Ratio definitions

Version 1.0 Produced 2023-03-03

on 1.0 Produced	2023-03-03									
Section	Ratio ID	Ratio name	Formula	No of DP	Unit	Numerator description	Numerator	Denominator description	Denominator	Is it Key?
Key Ratios	'	'	'			'	'	'	'	1
Linking property to business	042C01S03R09	HEP income per metre ² of net internal area	A/(B-C)	0	£	Finance.Income.HESA supplied total income	F_FIIT	SpaceMeasurement.NetInter nalArea.Total NIA minus SpaceMeasurement.NetInter nalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	Υ
Analysis of maintenance	042C01S06R18	Maintenance costs per metre ² of gross internal area	A/(B-C)	2	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	Y
Energy costs, consumption and emissions	042C01S07R16	Energy costs per metre ² of gross internal area	A/(B-C)	2	£	Finance.EnergyCosts.Total energy costs	F_FECTOT	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	Y
Water costs and consumption	042C01S08R05	Water consumption per student and staff FTE	A/(B+(CD))	2		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE. Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Y
Water costs and consumption	042C01S08R08	Water consumption per HE student and staff FTE	A/(B+C+(D- E))	2		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE. Residential staff FTE)	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))	Υ
Waste	042C01S09R04	Waste mass per student and staff FTE	A/(B+(CD))	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE. Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Y
Waste	042C01S09R06	Waste mass per HE student and staff FTE	A/(B+C+(D- E))	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE.ResidentStaffFTE.Residential staff FTE)	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))	Υ

Space allocation	042C13S02R12	Gross internal area in metre ² per student and staff full-time equivalent (FTE)	A/(B+(CD))	1	SpaceMeasurement.GrossInterna IArea.Non-residential GIA	_	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE. Residential staff FTE)	(F_SFFTET - F_SFRFTET))	Y
							Residential staff FTE)		

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Space allocation	042C13S02R13	Gross internal area in metre ² per HE student and staff full-time equivalent (FTE)	A/(B+C+(D- E))	1	m²	SpaceMeasurement.GrossInterna IArea.Non-residential GIA	F_SMGIANR	StudentStaffCounts. Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts. Student FTE.HESA supplied research student FTE plus (StudentStaffCounts. StaffFT E. Total staff FTE minus StudentStaffCounts. StaffFTE . Residential staff FTE)	F_STFTERE + (F_SFFTET -	Y
Condition and suitability	042C13S03R01	Building condition as percentage of gross internal area Condition A and B	A+B	1	%	BuildingsandFunctionality.ConditionAssessmentDefinition.Nonresidential Building Condition Assessment Condition A plus BuildingsandFunctionality.ConditionAssessmentDefinition.Nonresidential Building Condition Assessment Condition B	F_BNRADCB			Y
Condition and suitability	042C13S03R07	Proportion of space with functional suitability grades 1 and 2	A+B	1	%	BuildingsandFunctionality.FunctionalSuitability.Non-residential functional suitability grade 1 plus BuildingsandFunctionality.FunctionalSuitability.Non-residential functional suitability grade 2	F_BNRFSG1 + F_BNRFSG2			Υ
Condition and suitability	042C13S03R08	Cost to upgrade condition C and D to B as a proportion of total nonresidential income	(100*(A+B))/C	1	%	BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Nonresidential building Condition Assessment cost to upgrade Condition D to B plus BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Nonresidential Building Condition Assessment cost to upgrade Condition C to B	F_BNRAUDB + F_BNRAUCB	Finance.Income.HESA supplied non-residential income total	f_finrit	Υ
Linking property to business	042C13S05R01	Ratio of total Property costs to HEP income	A/B	3		Finance.PropertyCosts.Nonreside ntial property costs	F_FNRPCO	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Y
Linking property to business	042C13S05R17	Insurance replacement value as a percentage of Non-residential income	(100*A)/B	1	%	BuildingsandFunctionality.Insura nceReplacementValue.Nonreside ntial insurance replacement value	F_BNRIRV	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Υ
Utilisation ratios	042C13S06R01	Total non-residential net internal area per student FTE	A/(B+C+D)	1		SpaceMeasurement.NetInternalA rea.Non-residential NIA total	F_XUP_SMNIA NRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE		Υ
Total property costs	042C13S07R01	Total property costs per metre ² of net internal area	A/B	2	£	Finance.PropertyCosts.Nonreside ntial property costs	F_FNRPCO	SpaceMeasurement.NetInte r nalArea.Non-residential NIA total	F_XUP_SMNIANR T	Υ

Total property costs	042C13S07R03	Total property costs per student FTE	A/(B+C+D)	2	£	Finance.PropertyCosts.Nonreside ntial property costs	F_FNRPCO		F_STFTETE + F_STFTERE + F_STFTEFE	Y
Analysis of maintenance	042C13S09R15	Expenditure on major and minor capital works and recurrent repairs and maintenance as a percentage of insurance replacement value	(100*(A+B))/C	2	%		F_FNRCEX + F_FRMCOOE	BuildingsandFunctionality.In suranceReplacementValue. N on-residential insurance replacement value	F_BNRIRV	Υ
Energy costs, consumption and emissions	042C13S10R13	Scope 1 and 2 carbon emissions per HEP total non-residential income	A/(10*B)	2		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Nonresidential scope 1 and 2 carbon emissions total	F_E12CENRT	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Y
Energy costs, consumption and emissions	042C13S10R14	Scope 1 and 2 carbon emissions per student and staff full-time equivalent (FTE)	A/(1000*(B+(C-D)))	1		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE. Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Y
Energy costs, consumption and emissions	042C13S10R18		A/(1000*(B+C+(D- E)))	1		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFTE .Total staff FTE minus StudentStaffCounts.StaffFTE. Residential staff FTE)	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))	Υ
Linking property to business	042C14S04R05	HEP income per bedspace	(A+B)/C	2	£	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	SpaceMeasurement.Number ofBedSpaces.Residential number of bed spaces	F_SMRNBS	Y
Utilisation ratios	042C14S05R06	Total property costs per bedspace	A/B	2	£	Finance.PropertyCosts.Residentia property costs	F_FRPCO	SpaceMeasurement.Number ofBedSpaces.Residential number of bed spaces	F_SMRNBS	Υ
Total HEP									·	
Estate structure	e				ı					
Estate structure	042C01S01R04	Total non-residential net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Non-residential NIA total	F_XUP_SMNIA NRT	SpaceMeasurement.NetInter nalArea.Total NIA	F_XUP_SMNIAT	N
Estate structure	042C01S01R07	Ratio of net internal area commercial space to gross internal area commercial space	A/B	3		SpaceMeasurement.NetInternalA rea.Total NIA commercial space	F_XUP_SMNIA CT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Estate structure	042C01S01R08	Listed building coverage as percentage of gross internal area commercial space	(100*A)/B	1	%	BuildingsandFunctionality.ListedB uilding Coverage.Total listed building coverage	F_BLBCT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N

Estate structure Capital expendi Capital expenditure	042C01S01R09 ture and value 042C01S02R07	Ratio of net internal area to gross internal area Insurance replacement value per metre ² of gross	(A-B)/(C-D)	2	£	rea.Total NIA minus SpaceMeasurement.NetInternalA rea.Total NIA commercial space BuildingsandFunctionality.Insura nceReplacementValue.Total	F_XUP_SMNIA T - F_XUP_SMNIA CT F_BTIRV	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space SpaceMeasurement.GrossInt ernalArea.Total GIA	F_SMGIACT	N
and value		internal area commercial space				insurance replacement value		commercial space		
Linking propert	y to business									
Linking property to business	042C01S03R01	Ratio of total property costs to HEP income	A/B	3		Finance.PropertyCosts.Total property costs	F_FTPCO	Finance.Income.HESA supplied total income	F_FIIT	N
Linking property to business	042C01S03R02	Ratio of total property costs to HEP Expenditure	A/B	3		Finance.PropertyCosts.Total property costs	F_FTPCO	Finance.Expenditure.HESA supplied total expenditure	F_FEXPT	N
Linking	042C01S03R06	Total backlog affordability	A/(B+C+D+	2		Finance.Income.HESA supplied	F_FIIT	Buildingsandfunctionality.Co	F BNRAUDB+	N
property to business	04200303100	score	E)			total income		onditionAssessmentUpgradeC ost.Non-residential building condition assessment cost to upgrade condition D to B plus Buildingsandfunctionality.Co nditionAssessmentUpgradeC ost.Non-residential building condition assessment cost to upgrade condition C to B plus Buildingsandfunctionality.Co nditionAssessmentUpgradeC ost.Residential building condition assessment cost to upgrade condition D to B plus Buildingsandfunctionality.Co nditionAssessmentUpgradeC ost.Residential building condition assessment cost to upgrade condition assessment cost to upgrade condition C to B	F_BNRAUCB + F_BRAUDB + F_BRAUCB	
Linking property to business	042C01S03R08	Capital expenditure as % of HEP Income	(100*A)/B	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied total capital expenditure buildings	F_FCEXT	Finance.Income.HESA supplied total income	F_FIIT	N
Linking property to business	042C01S03R10	Total income per metre ² of gross internal area	A/(B-C)	2	£	Finance.Income.HESA supplied total income	F_FIIT	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Total property					l -	T.		I		
Total property costs	042C01S04R03	Total property costs per student FTE	A/(B+C+D)	0	£	Finance.PropertyCosts.Total property costs	F_FTPCO	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Total property costs	042C01S04R09	Total property costs per metre ² of net internal area	A/(B-C)	0	£	Finance.PropertyCosts.Total property costs	F_FTPCO	SpaceMeasurement.NetInter nalArea.Total NIA minus SpaceMeasurement.NetInter nalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	N

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Total property costs	042C01S04R10	Total property costs per metre ² of gross internal area	A/(B-C)	2	£	Finance.PropertyCosts.Total property costs	F_FTPCO	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Component rev	renue costs									
Component revenue costs	042C01S05R02	Operating costs per student FTE	(A+B+C+D+ E+F)/(G+H +1)	0	£	Finance.InsurancePremiumsandC ontributions.Total insurance premiums and contributions plus Finance.NetServiceChargeandMis cellaneousPFlandPPPCosts.Total net service charge and miscellaneous PFl and PPP costs plus Finance.EnergyCosts.Total energy costs plus Finance.WaterandSewerageCosts. Total water and sewerage costs plus Finance.WaterandSewerageCosts. Total water and sewerage costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.CleaningCosts.Total cleaning costs	F_FIPCOT + F_FNSCTM + F_FECTOT + F_FWSCT + F_FRMCT + F_FCCT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Component revenue costs	042C01S05R10	Operating costs per metre ² of net internal area	(A+B+C+D+ E+F)/(G-H)	0	£	Finance.InsurancePremiumsandC ontributions.Total insurance premiums and contributions plus Finance.NetServiceChargeandMis cellaneousPFlandPPPCosts.Total net service charge and miscellaneous PFl and PPP costs plus Finance.EnergyCosts.Total energy costs plus Finance.WaterandSewerageCosts. Total water and sewerage costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.Finan	F_FIPCOT + F_FNSCTM + F_FECTOT + F_FWSCT + F_FRMCT + F_FCCT	SpaceMeasurement.NetInter nalArea.Total NIA minus SpaceMeasurement.NetInter nalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	N
Component revenue costs	042C01S05R11	Cleaning costs per metre ² of net internal area	A/(B-C)	2	£	Finance. CleaningCosts. Total cleaning costs	F_FCCT	SpaceMeasurement.NetInter nalArea.Total NIA minus SpaceMeasurement.NetInter nalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	N
Component revenue costs	042C01S05R12	Total cleaning costs per metre ² of gross internal area	A/(B-C)	2	£	Finance.CleaningCosts.Total cleaning costs	F_FCCT	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Analysis of mai	ntenance									
Analysis of maintenance	042C01S06R08	Grounds maintenance costs per grounds area	A/B	0	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs grounds	F_FRMCGT	SpaceMeasurement.Ground sArea.Total grounds area	F_SMGAT	N
Analysis of maintenance	042C01S06R09	Playing fields maintenance costs per playing fields area	A/B	0	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs playing fields	F_FRMCPFT	SpaceMeasurement.PlyingFi eldsArea.Total playing fields area	F_SMPFAT	N
Analysis of maintenance	042C01S06R15	Maintenance costs per metre ² of gross internal area commercial space	A/B	2	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N

Analysis of maintenance	042C01S06R16	% of HEPs' income spent on repairs and maintenance	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	Finance.Income.HESA supplied total income	F_FIIT	N
Analysis of maintenance	042C01S06R17	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B)/C	1		Finance.CapitalExpenditureBuildi ngs.HESA supplied total capital expenditure buildings plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FCEXT + F_FRMCT	BuildingsandFunctionality.In suranceReplacementValue.T otal insurance replacement value	F_BTIRV	N
Energy costs, co	onsumption and e	missions								
Energy costs, consumption and emissions	042C01S07R02	Energy costs per 100 kWh consumption	(100*A)/B	2	£	Finance.EnergyCosts.Total energy costs	F_FECTOT	EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Total energy consumption	F_EECTOT	N
Energy costs, consumption and emissions	042C01S07R03	Electricity costs per 100 kWh consumption	(100*A)/(B +C+D)	2	£	Finance.EnergyCosts.Total energy costs electricity	F_FECELET	EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption grid electricity plus EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption electricity consumed from onsite CHP plus EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption.energy consumption.energy consumption onsite photovoltaic	F_EECELCHP +	N

Energy costs, consumption and emissions	042C01S07R04	Gas costs per 100 kWh consumption	(100*A)/(B +C+D+E)	2	£	Finance.EnergyCosts.Total energy costs gas	F_FECGAST	EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption compressed natural gas plus EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption liquefied natural gas plus EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption natural gas excluding that used as input for a CHP unit plus EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Energy consumption natural gas excluding that used as input for a CHP unit plus EnvironmentEnergyEmission sandWaste.EnergyConsumption.Energy consumption natural gas used as input for a CHP unit	F_EECCNGAS + F_EECLNGAS + F_EECNGSEX + F_EECNGCHP	N
Energy costs, consumption and emissions	042C01S07R05	Energy costs gas as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Total energy costs gas	F_FECGAST	Finance.EnergyCosts.Total energy costs	F_FECTOT	N
Energy costs, consumption and emissions	042C01S07R06	Energy costs electricity as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Total energy costs electricity	F_FECELET	Finance.EnergyCosts.Total energy costs	F_FECTOT	N
Energy costs, consumption and emissions	042C01S07R08	Energy consumption kWh per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Total energy consumption	F_EECTOT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus Student FTE plus Student FTE plus Student FTE FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N

Energy costs, consumption and emissions	042C01S07R11	Notional energy emissions (kg CO ₂ e) per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Total scope 1 and 2 carbon emissions	F_E12CET	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Energy costs, consumption and emissions	042C01S07R13	Energy costs per metre ² of gross internal area commercial space	A/B	2	£	Finance.EnergyCosts.Total energy costs	F_FECTOT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R14	Notional energy emissions (kg CO ₂ e) per metre ² of gross internal area commercial space	A/B	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Total scope 1 and 2 carbon emissions	F_E12CET	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R15	Energy consumption kWh per metre ² of gross internal area commercial space	A/B	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Total energy consumption	F_EECTOT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R17	Energy consumption kWh per metre ² of gross internal area	A/(B-C)	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Total energy consumption	F_EECTOT	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R18	Notional energy emissions (kg (CO ₂ e) per metre ² of gross internal area	A/(B-C)	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Total scope 1 and 2 carbon emissions	F_E12CET	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Water costs and	consumption									
Water costs and consumption	042C01S08R06	Water and sewerage costs per metre ² of gross internal area commercial space	A/B	2	£	Finance.WaterandSewerageCosts. Total water and sewerage costs	F_FWSCT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Water costs and consumption	042C01S08R07	Water consumption (metre ³) per metre ² of gross internal area commercial space	A/B	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Water costs and consumption	042C01S08R09	Water and sewerage costs per metre ² of gross internal area	A/(B-C)	2 ±	£	Finance.WaterandSewerageCosts. Total water and sewerage costs		SpaceMeasurement. GrossInt ernal Area. Total GIA minus SpaceMeasurement. GrossInt ernal Area. Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Water costs and consumption	042C01S08R10	Water consumption (metre ²) per metre ² of gross internal area	A/(B-C)	1		Environment Energy Emissions and Waste. Water Consumption. Total water consumption		SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Waste										
Waste	042C01S09R01	Waste mass (tonnes) per student FTE	A/(B+C+D)	3		Environment Energy Emissions and Waste. Waste Mass. Total waste mass		StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N

Waste	042C01S09R03	Recycled waste proportion	(100*A)/B	1	%	EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass recycled	F_EWMRECT	EnvironmentEnergyEmission sandWaste.WasteMass.Total waste mass	F_EWMT	N
Waste	042C01S09R05	Waste mass (tonnes) per metre ² gross internal area commercial space	A/B	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIACT	N
Waste	042C01S09R07	Waste mass (tonnes) per metre ² gross internal area	A/(B-C)	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	SpaceMeasurement.GrossInt ernalArea.Total GIA minus SpaceMeasurement.GrossInt ernalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Property manag	gement costs	·								
Property Management costs	042C01S10R02	External Property Management costs as percentage of Total Property Management costs	(100*A)/(B +C)	1	%	Finance.ExternallyProvidedProper tyManagementCosts.Total externally-provided property management costs	F_FEPPMCT	Finance.InternallyIncurredPr opertyManagementCosts.To tal Internally-incurred property management costs plus Finance.ExternallyProvidedPropertyManagementCosts.T otal Externally-provided property management costs	F_FIIPMCT + F_FEPPMCT	N
Total non-resid	ential	<u>'</u>			'				<u>'</u>	
Estate structure	•									
Estate structure	042C13S01R03	Ratio of net internal area to gross internal area	A/B	3		SpaceMeasurement.NetInternalA rea.Non-residential NIA total	F_XUP_SMNIA NRT	Space Measurement. Gross Internal Area. Non-residential GIA	F_SMGIANR	N
Estate structure	042C13S01R07	Tenure as percentage of gross internal area freehold/long-leasehold	A+B	1	%	BuildingsandFunctionality.Tenure .Non-residential tenure freehold plus BuildingsandFunctionality.Tenure .Non-residential tenure long leasehold	F_BNRTF+ F_BNRTLL			N
Estate structure	042C13S01R08	Construction date as percentage of gross internal area Pre-1940	A+B+C	1	%	BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1915-1939 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1840-1914 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date before 1840	F_BNRD1915 + F_BNRD1840 + F_BNRB1840			N
Estate structure	042C13S01R09	Construction date as percentage of gross internal area built since 1980	A+B	1	%	BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1980-1999 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date since 2000	F_BNRD1980 + F_BNRD2000			N
Estate structure	042C13S01R10	Proportion of teaching area centrally timetabled	А	1	%	BuildingsandFunctionality.Percen tageofNetInternalAreaUsedForTi meTabledTeaching.Teaching not offices percentage of all NIA used for time-tabled teaching	F_BNIATE			N
	042C13S01P11	Listed building coverage as	(100*A)/B	1	%	BuildingsandFunctionality.ListedB	F BNRLBC	SpaceMeasurement.GrossInt	+ E SMGIAND	N
Estate structure	0-5010301N11	percentage of gross	(100 A)/B		/3	uildingCoverage.Non-residential listed building coverage	, _DIANEDC	ernalArea.Non-residential	JWULINA	14
Estate structure		internal area			•	•	•	•	•	•
Estate structure Space allocation	n	internal area								
	042C13S02R01	Teaching net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Teaching NIA total	F_XUP_SMNIA TET	SpaceMeasurement.NetInte nalArea.Non-residential NIA total		N

Space allocation	042C13S02R03	Support net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Support NIA total	F_XUP_SMNIA ST	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R04	Other net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Non-residential NIA other	F_XUP_SMNIA NRO	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R05	Vacant net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Non-residential NIA vacant	F_XUP_SMNIA NRV	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R06	Office net internal area as percentage of total net internal area	(100*(A+B +C))/D	1	%	SpaceMeasurement.NetInternalA rea.Teaching offices NIA plus SpaceMeasurement.NetInternalA rea.Research offices NIA plus SpaceMeasurement.NetInternalA rea.Support offices NIA	F_XUP_SMNIA TEO + F_XUP_SMNIA REO + F_XUP_SMNIA SO	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R08	Specialist academic area as percentage of all academic net internal area		1	%	SpaceMeasurement.SpecialistAca demicArea.Total specialist academic area	F_XUP_SMSAA	SpaceMeasurement.NetInter nalArea.Research not offices NIA plus SpaceMeasurement.NetInter nalArea.Teaching not offices NIA	F_XUP_SMNIARE + F_XUP_SMNIATE	N
Space allocation	042C13S02R09	Specialist teaching net internal area as percentage of core teaching space	(100*A)/B	1	%	SpaceMeasurement.SpecialistAca demicArea.Teaching not offices specialist academic area	F_XUP_SMTES AA	SpaceMeasurement.NetInter nalArea.Teaching not offices NIA	F_XUP_SMNIATE	N
Space allocation	042C13S02R10	Specialist research net internal area as percentage of core research space	(100*A)/B	1	%	SpaceMeasurement.SpecialistAca demicArea.Research not offices specialist academic area	F_XUP_SMRES AA	SpaceMeasurement.NetInter nalArea.Research not offices NIA	F_XUP_SMNIARE	N
Space allocation	042C13S02R11	Learning centre net internal area as percentage of support net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Support NIA learning centre space	F_XUP_SMNIA LC	SpaceMeasurement.NetInter nalArea.Support NIA total	F_XUP_SMNIAST	N
Condition and su	uitability							•		
Condition and suitability	042C13S03R02	Building condition as percentage of gross internal area Condition D	А	1	%	BuildingsandFunctionality.Conditi onAssessmentDefinition.Nonresid ential building condition assessment condition D	F_BNRADCD			N
Condition and suitability	042C13S03R04	Cost to upgrade condition C and D to B as percentage of insurance replacement value	(100*(A+B))/C	1	%	BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Nonresidential building condition assessment cost to upgrade condition D to B plus BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Nonresidential building condition assessment cost to upgrade condition C to B	F_BNRAUDB + F_BNRAUCB	BuildingsandFunctionality.In suranceReplacementValue.N on-residential insurance replacement value	F_BNRIRV	N
Condition and suitability	042C13S03R06	Non residential backlog affordability score	A/(B+C)	1		Finance.Income.HESA supplied nonresidential income total	F_FINRIT	BuildingsandFunctionality. ConditionAssessmentUpgrad eCost.Non-residential building condition assessment cost to upgrade condition C to B plus BuildingsandFunctionality. ConditionAssessmentUpgrad eCost.Non-residential building condition assessment cost to upgrade condition D to B	F_BNRAUCB + F_BNRAUDB	N
Capital expendit	ure and value									
Capital expenditure and value		Insurance replacement value per metre ² of gross internal area	A/B	2	£	BuildingsandFunctionality.Insura nceReplacementValue.Nonresiden tial insurance replacement value	F_BNRIRV	Space Measurement. Gross Internal Area. Non-residential GIA	F_SMGIANR	N
Linking property	to business									

Linking property to business	042C13S05R02	Ratio of total property costs to HEP expenditure	A/B	3		Finance.PropertyCosts.Nonresiden tial property costs	F_FNRPCO	Finance.Expenditure.HESA supplied non-residential	F_FENREXP	N
								expenditure		
Linking property to business	042C13S05R03	HEP income per student FTE	A/(B+C+D)	2	£	Finance.Income.HESA supplied non-residential income total	F_FINRIT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Linking property to business	042C13S05R04	HEP income per metre ² of net internal area	A/B	2	£	Finance.Income.HESA supplied non-residential income total	F_FINRIT	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Linking property to business	042C13S05R05	Teaching HEP income per metre ² of net internal area	A/B	2	£	Finance.Income.HESA supplied teaching income	F_FITEI	SpaceMeasurement.NetInter nalArea.Teaching NIA total	F_XUP_SMNIATE T	N
Linking property to business	042C13S05R06	Research HEP income per metre ² of net internal area	A/B	2	£	Finance.Income.HESA supplied research income	F_FIREI	SpaceMeasurement.NetInter nalArea.Research NIA total	F_XUP_SMNIARE T	N
Linking property to business	042C13S05R07	Other HEP income per metre ² of net internal area	A/B	2	£	Finance.Income.HESA supplied other non-residential income	F_FINRIO	SpaceMeasurement.NetInter nalArea.Non-residential NIA other	F_XUP_SMNIANR O	N
Linking property to business	042C13S05R13	Non-residential income per metre ² of gross internal area	A/B	2	£	Finance.Income.HESA supplied non-residential income total	F_FINRIT	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Linking property to business	042C13S05R14	Teaching income per metre ² of gross internal area	A/B	2	£	Finance.Income.HESA supplied teaching income	F_FITEI	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Linking property to business	042C13S05R15	Research income per metre ² of gross internal area	A/B	2	£	Finance.Income.HESA supplied research income	F_FIREI	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Linking property to business	042C13S05R16	Other non-residential income per metre ² of gross internal area	A/B	2	£	Finance.Income.HESA supplied other non-residential income	F_FINRIO	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Linking property to business	042C13S05R18	Capital expenditure as % of HEP Income	(100*A)/B	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied nonresidential capital expenditure buildings	F_FNRCEX	Finance.Income.HESA supplied non-residential income total	F_FINRIT	N
Utilisation ratio	s					'				
Utilisation ratios	042C13S06R02	Academic space per student FTE	(A+B)/(C+ D +E)	1		plus	TET +	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus Student FTE plus Student FTE plus StudentStaffCounts.Student FTE.FE student FTE		N
Utilisation ratios	042C13S06R03	Core teaching space per taught student FTE	A/B	1		SpaceMeasurement.NetInternalA rea.Teaching not offices NIA	F_XUP_SMNIA TE	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE	F_STFTETE	N
Utilisation ratios	042C13S06R04	Academic office net internal area per academic staff FTE	(A+B)/(C)	1		rea.Teaching offices NIA plus	F_XUP_SMNIA TEO + F_XUP_SMNIA REO	StudentStaffCounts.StaffFTE. Total teaching and research staff FTE	F_SFTERET	N
Utilisation ratios	042C13S06R05	Support office net internal area per support office staff FTE	A/B	1		SpaceMeasurement.NetInternalA rea.Support offices NIA	F_XUP_SMNIA SO	StudentStaffCounts.StaffFTE. Support offices staff FTE	F_SSFTEOF	N
Utilisation ratios	042C13S06R06	Frequency rate teaching space	A	1	%	SpaceMeasurement.FrequencyRa te.Teaching not offices frequency rate percentage	F_SMTEFRP			N

Utilisation ratios	042C13S06R07	Occupancy rate teaching space	А	1	%	SpaceMeasurement.OccupancyR ate.Teaching not offices occupancy rate percentage	F_SMORTEP			N
Utilisation ratios	042C13S06R08	Utilisation rate teaching space	(A*B)/100 00	3			F_SMTEFRP * F_SMORTEP		10000	N
Utilisation ratios	042C13S06R09	Frequency rate coverage as percentage of core teaching net internal area	(100*A)/B	1	%	SpaceMeasurement.SpaceUtilisat ionSurveyAreaCovered.Teaching area covered by the Space Utilisation Survey	f_SMTESUS	SpaceMeasurement.NetInter nalArea.Teaching not offices NIA	f_XUP_SMNIATE	N
Utilisation ratios	042C13S06R11	Catering net internal area per student FTE	A/(B+C+D)	1		SpaceMeasurement.NetInternalA rea.Support NIA associated with catering	F_XUP_SMNI A CS	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student FTE.FE student	F_STFTETE + F_STFTERE + F_STFTEFE	N
Utilisation ratios	042C13S06R15	Learning centre net internal area per student FTE	A/(B+C+D)	1		SpaceMeasurement.NetInternalA rea.Support NIA learning centre space	F_XUP_SMNI A LC	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student	F_STFTETE + F_STFTERE + F_STFTEFE	N
Total property	costs		I	Į.			_			
Total property costs	042C13S07R10	Non-residential property costs per metre ² of gross internal area	A/B	2	£	Finance.PropertyCosts.Nonresident al property costs	i F_FNRPCO	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	I	N
Component rev	venue costs		Į.	Į.				1	'	
Component revenue costs	042C13S08R01	Non-residential operating costs per metre ² of net internal area	(A+B+C+D+ E+F)/G	2	£	Finance.InsurancePremiumsandC ontributions.Non-residential insurance premiums and contributions plus finance.NetServiceChargeandMis cellaneousPFlandPPPCosts.Nonresidential net service charge and miscellaneous PFl and PPP costs plus Finance.EnergyCosts.Nonresidential energy costs total plus Finance.WaterandSewerageCosts.Nonresidential water and sewerage costs total plus Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total plus Finance.CleaningCosts.Nonresidential repairs and maintenance costs total plus Finance.CleaningCosts.Nonresidential cleaning costs total	F_FNRCCT	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR	N

Component revenue costs	042C13S08R02	Non residential operating costs per student FTE	(A+B+C+D+ E+F)/(G+H +1)	2	f	Finance.InsurancePremiumsandC ontributions.Non-residential insurance premiums and contributions plus Finance.NetServiceChargeandMis cellaneousPFlandPPPCosts.Nonresidential net service charge and miscellaneous PFl and PPP costs plus Finance.Energy Costs.Nonresidential energy costs total plus Finance.WaterandSewerageCosts. Nonresidential water and sewerage costs total plus Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total plus Finance.CleaningCosts.Nonresidential al cleaning costs total	F_FNRIPCO + F_FNRNSCM + F_FNRECTOT + F_FNRWSCT + F_FNRRMCT + F_FNRCCT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student FTE.FE student	F_STFTETE + F_STFTERE + F_STFTEFE	N
Component revenue costs	042C13S08R10	Cleaning costs per metre ² of net internal area	A/B	2	£	Finance.CleaningCosts.Nonresidenti al cleaning costs total	F_FNRCCT	SpaceMeasurement.NetInter nalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Component revenue costs	042C13S08R11	Internal cleaning costs per metre ² of area cleaned	A/B	2	£	Finance.CleaningCosts.Nonresidenti al cleaning costs internal	F_FNRCCIN	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA cleaned	F_SMNRGIAC	N
Component revenue costs	042C13S08R14	Rates paid as percentage of total property costs	(100*A)/B	1	%	Finance.RatesPaid.Nonresidential rates paid	F_FNRRP	Finance.PropertyCosts.Nonresi dential property costs	F_FNRPCO	N
Component revenue costs	042C13S08R15	Net service charges as percentage of total property costs	(100*A)/B	1	%	Finance.NetServiceChargeandMis cellaneousPFIandPPPCosts.Nonresid ential net service charge and miscellaneous PFI and PPP costs	F_FNRNSCM	Finance.PropertyCosts.Nonresi dential property costs	F_FNRPCO	N
Component revenue costs	042C13S08R16	Maintenance costs as percentage of total property costs	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRRMCT	Finance.PropertyCosts.Nonresi dential property costs	F_FNRPCO	N
Component revenue costs	042C13S08R17	Non-residential cleaning costs per metre ² of gross internal area	A/B	2	£	Finance.CleaningCosts.Nonresidentia I cleaning costs total	F_FNRCCT	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Analysis of ma	intenance									
Analysis of maintenance	042C13S09R01	Maintenance costs per metre ² of gross internal area	A/B	2	£	Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRRMCT	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Analysis of maintenance	042C13S09R12	% of HEP's income spent on repairs and maintenance	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRRMCT	Finance.Income.HESA supplied nonresidential income total	F_FINRIT	N
Analysis of maintenance	042C13S09R14	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B)/C	1		Finance.CapitalExpenditureBuildi ngs.HESA supplied nonresidential capital expenditure buildings <i>plus</i> Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRCEX + F_FNRRMCT	BuildingsandFunctionality.In suranceReplacementValue.N onresidential insurance replacement value	F_BNRIRV	N
Energy costs, c	onsumption and e	emissions								
Energy costs, consumption and emissions	042C13S10R01	Non-residential energy costs per metre ² of gross internal area	A/B	2	£	Finance.EnergyCosts.Nonresidential energy costs total	F_FNRECTOT	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Energy costs, consumption and emissions	042C13S10R02	Average Energy costs per 100 kWh consumption	(100*A)/B	2	£	Finance.EnergyCosts.Nonresidential energy costs total	F_FNRECTOT	EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Non-residential energy consumption total	F_ENRECT	N
Energy costs, consumption and emissions	042C13S10R04	Energy costs electricity as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Nonresidential energy costs electricity	F_FNRECELE	Finance.EnergyCosts.Nonresid ential energy costs total	F_FNRECTOT	N
										-

		as percentage of total energy costs				energy costs oil <i>plus</i> Finance.EnergyCosts.Nonresidential energy costs coal (industrial) <i>plus</i> Finance.EnergyCosts.Nonresid ential energy costs steam and hot water <i>plus</i> Finance.EnergyCosts.Nonresidential energy costs other	F_NRECCOA + F_FNRECSHW + F_FNRECOTH	ential energy costs total		
Energy costs, consumption and emissions	042C13S10R06	Energy consumption kWh per metre ² of gross internal area	A/B	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Nonresid ential energy consumption total	F_ENRECT	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Energy costs, consumption and emissions	042C13S10R08	Energy consumption kWh per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Nonresid ential energy consumption total		StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Energy costs, consumption and emissions	042C13S10R10	Notional energy emissions (kg CO ₂ e) per metre ² of gross internal area	A/B	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Nonresidential scope 1 and 2 carbon emissions total	_	Space Measurement. Gross Internal Area. Non-residential GIA	F_SMGIANR	N
Energy costs, consumption and emissions	042C13S10R11	Notional energy emissions (kg CO ₂ e) per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Nonresidential scope 1 and 2 carbon emissions total		StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Water costs and	consumption									
Water costs and consumption	042C13S11R01	Water and sewerage costs per metre ² of gross internal area	A/B	2	£	Finance.WaterandSewerageCosts. Nonresidential water and sewerage costs total	F_FNRWSCT	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Water costs and consumption	042C13S11R02	Water and sewerage costs per metre ³ of consumption	A/B	2	£	Finance.WaterandSewerageCosts. Nonresidential water and sewerage costs total		EnvironmentEnergyEmission sandWaste.WaterConsumpti on.Non-residential water consumption	F_ENRWCON	N
Water costs and consumption	042C13S11R03	Water consumption metre ³ per metre ² of gross internal area	A/B	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Nonresid ential water consumption	F_ENRWCON	SpaceMeasurement.GrossInt ernalArea.Non-residential GIA	F_SMGIANR	N
Water costs and consumption	042C13S11R05	Water consumption metre ³ per student FTE	A/(B+C+D)	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Nonresid ential water consumption	F_ENRWCON	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Total residentia	ıl									
Estate structure										

Estate structure	042C14S01R04	Tenure as percentage of gross internal area, freehold/long-leasehold	A+B	1	%	BuildingsandFunctionality.Tenure .Residential tenure freehold <i>plus</i> BuildingsandFunctionality.Tenure .Residential tenure long leasehold	F_BRTF + F_BRTLL			N
Estate structure	042C14S01R05	Construction date as percentage of gross internal area Pre-1940	A+B+C	1	%	BuildingsandFunctionality.ConstructionDate.Residential construction date 1915-1939 plus BuildingsandFunctionality.ConstructionDate.Residential construction date 1840-1914 plus BuildingsandFunctionality.ConstructionDate.Residential construction date before 1840	F_BRD1915 + F_BRD1840 + F_BRB1840			N
Estate structure	042C14S01R06	Construction date as percentage of gross internal area built since 1980	A+B	1	%	BuildingsandFunctionality.Constr uctionDate.Residential construction date 1980-1999 plus BuildingsandFunctionality.Constr uctionDate.Residential construction date since 2000	F_BRD1980 + F_BRD2000			N
Estate structure	042C14S01R07	Listed building coverage as percentage of gross internal area	(100*A)/B	1	%	BuildingsandFunctionality.ListedB uildingCoverage.Residential listed building coverage	F_BRLBC	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Condition and	uitability		,						•	
Condition and suitability	042C14S02R01	Building condition as percentage of gross internal area Condition A and B	A+B	1	%	BuildingsandFunctionality.Conditi onAssessmentDefinition.Resident ial building condition assessment condition A plus BuildingsandFunctionality.Conditi onAssessmentDefinition.Resident ial building condition assessment condition B	F_BRADCA + F_BRADCB			N
Condition and suitability	042C14S02R02	Building condition as percentage of gross internal area Condition D	А	1	%	BuildingsandFunctionality.Conditi onAssessmentDefinition.Resident ial building condition assessment condition D	F_BRADCD			N
Condition and suitability	042C14S02R05	Functional suitability as percentage of gross internal area Grade 1 and 2	A+B	1	%	BuildingsandFunctionality.Functi onalSuitability.Residential functional suitability grade 1 plus BuildingsandFunctionality.Functi onalSuitability.Residential functional suitability grade 2	F_BRFSG1 + F_BRFSG2			N
Condition and suitability	042C14S02R06	Residential backlog affordability score	(A+B)/(C+ D	1		Finance.Income.HESA supplied residences income <i>plus</i> Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	BuildingsandFunctionality.C onditionAssessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition C to B plus BuildingsandFunctionality.C onditionAssessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition D to B	F_BRAUCB + F_BRAUDB	N
Linking propert	y to business									
Linking property to business	042C14S04R02	Ratio of total property costs to HEP Expenditure	A/(B+C)	3		Finance.PropertyCosts.Residentia I property costs	F_FRPCO	Finance.Expenditure.HESA supplied residences expenditure plus Finance.Expenditure.HESA supplied catering expenditure	F_FERESEXP + F_FECATEXP	N

Linking property to business	042C14S04R03	Ratio of residential HEP income to HEP Expenditure	(A+B)/(C+D)	3		Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	Finance.Expenditure.HESA supplied residences expenditure plus Finance.Expenditure.HESA supplied catering expenditure	F_FERESEXP + F_FECATEXP	N
Linking property to business	042C14S04R04	HEP income per metre ² of net internal area	(A+B)/C	2	£	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	SpaceMeasurement.NetInter nalArea.Residential NIA	F_XUP_SMNIAR	N
Linking property to business	042C14S04R08	Residential and catering income per metre ² of gross internal area	(A+B)/C	2	£	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Linking property to business	042C14S04R09	HEP expenditure per bedspace	(A+B)/C	2	£	Finance.Expenditure.HESA supplied residences expenditure <i>plus</i> Finance.Expenditure.HESA supplied catering expenditure	F_FERESEXP + F_FECATEXP	SpaceMeasurement.Number ofBedSpaces.Residential number of bed spaces	F_SMRNBS	N
Linking property to business	042C14S04R10	Capital expenditure as % of HEP Income	(100*(A+B))/(C+D)	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied residences capital expenditure buildings <i>plus</i> Finance.CapitalExpenditureBuildi ngs.HESA supplied catering capital expenditure buildings	F_FRESCEX + F_FCATCEX	Finance.Income.HESA supplied residences income <i>plus</i> Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	N
Utilisation ratio	os						•			
Utilisation ratios	042C14S05R02	Residential net internal area per bedspace	A/B	1		SpaceMeasurement.NetInternalA rea.Residential NIA	F_XUP_SMNI A R	SpaceMeasurement.Number ofBedSpaces.Residential number of bed spaces	F_SMRNBS	N
Utilisation ratios	042C14S05R03	Average provision of bedspaces per student FTE	A/(B+C+D)	2		SpaceMeasurement.NumberofBe dSpaces.Residential number of bed spaces	F_SMRNBS	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Utilisation ratios	042C14S05R04	Occupancy rate residential	A	1	%	SpaceMeasurement.OccupancyR ate.Residential occupancy rate percentage	F_SMORRP			N
Component rev	enue costs				ı		ļ		'	
Component revenue costs	042C14S06R07	Cleaning costs per metre ² of net internal area	A/B	2	£	Finance.CleaningCosts.Residential cleaning costs total	F_FRCCT	SpaceMeasurement.NetInter nalArea.Residential NIA	F_XUP_SMNIAR	N
Component revenue costs	042C14S06R08	Net service charges as percentage of total property costs	(100*A)/B	1	%	Finance.NetServiceChargeandMis cellaneousPFlandPPPCosts.Reside ntial net service charge and miscellaneous PFI and PPP costs	F_FRNSCM	Finance.PropertyCosts.Resid ential property costs	F_FRPCO	N
Component revenue costs	042C14S06R09	Maintenance costs as percentage of total property costs	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRRMCT	Finance.PropertyCosts.Resid ential property costs	F_FRPCO	N
Component revenue costs	042C14S06R10	Residential cleaning costs per metre ² of gross internal area	A/B	2	£	Finance.CleaningCosts.Residential cleaning costs total	F_FRCCT	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Analysis of mair	ntenance		'				'			
Analysis of maintenance	042C14S07R01	Maintenance costs per metre ² of gross internal area	A/B	2	£	Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRRMCT	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Analysis of maintenance	042C14S07R12	% of HEP's income spent on repairs and maintenance	(100*A)/(B +C)	1	%	Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRRMCT	Finance.Income.HESA supplied residences income <i>plus</i> Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	N

Analysis of maintenance	042C14S07R13	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B+C)/D	1		Finance. Capital Expenditure Buildings. HESA supplied residences capital expenditure buildings plus Finance. Capital Expenditure Buildings. HESA supplied catering capital expenditure buildings plus Finance. Repairs and Maintenance Costs. Residential repairs and maintenance costs total	F_FRESCEX + F_FCATCEX + F_FRRMCT	BuildingsandFunctionality.In suranceReplacementValue.R esidential insurance replacement value	F_BRIRV	N
Energy costs, co	onsumption and e	emissions								
Energy costs, consumption and emissions	042C14S08R01	Energy costs per metre ² of gross internal area	A/B	2	£	Finance.EnergyCosts.Residential energy costs total	F_FRECTOT	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Energy costs, consumption and emissions	042C14S08R02	Energy costs per 100 kWh consumption	(100*A)/B	2	£	Finance.EnergyCosts.Residential energy costs total	F_FRECTOT	EnvironmentEnergyEmission sandWaste.EnergyConsumpt ion.Residential energy consumption total	F_ERECTOT	N
Energy costs, consumption and emissions	042C14S08R03	Energy costs gas as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Residential energy costs gas	F_FRECGAS	Finance.EnergyCosts.Reside ntial energy costs total	F_FRECTOT	N
Energy costs, consumption and emissions	042C14S08R04	Energy costs electricity as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Residential energy costs electricity	F_FRECELE	Finance.EnergyCosts.Reside ntial energy costs total	F_FRECTOT	N
Energy costs, consumption and emissions	042C14S08R05	Energy consumption kWh per metre ² of gross internal area	A/B	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Resid ential energy consumption total	F_ERECTOT	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Energy costs, consumption and emissions	042C14S08R08	Notional energy emissions (kg CO ₂ e) per metre ² of gross internal area	A/B	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Residential scope 1 and 2 carbon emissions total	F_E12CERT	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Water costs an	d consumption		'		Į.					
Water costs and consumption	042C14S09R01	Water and sewerage costs per metre ² of gross internal area	A/B	2	£	Finance.WaterandSewerageCosts. Residential water and sewerage costs total	F_FRWSCT	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Water costs and consumption	042C14S09R03	Water consumption metre ³ per metre ² of gross internal area		1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Reside ntial water consumption	F_ERWCON	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
Total property	costs									
Total property costs	042C14S10R01	Residential property costs per metre ² of gross internal area	A/B	2	£	Finance.PropertyCosts.Residentia I property costs	F_FRPCO	SpaceMeasurement.GrossInt ernalArea.Residential GIA	F_SMGIAR	N
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