

## Drug Interactions with Smoking

1. Levels of these drugs are also affected by age, gender, alcohol or caffeine intake, as well as other drugs the patient may take, or other diseases they may have – to a similar or greater degree than the effect of smoking
2. Drug information sources contain varying (often conflicting) reports of the effect of smoking on drug metabolism/levels. This table includes the maximum-recorded effect.
3. Most of these drugs are metabolized by a number of Cytochrome P450 enzymes, so there are minimal to moderate effects only from a single enzyme modifier.

DISCONTINUATION OF SMOKING MAY RESULT IN INCREASED PLASMA LEVELS OF:		
DRUG	SEVERITY	POSSIBLE CONSEQUENCES
<b>Antipsychotics</b>		
Amisulpride	No Effect	(Renally excreted – limited hepatic metabolism)
Chlorpromazine	Moderate	Increased risk of drug's adverse effects
Clozapine	Moderate	Increased risk of drug's adverse effects
Droperidol	Moderate	Increased risk of drug's adverse effects
Fluphenazine	Moderate	Increased risk of drug's adverse effects
Haloperidol	Moderate	Increased risk of drug's adverse effects
Olanzapine	Moderate	Increased risk of drug's adverse effects
Quetiapine	No to Minimal Effect	
Risperidone	No to Minimal Effect	
Thioridazine	Major	Risk of cardiotoxicity
<b>Benzodiazepines</b>		
Diazepam	Moderate	Increased sedation
Other benzodiazepines	No Effect to Moderate	Increased sedation – varying reports of effects
<b>Anticonvulsants</b>		
Carbamazepine	No to Minimal Effect	Variable – may increase or decrease levels
Phenytoin	Moderate	Varying reports of effects
Valproate	Moderate	Varying reports of effects
<b>Tricyclic Antidepressants</b>		
Amitriptyline	Moderate (variable)	
Clomipramine	Moderate	
Imipramine	Moderate	
Other TCA's	No to Moderate Effect	
<b>SSRI's</b>		
Fluvoxamine	Moderate	
Other SSRI's	No to Moderate Effect	

<b>Opioids</b>		
Methadone	Moderate	Sedation & respiratory depression
<b>Other</b>		
Caffeine	Moderate	Increased risk of side effects (tremor, nausea)
Digoxin	Moderate	Increased risk of digoxin's adverse effects
Diltiazem	Minor to Moderate	Increased risk of adverse effects
Local Anaesthetics	Minor to Moderate	Increased risk of adverse effects
Mexiletine	Minor to Moderate	Increased risk of adverse effects
Neuromuscular Blocking Drugs	None to moderate	
Oral Contraceptives	Minor to Moderate	Increased risk of adverse effects
Propranolol & Metoprolol	Moderate	Bradycardia & hypotension
Quinidine	Minor to Moderate	Increased risk of adverse effects
Theophylline	Moderate to Major	Risk of theophylline toxicity
Warfarin	Moderate	Increased INR – risk of bleeding