SECTION 4

Hi. Today we're going to be looking at animals in urban environments and I'm going to be telling you about some research on how they're affected by these environments,

Now, in evolutionary terms, urban environments represent huge upheavals, the sorts of massive changes that usually happen over millions of years. And we used to think that only a few species could adapt to this new environment. One species which is well known as being highly adaptable is the crow and there've been various studies about how they manage to learn new skills. Another successful species is the pigeon because they're able to perch on ledges on the walls of city buildings just like they once perched on cliffs by the sea

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But in fact, we're now finding that these early immigrants were just the start of a more general movement of animals into cities, and of adaptation by these animals to city life, And one thing Q33 that researchers are finding especially interesting is the speed with which they're doing this we're not talking about gradual evolution here - these animals are changing fast.

Let me tell you about some of the studies that have been carried out in this area. So, in the University of Minnesota, a biologist called Emilie Snell-Rood and her colleagues looked at specimens of urbanised small mammals such as mice and gophers that had been collected in Minnesota, and that are now kept in museums there. And she looked at specimens that

had been collected over the last hundred years, which is a very short time in evolutionary terms. And she found that during that time these small mammals had experienced a jump in prain size when compared to rural mammals . Now, we can't be sure this means they're more ntelligent, but since the sizes of other parts of the body didn't change, it does suggest that something cognitive was going on. And

So, now we've had a look