To document the bilingual development of heritage children and address issues of incomplete acquisition, language attrition and maintenance, we have developed an innovative method for collecting naturalistic speech data via video conferencing. The use of Skype video call allows us to capture the interactions of American-born heritage Chinese children in the US and research assistants in Hong Kong, supplementing traditional home-bound recording normally conducted by home visits. The challenges that this method brings to language documentation and corpus construction will be discussed.