

PAV has been a partner to the German health industry for many decades. Our portfolio ranges from production of the electronic health card (eGK) for health insurance funds to customised prescription forms for physicians in private practice in Germany.

Around 90 per cent of the population in Germany is insured by the statutory health insurance system. They are entitled to health care services to maintain or restore their health, or to improve their state of health. In order that health insurance funds can concentrate on their core activities, we produce the electronic health card, for example, on behalf of such funds and take care of the daily post.

### **The electronic health card from PAV**



As a renowned producer of the health insurance card, PAV has also been commissioned by numerous health insurance funds to produce the electronic health card. The card's innovative technology helps to improve communication between physicians, dentists, pharmacies, hospitals and health insurance funds.

One of the main features of the electronic health card is a photo of the insured person, which stops card abuse from the outset. We obtain the photos beforehand by letter, Internet upload or MMS. The heart is an image management system specially developed by PAV and which reflects our extensive experience in image processing technology.

PAV also personalises and encodes the cards. The electronic health card stores the insured persons data, such as name, date of birth, gender, address, insurance number, status, etc.

The cards are sent to the respective holders through our lettershop. To ensure that all the cards reach the right recipients, each chip is read out in our high-security zone before being enveloped, and compared with the assigned address.

## Our services

- Implantation of the microprocessor chip
- Image management via Internet upload, letter and MMS
- Personalisation and encoding of cards
- Mailing of cards and reminders to members of health insurance funds.

There is growing demand for cards that provide complex solutions and higher levels of security in the German health insurance system. Microprocessor cards with large storage capacities are particularly suitable in that regard.

## Blood donor ID card becomes a smartcard



One example is the new blood donor card issued by the German Red Cross. The regional ID cards previously used have been replaced step by step since 2012 by a smartcard with an integrated RFID chip and a microprocessor.

The blood donor services commissioned PAV to produce the new blood donor cards, which also includes personalising and encoding the cards. In addition to the blood group, only the holder's surname, first name and date of birth are stored on the chip. This modern system now allows blood to be donated anywhere in

Germany.

Cryptographic chip protocols ensure that the data are kept secure. A file system allows different applications to be configured freely and strictly separately from each other in respect of size, access rights management, security levels and password management. The data are transmitted in accordance with the DIN ISO EN 14443 standard.

The electronic blood donor cards are produced in our high-security zone, which meets the very toughest security requirements.

The cards are sent by post through our lettershop. To ensure that all the cards reach the right recipients, each card is read out in our high-security zone before being enveloped, and compared with the assigned address.

## **Our services**

- Production of card inlays
- Personalisation and encoding of cards
- MIFARE DESFire® EV1
- Card mailing

- Health insurance funds
- Non-Commercial

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(function($) { $(document).ready(function() { var container = $('[data-t4c_tabs="" + 2974 + "']');  
container.find('.resp-tabs-list').prependTo(container); container.easyResponsiveTabs({ type: 'default',  
width: 'auto', fit: false, }); }); })(jQuery);
```