RUSSIAN IN BESERMAN ORAL DISCOURSE:
CODE-MIXING AND BORROWING

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Abstract
The paper is devoted to the influence which Russian as a dominant language exerts on Beserman dialect of Udmurt. Analysis is based on a corpus of dialogues recorded and transcribed in Shamardan (a Beserman village in Udmurtia, Russian Federation). It is shown that Russian influence in forms of code-mixing and borrowing can be seen at all language levels: phonetics, inflectional morphology, vocabulary, syntax, discourse. It is stated that the changes could result in a mixed idiom, but the dialect is likely to die because it is not passed to next generations anymore.

Keywords
code-mixing, borrowing, Beserman, Russian, Udmurt

Resumen
El artículo estudia la influencia que el ruso como lengua dominante ejerce sobre el Beserman, dialecto del udmurto. El análisis se basa en un corpus de diálogos grabados y transcritos en Shamardan (un pueblo

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This article concerns the Beserman dialect of Udmurt. Besermans is a relatively small (according to the All-Russian population census, there are 2201 people identifying themselves as Beserman) ethnic group occupying the basin of Cheptsa river and the Kirov region of the Russian Federation. Besermans consider themselves to be a nationality different from Udmurts and to speak a unique language. But in the scientific literature the Beserman idiom is considered to be a dialect of Udmurt language which is characterized by an unusual combination of specifically Beserman language phenomena (concentrated in vocabulary and phonetics) with certain traits of northern and southern Udmurt dialects (mostly morphological and phonetical) (see Teplyashina 1970, Kelmakov 1998, Ljukina 2008). More concrete, R. Idrisov (2013) demonstrates that among 110 units of words denoting basic concepts (100 of them taken from the Swadesh’s list2 and 10 from the supplemental list of Jakhontov3 there are 99 units which are common for Beserman idiom and Udmurt language. For these reasons, we treat Beserman as a dialect of Udmurt.

The question of Beserman ethnogenesis is still discussed and is far from getting any satisfactory answer. For different hypotheses see Napolskikh (1997), Teplyashina (1970),

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2 The Swadesh’s list (see Kassian, Starostin, Dybo & Chernov 2010) represents 100 most stable items of the basic vocabulary of human languages. After certain modifications, it has become a very important tool of comparative linguistics.

3 S. Yakhontov has offered a modified version of Swadesh’s list and divided it into the most stable part (35 words) and the part that is lost more quickly (65 words). A common praxis of lexicostatistical studies now is to combine the Swadesh’s list of 100 words with the following 10 cognates offered by Yakhontov: far, heavy, near, salt, short, snake, thin, wind, worm, year. For the reasons and details see Burlak & Starostin (2005: 12-13).
Nasipov (2010). But it is indisputable that the history of the ethnic group is rich in contacts with speakers of different languages from several language families. Some of these languages – primarily Tatar, Udmurt and Russian – still keep their important role in formation of the idiom in question. Here we will focus on the influence which Russian exerts on oral speech of Beserman speakers living in Shamardan (Yukamenskoye district, Udmurtia, Russian Federation).

All Beserman speakers living in Shamardan are multilingual. They speak at least Beserman dialect which they strictly separate from Udmurt literary language, Udmurt and Russian. Beserman is the means of every-day communication. Udmurt is acquired at primary school. It is used while reading school textbooks and regional newspapers and in talks with Udmurt neighbors from the same village. Russian is learned at school. It is the official language of the country, i.e. the language of all situations except every-day communication: it is used to speak with officials, teachers at secondary school, while watching TV, reading most newspapers and books etc. Being the main means of communication in most situations, Russian has a great influence on the speech of Beserman people. The easiest way to analyze this influence is to look at a corpus of texts which contains transcriptions of Beserman oral speech. To make such analysis is the main aim of this paper.

It should be noted that the problem of the influence of Russian on Udmurt has already attracted the researchers’ attention. Different aspects of it from Udmurt-Russian code-switching and code-mixing to adoption of Russian grammatical features in Udmurt have been studied. For the most recent results in this field see, for example, Solomennikova (2012), Shirobokova (2011), Kaysina (2013). However, as far as we know, the Beserman dialect has not been taken into account from this point of view yet.

We start by defining the object of our study. We investigate the influence of Russian on Beserman by analyzing the cases of code-mixing and recent lexical borrowing. The terminus “code-mixing” is used here in the same sense as in Muysken (2000) referring to cases when lexical items, grammatical (and, as we must add, phonetical) features of several languages are used in one utterance. Examples of code-switching, i.e. “the rapid succession of several languages in a single speech event” (Muysken 2000: 1), as in (1), also appear in our corpus of Beserman texts:
Such cases are beyond the scope of this article, but we would like to notice that examples of code-switching from our corpus seem not to be motivated by any external factors like change of the speech situation, of the addressee etc. So, the situation with Beserman, Russian and Udmurt, at least in Shamardan, is not that of “ideal multilinguism” (Weinreich 1963). But nevertheless the language competence of the speakers elder than 25 years old seems to be very good: they speak with each other fluently, the cases of switching to Russian are relatively rare and the length of Russian fragments of discourse normally does not exceed 1-2 sentences (at least in informal talks).

We must stress that we distinguish code-mixing from lexical borrowing. It is not a trivial task since there is a considerable amount of Beserman roots loaned from Russian. Thus, R. Idrisov (2013) shows that in the sample of 1912 non-derived Beserman roots 48% are common Permic, 14% loaned from Turkic languages, 17% loaned from Russian and 21% do not have reliable etymologies (Idrisov 2013). It is a common praxis to treat as borrowed words those which are included in normative dictionaries of the investigated idioms (for Udmurt this strategy was used in, for example, Solomennikova (2012)). But the on-line dictionary of the Beserman dialect (http://beserman.ru) is still under elaboration. So we treat as loanwords those lexical units which are phonetically and morphologically adopted. All the other cases when Russian words appear in our corpus we consider to be the cases of code-mixing. For example, the lexical unit petuk ‘rooster’ is loaned from Russian, but it was phonetically transformed according to Beserman phonetic rules, whereas petu̯ ‘rooster’ is a Russian word with Russian phonetic structure.
(Beserman system of consonants does not include the sound [x] (Idrisov 2013: 33-34)), so its appearance in a Beserman text is a case of code-mixing.

As for grammar features, we also (along with code-mixing) take into account the cases of loaning a Russian grammatical unit in order to cover a gap in Beserman system.

After defining the object of our investigation let us describe the corpus of texts we used. We shall try to show how the Russian influence is manifested in 19 texts (about 2,5 hours of oral speech) recorded and transcribed in Shamardan in January and July 2010. The texts were collected during experiments concerning conditions of the choice between local cases and postpositions for expressing spatial relations. There are three groups of texts corresponding with the tree types of experiments: 10 monologues describing the events developing in a 4-minute cartoon; 6 dialogues where the main speaker explains the second speaker how to place cards on a picture; 3 dialogues containing explanations how to move three figures through a model of the Shamardan area.

Cartoons, cards, figures, locations and roots were identical for all the speakers. The texts were recorded from 11 speakers (6 men and 5 women). Two speakers were young women between 25 and 30 years old, the rest were elder than 60. The reason is that there are only a few Besermans under 30 living in Shamardan permanently (it is a pity because young Besermans in general speak quite fluently). As for children, they do not acquire Beserman as a mother tongue being able only to understand Beserman oral speech and using some words. In the given 19 texts Russian influence can be retraced at practically all the levels of the idiom: phonetics, morphology, vocabulary, syntax, and discourse.

2. Phonetics

In Beserman there is a strong tendency to conform to the Beserman phonetic rules in speech. But nevertheless the Russian influence exists even at this level. We will illustrate it with two examples.
First, as mentioned before, in Beserman system there is no sound [x], but it may occur in Russian words used in fluent speech instead of phonetically adopted Beserman ones:

(2) Beserman Udmurt fieldnotes:

Kwin’, n’ul’, vit’-et’i-jez petux.
three four five-Ord-P.3 roosterrus

[counting the figures] Three, four, and the fifth is a rooster.

Such pronunciation of the word denoting ‘rooster’ is treated by the native speakers we have worked with as being Russian (not Beserman). In their judgment, the Beserman word for ‘rooster’ is [petuk], as in (3):

(3) Beserman Udmurt fieldnotes:

Petuk no kureg no soos män-o vič’ak šiš’kä-nä.
roosterrus and hen and they go-Prs.3Pl everybody eat-Inf

The rooster and the hens, everybody is going for eating.

Second, there is also influence in suprasegmental domain. Udmurt stress is fixed on the final syllable of the word. N. Ljukina mentions that Russian words are often loaned in Beserman with conserving of Russian stress (Ljukina 2007: 134). According to our data, there is a tendency (at least in Shamardan) to pronounce loanwords with Beserman stress. But in fluent speech some Russian words with Russian stress may occur, though not very often. Compare:

(4) Beserman Udmurt fieldnotes:

Tatän... tat’jän ik pič’i pi-len kol’aska-jez, pič’i veloš’iped-ez.
here here [correct: tatän] DM little boy-Gen1 pramrus-P.3 little bicyclerus-P.3

There is a pram of a little boy, a little bicycle here.
3. Morphology

From now on we will take into account two phenomena on each language level examined – code-mixing and borrowing.

3.1 Code-mixing

In our corpus occur the following cases of using Russian morphological tools instead of Beserman ones. Thus, instead of Beserman inchoative construction “kuč’kənə ‘to start’ + infinitive” appears the Russian construction “davaj ‘let’ + infinitive”:

(5) Beserman Udmurt fieldnotes:

<table>
<thead>
<tr>
<th>Russian</th>
<th>Beserman</th>
<th>Beserman</th>
</tr>
</thead>
<tbody>
<tr>
<td>davaj</td>
<td>až’-lan’</td>
<td>mânâ-nâ.</td>
</tr>
<tr>
<td>and</td>
<td>Inchrus</td>
<td>forward-All go-Inf</td>
</tr>
</tbody>
</table>

And they began to go forward.

Constructions with inchoative meaning also represent a very interesting type of code-mixing which appears in our corpus several times involving different morphological units. Namely, Russian means of expressing a grammatical meaning is sometimes used together with (or contaminated with) its Beserman analogue. In such cases the meaning is actually expressed two times by morphological units from different idioms. Example (6) represents this peculiar “double-marking” of inchoative meaning, examples (9) and (10) below – of optative and debitative meanings correspondingly. “Double-marking” appears to be the most common strategy of borrowing which can be found on all language levels except phonetics (more examples will be presented later).

(6) Beserman Udmurt fieldnotes:

<table>
<thead>
<tr>
<th>Russian</th>
<th>Beserman</th>
<th>Beserman</th>
</tr>
</thead>
<tbody>
<tr>
<td>l’eg’it’...l’eg’it’ pi pešt-i-z, and davaj žug’iš’kā-na kuč’k’-i-z-ə.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>young young man fall.down-Pst-3 and Inchrus fight-Inf begin-Pst-3-Pl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The young man fell down, and (they) began to fight.
There are also cases of using a Russian negation marker instead of a Beserman one:

(7) Beserman Udmurt fieldnotes:

Petuk  n’e  so.
roosterrus  Negrus  this

This is not a rooster.

This case of morphological code-mixing occurs in the corpus occasionally. The speakers strongly tend to use the Beserman marker. Example (8) belongs to the same speaker as (7), and it appeared in the same dialog:

(8) Beserman Udmurt fieldnotes:

Evə̑ ̑ ̑ ̑ ̑ ̑ ̑ eta  petux.
Neg  thisrus  roosterrus

This is not a rooster.

Next, optative can be expressed through contamination of Beserman and Russian morphological tools:

(9) Beserman Udmurt fieldnotes:

Mar  ke  otän...  aj,  olo  käž’ä  väldä...  ja  goroč’ka,  puskaj  med  lu-o-z...
that  Cond  there  DMrus  or  howDM  DM  little.hillrus  OPTrus  OPT  be-Fut-3
u-g  tod-iš’k-ä  käž’ä  vera-nä.
Neg.NPst-3  know-Prs-Sg  how  tell-inf

There is something... auch, or as it is known... well, let it be a little hill, I don’t know, how to put it.

Compare:

(9a) Russian:

Puskaj  bud’-et.
Opt  be.Fut-3Sg

Let it be.

Example with “double-marking” of debitative meaning:
(10) Beserman Udmurt fieldnotes:
I van’ tənad otän lu-o-z veloš’iped, vel’ik otän tənad dolžen lu-āno.
and is you.Gen1 there must.be-Fut-3 bicycle rus bike rus there you.Gen1 must rus must.be-Deb

And you must have in there a bicycle, you must have a bike in there.

2.2 Borrowing

There are also several cases of loaning morphological units from Russian in order to cover the gaps in Beserman system. One of them is using the Russian word davaj to form imperative of the first person which does not exist in Beserman (Teplyashina 1970: 236):

(11) Beserman Udmurt fieldnotes:
Soldat vera Ivan-lə: “Davaj mon pe təb-o kəz jəl-e aʒ'-o,
soldier rus say.Pst.3Sg Ivan-Dat Imp.1 rus I Quot climb-Fut.1Sg firtree top-III see-Fut.1Sg
mar ke u-g a aʒ'iš'kə.
that Cond Neg.NPst-3 Q be.seen

The soldier said to Ivan: “Let me climb the firtree top, maybe something is seen (from there)”.

(12) Beserman Udmurt fieldnotes:
Maša, davaj aš’mes kuč’k-o-m skal-jos dor-iš’en.
Masha Imp.1 rus Refl.1Pl start-Fut-1Pl cow-Pl neighbourhood-Egr

Masha, let us start with the cows.

The other case is the Russian word samoj which function in Beserman as superlative marker (in Beserman there is no other means to express this meaning) (Teplyashina 1970: 179):

(13) Beserman Udmurt fieldnotes:
samoj umoj
Superlat rus good

the best
This marker can be joined also to words functioning as nouns:

(14) Beserman Udmurt fieldnotes:

Veloš’iped  wan’ vāl-ān,  samo j  vāl-ān.
bicycle rus  there.is top-Loc  Superlat rus  top-Loc

_There is a bicycle above, at the top._

4. Vocabulary

4.1 Code-mixing

Such cases are relatively rare, but they do exist:

(15) Beserman Udmurt fieldnotes:

Tabere Paša  L’emskoj-an  opeť, korka š’er-a-z,  dal’n’ij  korka š’er-a-z.
then Pasha  L’emskij-Loc  again rus  house behind-Loc-P.3  distant rus  house behind-Loc-P.3

_And then, Pasha is now in Lemskij (a settlement near Shamardan) again, behind the house, behind the distant house_

(note that the Russian word _dal’n’ij_ ‘distant’ is used instead of the Beserman widespread word _k.šokedže_ ‘distant’; bold type indicates stress).

4.2 Borrowing

In our corpus of texts two cases of borrowing the vocabulary units occurred. In the first case, the new word is coming together with the new actual. With the lapse of some time, such words are phonetically and morphologically adopted:

(16) Beserman Udmurt fieldnotes:

I majeg  jāl-a-z  sāl-e  puktā-mān  č’āgān.
and stake  top-Loc-P.3Sg  stand-Prs.3Sg  put-Res  cast-iron.pot rus

_And somebody has put a cast-iron pot at the top of the stake, and now it is there_

_(in Russian the word denoting ‘cast-iron pot’ is pronounced as [chugun])._
(17) Beserman Udmurt fieldnotes:
Pios murt läkt-e traktor dor-e traktor-z-e zavod’-tä-nâ.
man human come.back-Prs.3Sg tractor rus neighbourhod-III tractor rus-P.3-Acc start.up-Tr-Inf

A man is coming back to a tractor to start it up
(compare Russian zavod’-i-t’ ‘to run up’ where -t’ is an infinitive suffix).

In the second case, the Russian word (chashja ‘a thick forest’ is a Slavic word, see Vasmer 1986-1987) replaces the Beserman one. In this case the word also can be phonetically (18) or/and morphologically (19) adopted:

(18) Beserman Udmurt fieldnotes:
Pič’i pi vel’tä-män č’ašja-je.
little boy walk-Res forest-III rus

Little boy went to the forest
(compare Russian chash’a ‘a thick forest’).

(19) Beserman Udmurt fieldnotes:
Odig-äz päd-äz gol’ik, odig-äz noski-jen.
one-P.3 leg-P.3 bare one-P.3 sock rus-Instr/Comit

One leg is bare and the other is in the sock

(the Russian word noski is a plural form of a word nosok ‘sock’; note also that there is an old Beserman word päd nôr ‘sock, socks’).

It is a productive model in Beserman to adopt the frequent plural forms of Russian nouns as words denoting one object. Here are two more examples of this kind:

(20) Beserman Udmurt fieldnotes:
piroški-os
pie-Pl

pies (The Russian word piroshk’i is a plural form and already denotes many pies.)
(21) Beserman Udmurt fieldnotes:
štan
trousers

*one pair of trousers*

(The Russian word *shtany* is *pluralia tantum*; in Beserman -\(y\) is lost in Nominative, but it still occurs as -\(i\) in the oblique stem of the noun.)

In the case of replacing a Beserman word through a Russian one also a semantic shift may occur. A good example is the word *sad*. In Russian it denotes a plot planted with trees, bushes and flowers or trees and bushes growing on such plot (Dal 1978). In Beserman this word has replaced the word *č'ešpel'* ‘bushes, small young trees’ and has acquired a meaning ‘leaf-bearing tree’ (having in this meaning also a plural form). (As far as we know, there is no Beserman word expressing the concept of a leaf-bearing tree – as there is no Beserman word denoting the coniferous tree).

Here we must say a few words about the difference among words belonging to different morphological classes with respect to the degree of adaptation. First of all, *pronouns* are never adopted. *Numerals* are adopted extremely seldom. Thus, we know only one numeral adopted from Russian - *pervoj* ‘first’. For *postpositions* we also know only one case of substitution by a Russian word. Namely, the Beserman postposition *mestaje* (*mesta*-Ill) ‘instead of’ is a loan translation of the Russian preposition *vm’esto* (*v-*mesto = in-place.Acc) ‘instead of’. *Adverbs* are adopted rarely, and their degree of phonetic adaptation is close to that of nouns which may either be adopted (consider the word *opet’* ‘again’ in (15) which in Russian is pronounced as [op’at’]; this word has completely substituted an old Beserman word *nāš* ‘again’) or not (22):

(22) Beserman Udmurt fieldnotes:
Obratno tatč’ō lākt-i-z.
backwards, here return-Pst-3

[She] returned here, backwards

(Note that there is a widespread Beserman adverb *berlan’* ‘backwards’.)
Nouns are adopted most often, and they may be phonetically or/and semantically adopted or not (see (16) and (18) above). There are also cases of grammatical adaptation of nouns, most of them concerning the number of the noun (see (19)-(21) above).

Adjectives are often adopted, and they may also demonstrate phonetic and semantic shift or not (see (15) again).

Verbs are generally adopted without semantic shift but they are very good adopted phonetically. Furthermore, Beserman demonstrates two productive models of verbal adaptation. First, some verbs are adopted through taking the verbal stem (phonetically adopted, if necessary) and attaching Beserman inflexions – sometimes even derivational suffixes – to it. The second (and much more universal) strategy is to take the infinitive of the Russian verb and to attach the inflectional forms of the Beserman verb karənə ‘to do’ to it. To use such a strategy is often the first reaction during the speech generation even if a good Beserman verbal equivalent exists. But while speaking to us Besermans often corrected themselves at once:

(23) Beserman Udmurt fieldnotes:

Soldat soje opat′ spaš’t’i kar-e, e, jurt-[e]  
soldier he.Acc again to.save do-Prs.3Sg Autocorr save-[Prs.3Sg]

n’e jurt-e, n’e spasajet, a jurt-e.  
Neg save-Prs.3Sg [not saving] but save-Prs.3Sg

The soldier again saves him...no, saves, not “spasajet” but “jurte”.

Conjunctions are adopted very actively replacing the Beserman ones. In general they are adopted neither phonetically nor functionally. Compare:

(24) Beserman Udmurt fieldnotes:

Ben, so daže n’e č’už-g’ez, a kāč’eke go[rd]... marâm...  
yes it even not yellow-Compar but some red maybe

Yes, it is even not yellow but red or the like... maybe...
Finally, during the borrowing of words the “double marking” of sense may occur. Thus, a Russian word expressing a concept may occur together with a Beserman one which has the concept in its semantic structure as a component. Compare:

(25) Beserman Udmurt fieldnotes:

Mə̑nam even’ bol’she kureg-jos-ʒ.
l.Gen1 have.no.anymore more rus hen-Pl-P.1

*I have no hens anymore.*

It is notable that the order can be reversed (in Beserman there is a very small amount of expressions where the order of constituents can be reversed most of them being onomatopoetic ones):

(26) Beserman Udmurt fieldnotes:

bol’she even’
more rus is.not.anymore

*Not anymore.*

Thus, the following hierarchy of susceptibility of different morphological classes to borrowing can be built for Beserman dialect:

conjunctions < nouns < verbs < adjectives < adverbs < postpositions < numerals < pronouns.

In the case of susceptibility to borrowing Beserman is a very typical idiom. A close hierarchy (perhaps more detailed) can be drawn from (Matras 2009: 166-208).

5. Syntax

5.1 Code-mixing

According to our corpus, Russian influence on Beserman syntax was not at all as huge as on the vocabulary. There is a large amount of Beserman constructions which in
our corpus (and according to our experience) are never replaced with Russian ones. One of them, for example, is a construction “finite verb + ṃən-participle” which has a resultative meaning (see (16)). But nevertheless there are some cases where Beserman constructions can be replaced by Russian ones. The first of them is the construction with sentential actants:

(27) Beserman Udmurt fieldnotes:

Aǯ'i-z ŝto nûl murt š'ud-e odig-ez petux-ez evâl, pič'i pi
see-Pst-3 Conj_nus girl human feed-Prs.3Sg one-P.3 rooster_rus-3P.3 not little boy
petux punna mûn-i-z biž'-ôsa.
rooster_rus for go-Pst-3 run-Conv

He saw that the girl was feeding [birds] and that one chicken was missing, and the boy ran for the chicken.

Compare:

(27a) Russian:

Uv'id'e-l-Ø ŝto d'evuška korm'-it kur-Ø.
see-Pst-M.Sg Conj girl feed-Prs.3Sg hen-Gen.Pl

He saw that a girl was feeding hens.

(27b) illustrates the common Beserman construction with the verb aǯ'i-雉 ‘to see’:

(27b) Beserman Udmurt fieldnotes:

Pi... pič'i p'i läkt-i-z gibija-m-âš' korž'inka-z-e kel't-i-z,
boy little boy come.back-Pst-3 pick.mushrooms-Nzr-El basket_rus-3Acc leave-Pst-3
aǯ'i-z-â odig-ez kureg-ez potâ-mân vol'noj.
see-Pst-3-Pl one-3 hen-P.3 come.out-Res free_rus

The little boy came back from picking mushrooms, left his basket and saw that a hen had come out, [and now it is] free.

The second construction is the comparative one:
It seems that he is biting the gosling’s tail.

There are several types of Beserman comparative constructions. The most universal of them is the construction with *kad’‘like’*:

(29) Beserman Udmurt fieldnotes:

Ben, ulla pal-a-z  kād’.  
yes lower side-Loc.P.3 like

Yes, it seems to be a bit lower.

Russian and Beserman comparative words can be used together forming a construction with “double marking”:

(29a) Beserman Udmurt fieldnotes:

So tin’ pānā pi-jen tuš’en visk-ān  kad’  kak by.  
it well dog son-Instr/Comit trough-Instr/Comit between.Obl-Loc like like_rus

Well, it seems to be between a puppy and a trough.

It should also be noted that sometimes (hardly ever) the Russian verb frame is used together with the borrowed verb itself:

(30) Beserman Udmurt fieldnotes:

Tak, fs’o, razobra-l’-iś’ kureg-jos-ān, ben a?  
well_rus that’s.all_rus deal-Pst-Pl-Reflex_rus hen-Pl-Instr/Comit yes Q

Well, that’s all, we have finished with the hens, haven’t we?

Compare:
We have finished with the hens.

The third construction is the coordinative one. The Beserman coordinative constructions with conjunction no...no ‘and’ (31) is often replaced with the Russian one with conjunction i ‘and’ (32):

(31) Beserman Udmurt fieldnotes:
Ad’ami-z-e no kut-i-z no vu pušk-ə dong-i-z.
man-P.3-Acc and catch-Pst-3 and water in.Obl-III push-Pst-3

[He] caught the man and pushed [him] into the water.

(32) Beserman Udmurt fieldnotes:
Ivan, soldat soje pād-t'i-z kāsk-e kāsk-e ĭ 3'ut-i-z vu-âš'.
Ivan soldier rus he.Acc leg-Prolat-P.3 draw-Prs.3Sg draw-Prs.3Sg and rus pull.out-Pst-3 water-El

(As for) Ivan, soldier is drawing and drawing (him) by his legs and pulled out of the water.

The Russian construction occurs much more often than the Beserman one. Besides, the “double marking” may also occur here:

(33) Beserman Udmurt fieldnotes:
L'eg'it' pi-z-e no miš'k-e ĭ jā...jārč'-t'i-z kut-ə-sa vu-e donga.
young man-P.3-Acc and wash-Prs.3Sg and rus hair-Prolat-P.3 catch-Conv water-III push-Pst.3

[He] washes the young man and after catching [him] by his hair pushes [him] into the water.
6. Discourse

6.1 Code-mixing

In use of discourse markers (DM) the general tendency of combining the Russian and the Beserman variants (“double-marking”) can be seen again:

(34) Beserman Udmurt fieldnotes:
Ja ladno, pun-i-d ke pun-i-d.
well wellrus put-Pst-2 Cond put-Pst-2

Ok, if you have put [it] than you have put [it].

Another strategy is to replace one of the components of a complex Russian DM with a Beserman equivalent of this component:

(35) Beserman Udmurt fieldnotes:
Nu ten’.
well here

Well, we’ve finished.

Beserman ten’ ‘here’ corresponds to Russian vot ‘here’, and nu ten’ in (35) is used just as Russian marker nu vot.

6.2 Borrowing

Russian DMs can be also borrowed directly:

(36) Beserman Udmurt fieldnotes:
Bur-laš’an’, otân tin’ na marâm eto... ooo, aj, bl’in... otân van’ na tânad right-Recess there here Emph that DMrus oh oh DMrus there be.Prs.3 Emph you.Gen1
eto dâdâk-jos-ôd van’ na.
DMrus pigeon-PI-P.2 be.Prs.3 Emph

Note that in a close-related Komi there is also a good amount of discourse words borrowed from Russian (Leinonen 2014).
From the right side, there is... hm, oh, oh, damn, there is you have... eee... there are pigeons
(underlined markers are adopted from Russian).

All the DMs appeared in our corpus are presented in Table 3 and Table 4 (see Appendix). In Table 3 for each DM the following information is given: a) its function in the discourse; b) its origin (Russian, Beserman, Russian-Beserman (mixed) or unknown); c) its phonetic form; d) number of occurrences in the corpus; e) number of speakers which have used it. The number of speakers and the number of occurrences decreases from the top of the table to its bottom. Note that the functions of the markers are labeled very roughly. The studying of Beserman DM is only at an initial stage, so we can in no case pretend to present a complete analysis of them. The functional labels are given there just for illustrative purposes.

Table 4 demonstrates the correspondence between Beserman markers and their supposed Russian analogues. Again, for each marker the origin (Beserman or Russian), the function, the phonetic form, number of occurrences in the corpus and number of speakers which have used it are given.

The data given in the Appendix are summarized in Table 1:

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<thead>
<tr>
<th>Origin</th>
<th>Degree of generality</th>
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<th></th>
<th></th>
<th></th>
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<tr>
<td></td>
<td>The most frequent (5-10 speakers)</td>
<td>Less frequent (2-4 speakers)</td>
<td>Rare (1 speaker)</td>
<td>All</td>
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<td>8</td>
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</tbody>
</table>

Table 1. The distribution of DM of different origin used in Beserman dialogs according to their degree of generality

Here the “degree of generality” means number of speakers who used DMs of given origin. DMs which appeared as a result of the “double-marking” strategy are labeled as “mixed”. Calques from Russian are concerned to have Russian origin.
One can see from Table 1 that the amount of DMs which are supposed to be borrowed from Russian tend to increase with the decreasing of the amount of people using it. Roughly speaking, we can say that Russian DMs tend to be individual (except nu which has practically substituted the corresponding Beserman marker ma). The amount of markers with Beserman origin, on the contrary, tend to decrease with the decreasing of the amount of speakers – roughly speaking, they tend to be more common. On the other hand, the total amount of Russian DMs significantly exceeds the total amount of Beserman ones (63 vs 35 respectively). The entire situation looks like that the influence of Russian on Beserman has significantly grown recently: different speakers have acquired different DMs which have not stabilized yet in the language praxis of the community. DMs and connectors are claimed to be the group which is borrowed more quickly than other grammatical function words (Matras 2009) and than many other common linguistic items (Leinonen 2014), so the beginning of the active borrowing of them seems to be a good criterion of a new wave of significant influence from an external idiom.

7. Conclusions

Results of the analysis presented in this paper are summarized in Table 2:

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<thead>
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<th>Type of influence</th>
<th>Language level</th>
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</thead>
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<tr>
<td></td>
<td>Phonetics</td>
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<tr>
<td>Code-mixing</td>
<td>Words with Russian phonetic structure and/or Russian stress</td>
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<tr>
<td>Borrowing</td>
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<td>Imperative of the 1st person Superlative</td>
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</tbody>
</table>

Table 2. Russian influence on Beserman Udmurt on different language levels
Observing all cases of Beserman-Russian code-mixing and of borrowing from Russian into Beserman which are presented in our corpus of texts we can see that the degree of influence is not as great as it might seem to be. A really great amount of units borrowed from Russian essentially appears only among nouns, but such loanwords tend to be phonetically, morphologically and even semantically adopted. Loanwords belonging to other parts of speech either occur seldom or are phonologically adopted. As for morphology, there are not many tools borrowed, most of them fulfilling the gaps in the Beserman system. The most frequent discourse markers in general have Beserman origin. The syntax practically has not been influenced by Russian. In the discourse of 25-30 years old speakers there are more adopted constructions and morphological borrowed units than in the discourse of 60-85 year old people, but the disparity is not very big. A possible reason is that young Besermans use their mother tongue while talking to each other and to their relatives.

The degree and peculiar properties of Russian influence on Beserman dialect lead to the suggestion that in more favorable sociolinguistic situation the result could be a mixed idiom with predominantly Russian vocabulary and Beserman basis of grammar. The loaned language units are likely not to be copied without noticeable changes, but to be adopted, even in special strategies of borrowing ("karənə `to make' + infinitive", "double marking"). Examples of mixed languages are numerous (for one of the most recent of them, Gurundji Kriol, which arose in the 1970s- 80s, see McConvell & Meakins 2005). Mixing with other idioms (or, in other terms, copying vocabulary units and grammar features of them (Johanson 2002) seems to be a normal phenomenon in a language’s life. Linguists have even started to take it into account while building family trees of languages (McMahon & McMahon 2006). But Beserman dialect unfortunately has no chance to reach this stage. It is supposed to die in recent years because people under 25 do not speak Beserman. All the grandchildren and little children of people we worked with in Shamardan do not speak Beserman. Most of them even do not understand Beserman speech. The idiom is also not taught at school. Thus, Beserman Udmurt seems to be a sad example confirming Lars Johanson’s statement that codes never die of structural changes.
of any kind, they “die because they are no longer acquired by the new generations” (Johanson 2002: 267).

References


## Appendix

### Frequency of DMs in the corpus

<table>
<thead>
<tr>
<th>function</th>
<th>Beserman / Russian</th>
<th>marker</th>
<th>corpus frequency</th>
<th>number of speakers</th>
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<td>bes</td>
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</tr>
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<td>bes</td>
<td>a</td>
<td>162</td>
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<td>nu</td>
<td>113</td>
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<td>emphasis</td>
<td>bes</td>
<td>na</td>
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<td>10</td>
</tr>
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<td>agreement</td>
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<td>ben</td>
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<td>9</td>
</tr>
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<td>emphasis</td>
<td>bes</td>
<td>uk</td>
<td>95</td>
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</tr>
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<td>rus</td>
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<td>ik</td>
<td>59</td>
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<td>declining the speaker’s responsibility for the content of the utterance</td>
<td>bes</td>
<td>mar a</td>
<td>34</td>
<td>8</td>
</tr>
<tr>
<td>perplexity</td>
<td>rus</td>
<td>eto(t)</td>
<td>21</td>
<td>8</td>
</tr>
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<td>ja</td>
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<td>7</td>
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<td>naverno</td>
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<td>autocorrection</td>
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<td>11</td>
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<tr>
<td>agreement</td>
<td>rus</td>
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</tr>
<tr>
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<td>bes</td>
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<td>18</td>
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<td>request for some time</td>
<td>rus</td>
<td>š’a(s)</td>
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<td>agreement</td>
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</tr>
<tr>
<td>hesitation</td>
<td>rus/bes</td>
<td>marâm eto(t)</td>
<td>33</td>
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<tr>
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<td>ladno</td>
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<tr>
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<td>[yet failed to be determined exactly]</td>
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<td>tože</td>
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<td>mmm, emmm</td>
<td>14</td>
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</tr>
</tbody>
</table>
Besides in our corpus of texts occur a lot of markers, which are used only by one speaker. They are:
Beserman origin: mare, tin’ n’a (tin’ na), valamon, e, anijel, todiš’kod a, šzem, maršm a, ož’a.

Russian origin: tak vet’, a, a č’o, a evšl, bl’in, e, n’et, fs’o ravno, gad, imenno, kak budto, kak raz, kon’ešno, n’et, nu puskaj, nu tin’, nu vot, podi, podoždi, pogodi, po-mojemu, primerno, razve, teper’, t’ipa, tak-to, ten’ tak, tol’ko, vern’eje, vet’ tak vet’, vidat’, vol, vrode, znač’it

Unknown origin: e, hm, m, m-m, o, t’fu, uh, uhm.
### Amounts of DMs with different functions in the corpus

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