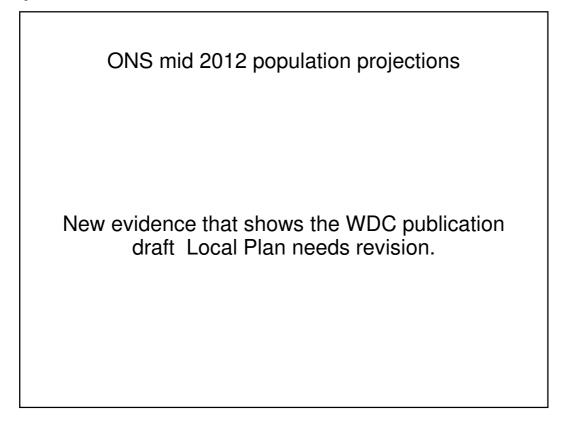
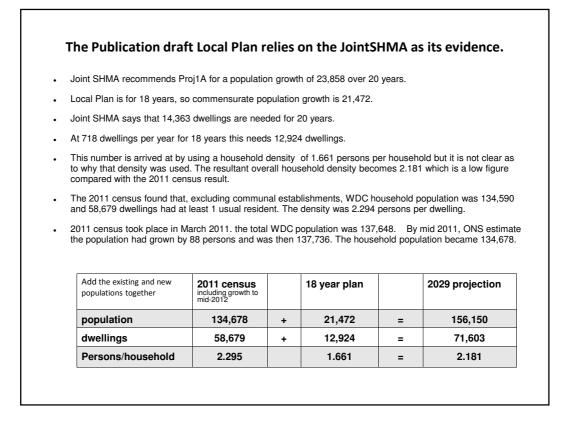
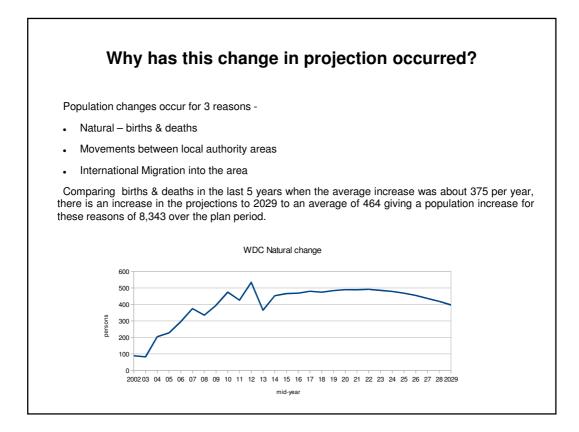
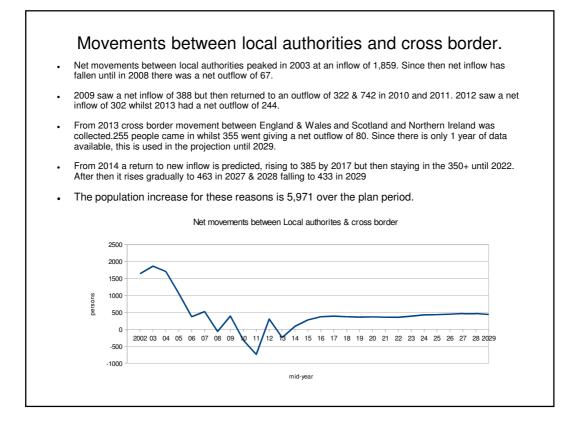
Where the local plan falls down on population and housing projections. Annexure:

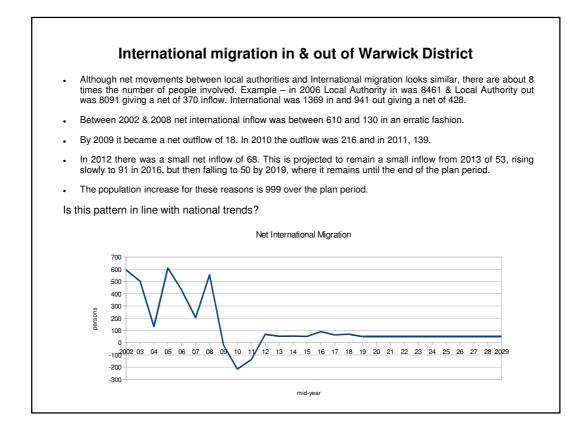


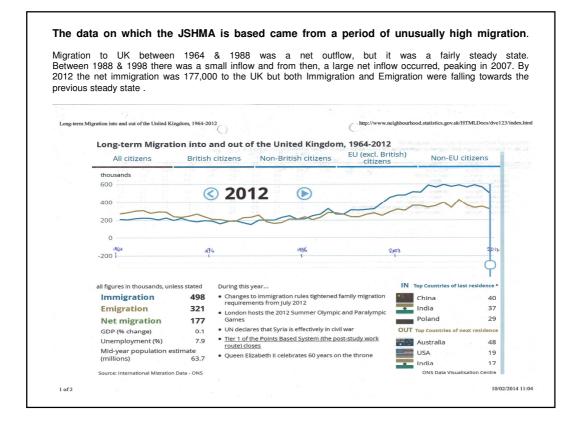


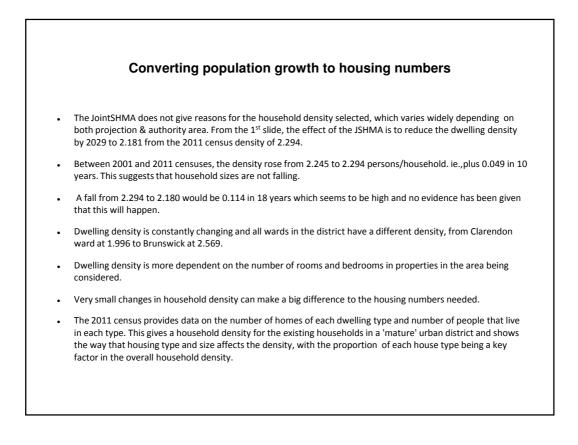
he	ONS mid 2012 popu		opulation projections were ns for an18 year plan give t	
	mid 2011 population	134,678	137,736 less 3,058 communal	
	mid 2029 population	149,991	153,049 less 3,058 communal	
	population growth	15,313	Due to 8343 natural, 5971 internal & cross border moves & 999 international migration	
his	n 21,472, a fall of 6,1 s is very significant s essary, the amount	59 persons or 2 since it change of infrastructu	previously thought, being 1 8.7% reduction. The number of dwelling re needed to support the ed to be taken for housing	s that will be e increase in











Warwick District	2011 census data				
	dwelling type	people	homes	dwelling type % of total	household density
a)	det house or bungalow	37356	14453	24.63%	2.585
b)	semi ditto	46088	18356	31.28%	2.511
c)	terrace ditto	29990	12660	21.58%	2.369
d)	flat purpose built	15488	9829	16.75%	1.576
e)	flat conv/shd inc bedsits	3874	2393	4.08%	1.619
f)	flat in commercial building	1273	648	1.10%	1.965
g)	caravan/mobilehome	205	108	0.18%	1.898
h)	shared dwelling	316	232	0.40%	1.362
	TOTALS	134590	58679	100.00%	2.294

So what housing density should be used to convert population to homes?

The housing densities considered so far are set out in this table, together with comments on their relevance.
The calculation is based on a 2029 population of 149,991 excluding communal establishments.

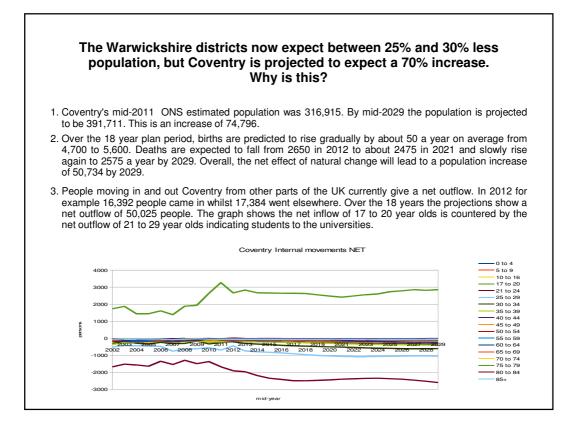
Using a density of	Source	Homes required	Comments
2.181	Joint SHMA over all p/h	10,100	no evidence given to substantiate 2.181 very low compared with 2011 census
2.209	Joint SHMA p/h for new homes. Reduces homes need proportionately to revised projection	9,217	no evidence given to substantiate 1.661 derived JHMA data for new dwellings
2.245	Assumes overall density returns to 2001 levels	8,132	No evidence known that shows this assumption to be likely
2.295	Assumes overall density stays at 2011 levels	6,677	This is the most recent measured density and if density changes it will vary up or down from this figure
2.325	Based on calculation of new housing size & types – see next slide	5,785	Any change that can be calculated is the most reliable indicator. The number shown depends on final housing mix agreed so may vary.

	Existing homes				Additional	Ihomes	5785	Local Plan	Target					
					Affordable	e homes 4	0%		Market hor	nes 60%				
								based on	existing de	ensity for ho	use type a	after absorpt	ion into urba	n fabric
	2011 Cen:	sus			2314 affo	rdable		3,471 ma	rket			Total by 2	2029	
dwelling type	People	homes	% type	home density	People	homes	home density	People	homes	home density	% type	People	homes	home density
det house bungalow	37356	14453	24.6	2.585	208	139	1.5	2345	907	2.585	26.14	39909	15499	2.575
semi ditto	46088	18356	31.3	2.511	0	0	0	2893	1152	2.511	33.19	48981	19508	2.511
terrace ditto	29990	12660	21.6	2.369	3540	787	4.5	1882	795	2.369	22.89	35413	14241	2.487
flat purpose built	15488	9829	16.8	1.576	3471	1388	2.5	972	617	1.576	17.77	19931	11834	1.684
flat conv shared bedsits	3874	2393	4.08	1.619	0	0	0	0	0	0	0	3874	2393	1.619
flat in commerci al bldng	1273	648	1.1	1.965	0	0	0	0	0	0	0	1273	648	1.965
caravan/ mobile home	205	108	0.18	1.898	0	0	0	0	0	0	0	205	102	1.898
shared dwelling	316	232	0.4	1.362	0	0	0	0	0	0	0	316	232	1.362
TOTALS	134590	58679		2.294	7220	2314	3.12	8092	3471	2.311		149902	64464	2.325
												People	homes	
									Total n	ew		15312	5785	

What is the situation in the rest of the Housing Market Area?

Comparison of the Joint SHMA with the ONS mid-2012 projection gives the following additional population for the whole HMA. The Joint SHMA identified a need for 67,536 homes. The revised projections now identify 68,152 homes based on the same JSHMA household densities.

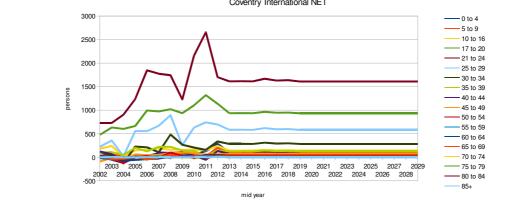
Population increases	18year JSHMA		ONS 18yr projection	using SHMA density	Population % change
	population	homes	population	homes	
North Warwickshire	4,074	2,970	3,038	2,218	-25.4%
Nuneaton & Bedworth	16,380	8,892	12,395	6,736	-24.3%
Rugby	23,706	11,844	14,360	7,176	-39.4%
Stratford-on-Avon	14,364	9,684	9,848	6,636	-31.4%
Warwick	21,474	12,924	15,313	9,217	-28.7%
Coventry	43,884	21,222	74,796	36,168	+70.4%
Total HMA	123,882	67,536	129,751	68,152	+4.7%



4. However, International migration into Coventry has 2 problems. Between the 2 universities there are currently about 13,500 international students, 5000 of whom are at Coventry University. On the graph, the top 3 lines show the age groups 21 to 24, 17 to 20 and 25 to 29. Students would normally be on 3 or more years study. It would be expected that when the international student level had been running for some time the numbers arriving should roughly equal the numbers leaving. But the ONS projections show that

a) in 2002, the net inflow was low. From 2003, the intake of international students began to grow so that by 2011 there was a net inflow of over 2,500. But the numbers departing don't come in until the end of courses and perhaps related experience jobs or research. So the ONS projections use the intake over the last 6 years, but the outflow only started to get up to the same level in 2011. The ONS statistically take their projections from the previous 6 years so as yet do not fully show the numbers that can be expected to depart. Hence the numbers of international migrants is showing as artificially high.

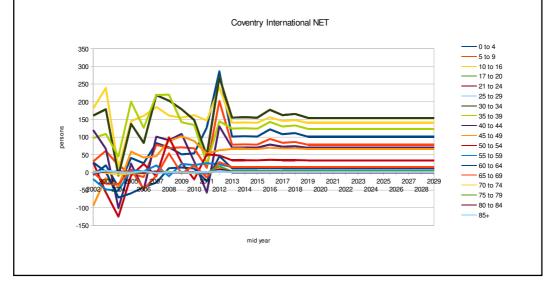
b) because of the way the numbers are calculated, the artificially high intake figure is projected over the whole of the remaining period of the plan. This results in a cumulative international inflow of 74,654. When the inflow and outflow balance, the continual addition to international migration will not occur and all the students will have accommodation already provided as turnover occurs.



Coventry International NET

5. A more realistic way to consider international migration is to take out this temporary student bulge. This can be done by adjusting the student age groups (17 to 34) in and outflows, to non student numbers related to the younger and older age groups to give non-student international migration figures. For this exercise, this has been done by taking the averages of the younger and proximal older age groups and increasing it by 25% to allow for the normal additional migration patterns occurring in the student age groups by non-students.

This is illustrated in the graph below and results a net international inflow of 22,422 amending the overall growth to 24,006.



Therefore, after allowing for these factors, Coventry also will see a reduced population projection of an additional 24,006 rather than 74,796. Over the whole HMA, the population increase is expected to be 78, 961 rather than 123,882, with at least a commensurate housing reduction.

This is a significant change and should be taken into account when preparing the District Council's Local Plan for the plan to be sound as otherwise there will be ramifications on other aspects of the plan including the use of greenfield sites when it is unnecessary to do so.

Population increases	18year JSHMA		ONS 18yr projection	using SHMA density	Population % change	
	population	homes	population	homes		
North Warwickshire	4,074	2,970	3,038	2,218	-25.4%	
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Warwick	21,474	12,924	15,313	9,217	-28.7%	
Coventry	43,884	21,222	24,006	11,608	-45.3%	
Total HMA	123,882	67,536	78,961	43592	-36.3%	

Conclusion Warwick's population projection is now 28.7% less than the consultation 1. draft local plan so is no longer up to date. All the other authorities in the Housing Market area are also showing 2. similar reductions in their population projections, including Coventry after allowing for the temporary student bulge. Overall it is 36.3% lower than the JSHMĂ. The method by which population is converted into the number of dwellings 3. required needs better determination by calculation, using the known housing type and size to be included in the plan. The lower housing target will require the list of sites to be included in the 4. plan to be reduced, brownfield sites being put first and only including greenfield where essential, as well as an immediate revision to the 5 year housing land supply calculation. 5. Dependent matters such as infrastructure needs and costs will then need to be matched to the new lower target.