5 , or vice versa	HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change in proportion of more than 10 percentage points and new entrants differ by more than 20	Percentage point difference between 2017-18 HESA and HESES18 proportions
	Change in new entrants of more than 10% and new entrants differ by more than 20	Percentage difference between 2017-18 HESA and HESES18 new entrants
	HESES18 new entrants = 0 and 2017-18 HESA new entrants > 5 , or vice versa	2017-18 HESA and HESES18

Table J: Years countable on apprenticeships

44. The data in this table is sourced from HESES16, HESES17 and HESES18.

45. The table summarises the following information from Table 5, split by level (UG; PGT (UG fee); PGT (Masters' loan); PGT (Other)):

- a. Full-time and sandwich year out countable years of instance on apprenticeships (all domiciles and fundability statuses), from Section A, Columns 1 and 2 (Section C for HESES17, Column 3 for HESES16).
- b. Part-time countable years of instance on apprenticeships (all domiciles and fundability statuses), from Section A, Columns 1 and 2 (Section C for HESES17, Column 3 for HESES16).

46. Percentage differences are shown between HESES17 and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change of more than 15% and values differ by more than 10	Percentage difference between HESES17 and HESES18
	HESES18 = 0 and HESES17 > 5 , or vice versa	HESES17 and HESES18

Table K: Students taught under subcontractual arrangements

47. The data in this table is sourced from HESES16, HESES17, 2017-18 HESA and HESES18.

48. The table shows the countable years of instance from Section A (Column 1 for HESES16) of Table 6, split by mode (Full-time and sandwich year out; Part-time) and level (UG; PGT, i.e. the sum of PGT (UG fee), PGT (Masters' loan) and PGT (Other)).

49. Percentage differences are shown between:

- a. HESES17 and HESES18.

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b. 2017-18 HESA and HESES18.

Data compared	Criteria	Columns highlighted
HESES18 vs HESES17	Change of more than 10% and HESES18 headcount more than 100	Percentage difference between HESES17 and HESES18
	HESES18 = 0 and HESES17 > 0 , or vice versa	HESES17 and HESES18
HESES18 vs 2017-18 HESA	Change of more than 10% and HESES18 headcount more than 100	Percentage difference between 2017-18 HESA and HESES18
	HESES18 = 0 and 2017-18 HESA > 0 , or vice versa	2017-18 HESA and HESES18

Table L: FTEs on pre-registration nursing, midwifery and allied health profession courses

50. The data in this table is sourced from 2016-17 HESA, 2017-18 HESA and HESES18.

51. The table summarises the FTEs from Tables 7a, 7b and 7c (HESES16 Table 7 for 2016-17 HESA data) for each profession and level (UG; PGT).

52. For the 2016-17 and 2017-18 HESA data, PGT is the sum of the PGT (Masters' loan) and PGT (Other) FTEs. For HESES18, it is the sum of the PGT (UG fee) FTEs.

53. For each profession and level, the table shows the sum of the fundable and non-fundable FTEs for:

- a. Full-time and sandwich year out Starters in 2016-17
- b. Part-time Starters in 2016-17
- c. Full-time and sandwich year out Starters in 2017-18
- d. Part-time Starters in 2017-18
- e. Full-time and sandwich year out Starters in 2018-19
- f. Part-time Starters in 2018-19

54. Percentage differences are shown between:

- a. 2017-18 HESA Starters in 2016-17 and HESES18 Starters in 2016-17
- b. 2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2017-18
- c. 2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2018-19

Data compared	Criteria	Columns highlighted
HESES18 Starters in 2016-17 vs	Increase of more than 10% and values differ by more than 20	Percentage difference between 2017-18 HESA Starters in 2016-17 and HESES18 Starters in 2016-17

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Data compared	Criteria	Columns highlighted
2017-18 HESA Starters in 2016-17	Decrease of more than 20% and values differ by more than 20	Percentage difference between 2017-18 HESA Starters in 2016-17 and HESES18 Starters in 2016-17
	HESES18 = 0 and 2017-18 HESA > 5 , or vice versa	2017-18 HESA Starters in 2016-17 and HESES18 Starters in 2016-17
HESES18 Starters in 2017-18 vs 2017-18 HESA Starters in 2017-18	Increase of more than 10% and values differ by more than 20	Percentage difference between 2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2017-18
	Decrease of more than 20% and values differ by more than 20	Percentage difference between 2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2017-18
	HESES18 = 0 and 2017-18 HESA > 5 , or vice versa	2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2017-18
HESES18 Starters in 2018-19 vs 2017-18 HESA Starters in 2017-18	Change of more than 20% and values differ by more than 20	Percentage difference between 2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2018-19
	HESES18 = 0 and 2017-18 HESA > 5 , or vice versa	2017-18 HESA Starters in 2017-18 and HESES18 Starters in 2018-19