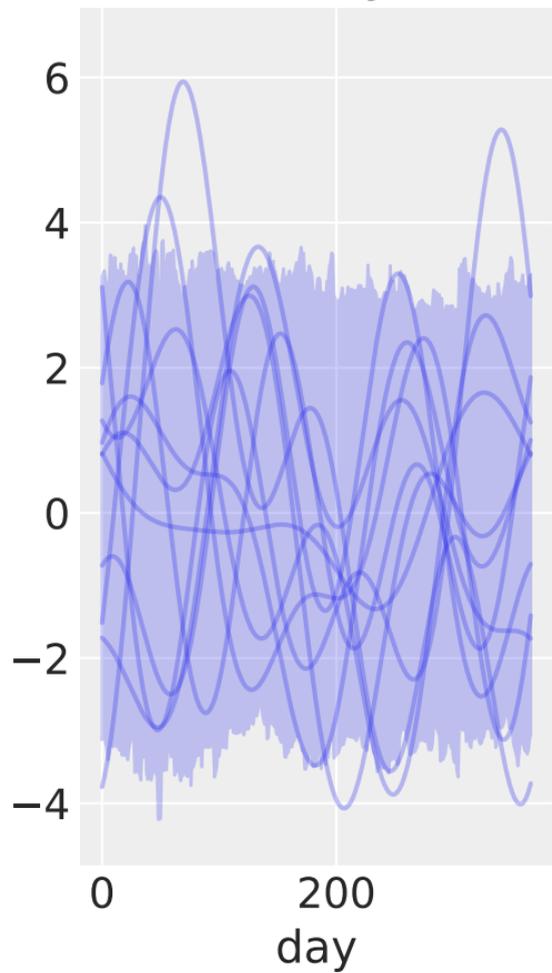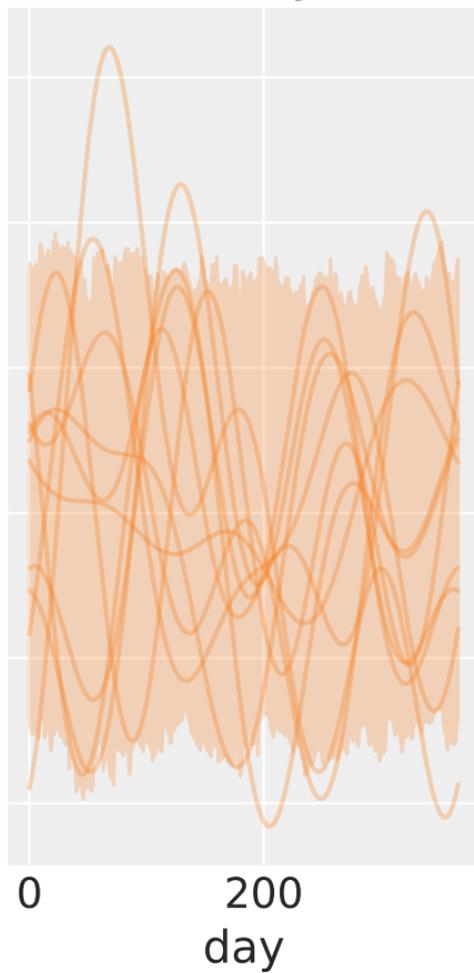hierarchy=A     hierarchy=B     hierarchy=C